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OPEN

Metagenomic insights of the infant microbiome community structure and function across multiple sites in the United States

Giorgio Casaburi¹✉, Rebecca M. Duar¹, Heather Brown¹, Ryan D. Mitchell¹, Sufyan Kazi¹, Stephanie Chew¹, Orla Cagney¹, Robin L. Flannery¹, Karl G. Sylvester², Steven A. Frese^{1,3,4}, Bethany M. Henrick^{1,3} & Samara L. Freeman¹

The gut microbiome plays an important role in early life, protecting newborns from enteric pathogens, promoting immune system development and providing key functions to the infant host. Currently, there are limited data to broadly assess the status of the US healthy infant gut microbiome. To address this gap, we performed a multi-state metagenomic survey and found high levels of bacteria associated with enteric inflammation (e.g. *Escherichia*, *Klebsiella*), antibiotic resistance genes, and signatures of dysbiosis, independent of location, age, and diet. *Bifidobacterium* were less abundant than generally expected and the species identified, including *B. breve*, *B. longum* and *B. bifidum*, had limited genetic capacity to metabolize human milk oligosaccharides (HMOs), while *B. infantis* strains with a complete capacity for HMOs utilization were found to be exceptionally rare. Considering microbiome composition and functional capacity, this survey revealed a previously unappreciated dysbiosis that is widespread in the contemporary US infant gut microbiome.

The neonatal period represents a unique stage of life when critical foundations of lifelong health are established^{1,2}. Throughout this period, the gut microbiome can provide protection against enteric infections and is crucial for the proper development of the immune system^{3,4}. In infants, it is well established that gut microbiome perturbations characterized by the overrepresentation of potentially pathogenic taxa are implicated in mediating persistent pathophysiological and immune abnormalities, including heightened risk for immunological disorders later in life and acute chronic inflammation^{3,5-7}. These gut microbial perturbations, conceptually referred to as dysbiosis, are strongly associated with the absence of infant-associated *Bifidobacterium* that encode key functions required for the metabolization of human milk oligosaccharides (HMOs) in the infant⁸.

Disruptions to the optimum infant intestinal microbiome are thought to result from changes to the infant's diet, antibiotic exposure, and cesarean section delivery, as well as other interventions or exposures that might alter the transmission of microbes from mother to infant or the communities themselves⁹⁻¹². However, there is mounting evidence suggesting that disparities between microbiome compositions observed today in different human populations may also echo historical changes including migrations¹³, historical infant feeding practices¹⁴, or the sum of all changes associated with modern lifestyles¹⁵. Despite the importance of the microbiome for infant health, nutrition, and development, most reports on the infant gut microbiome in developed countries have described communities in preterm infants^{16,17}, and only few studies have utilized metagenomics to characterize microbiome function at distinct sites from large cohorts of infants^{18,19}. Recent metagenomic surveys focused on genetically similar, but socioeconomically distinct populations in three European countries identifying microbiome compositions in early life with clear implications for long term health and development regarding the development of autoimmune diseases including Type 1 Diabetes¹⁹. Other studies have identified health status-specific differences among infants in low-income countries that later impacted vaccine responses, further signaling the important role that the microbiome in early life plays in immune development^{20,21}. Similarly, recent large-scale studies have identified parallel differences in the microbiomes among infants even within high-income countries in Europe, which were associated with the development of autoimmune diseases such

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as asthma²². Mechanistic support for the critical role *Bifidobacterium* play in early life immune development has also been recently described²³. Thus, it appears increasingly important to describe population-level norms among otherwise healthy infants within and across countries, especially large, ethnically, and socioeconomically diverse countries such as the United States.

In order to begin to address this need for population level surveys of the healthy infant gut microbiome in the United States, fecal samples from 227 infants (0–6 months of age) were collected from pediatric research sites located in five states, representing a cross-section of infants from across the United States. Stool samples underwent shotgun metagenomics sequencing. Specifically, we applied shotgun metagenomics to characterize: (1) gut bacterial communities of healthy US infants in the first 6 months of life; (2) ecosystem functions by determining the metabolic potential of gut microbiomes in different enterotypes to metabolize human milk oligosaccharides (HMOs) from breast milk; and (3) the carriage of antibiotic resistant genes (ARGs) in infants across different US states. The above criteria were then used to classify microbiomes as dysbiotic or not, based on the concept of ecosystem services²⁴ adapted to evaluate the benefits infants receive from functions provided by their gut microbiomes⁸.

Overall, this survey revealed that, on average, infants in the US have a low abundance of *Bifidobacterium*, a high abundance of potentially pathogenic bacteria carrying high levels of ARGs, as well as limited capacity of metabolizing HMOs from breast milk. These findings were widespread in infants in the US, independent of location, age, and diet. This survey offers a new perspective when considering infants in the context of a healthy microbiome and the acute and long-term consequences it implies.

Results

Infant gut microbiome compositions vary independently of age, diet and location. Our cohort of 227 samples (one sample per subject) from 7 research sites in 5 states (California, Georgia, Oregon, Pennsylvania, South Carolina), was assessed for microbiome composition and function via shotgun metagenomic sequencing. Demographic data for every subject is reported in Supplementary Table 1. After quality filtering, Illumina sequencing led to an average of 28 million PE reads per sample (\pm SD 6.4 million), of which 4.6% (\pm SD 12%) per sample on average were discarded as human reads. High-quality, human-filtered reads were subjected to taxonomic and functional profiling (see “Methods”). A total of 367 classified bacterial species belonging to 119 genera, 53 families, 25 orders, 15 classes, and 7 phyla were identified across the samples (Supplementary Table 2). Potential pathogenic bacteria were present among the top ten bacterial families, which combined accounted for 93% of the infant’s microbiome. The most abundant on average were *Enterobacteriaceae* (35%), *Streptococcaceae* (5.6%), *Clostridiaceae* (3.6%), and *Staphylococcaceae* (1.23%) (Fig. 1A). The bacterial family of *Bifidobacteriaceae* was low on average in infants from all five states (19.9%) with the lowest abundance in infants from Georgia (12%) and the highest (37%) in Pennsylvania. When considering only samples collected within the first 100 days of life (0–3 months), a critical window of time for immune system development²⁵, we did not see a difference by state in terms of bacterial families composing the microbiome, with a composition that appears to be independent of location²⁵ (Supplementary Fig. 1). Splitting the data by both age (0–3 vs. 4–6 months) and diet (exclusively breast or formula fed and mixed), revealed that the 0–3 months samples had a higher individual variation in bacterial family composition compared to the 4–6 months samples, probably due to the natural acquisition of bifidobacteria (Fig. 1B).

Furthermore, we performed a microbiome multivariable association analysis with linear models, using MaAsLin2 (see “Methods”), by including all the clinical variables available in this study to test for microbiome differences at the family level according to metadata. Interestingly, while we did find significant taxa associated with few metadata variables, most of the bacterial families reported, were very low in relative abundance overall (< 2%) and thus we do not believe that their biological impact is of a major concern or clinical interest. However, two top families, namely *Bifidobacteriaceae* (19.9%) and *Bacteroidaceae* (10.4%) were all significantly associated with age but not with any other variable (Supplementary Table 6), confirming again the natural acquisition of these families from the environment as the infants grow older.

At the species level, we identified known potentially pathogenic species of particular relevance, especially as it pertains to the neonatal population, accounting for 26% of the microbiome on average in all samples (Supplementary Table 2). In order of abundance we identified, *Escherichia coli* (12.6%) the most abundant among all species overall, *Klebsiella pneumoniae* (7%), *Klebsiella oxytoca* (2.5%), *Enterobacter cloacae* (2.7%), *Clostridium perfringens* (1.1%), *Clostridium difficile* (0.1%), *Staphylococcus aureus* (0.03%) and *Streptococcus agalactiae* (0.01%). We also identified a taxon classified as *Escherichia* (5%) for which the species level assignment was not classified.

Bifidobacteria levels are low on average in the US independent of diet. As bifidobacteria are considered a fundamental component of a healthy infant gut microbiome, we performed targeted genus-, species- and strain-level metagenomic analysis using unique clade-specific marker genes (see “Methods”). Overall, the average abundance of *Bifidobacterium* was 20%. When accounting for diet, within the first 100 days of life (0–3 months) or later (4–6 months), there were no significant differences in the abundance of *Bifidobacterium*, independent of whether the infants were exclusively fed breast milk, formula or were fed a mixed diet of breast milk and formula (Fig. 2A). However, breastfed infants in the 4–6 months age group, had a higher abundance of *Bifidobacterium* (75% of the microbiome on average), though not significantly different ($P > 0.05$) amongst feeding types, likely due to high individual variation from the formula fed infants in that age group, which had an average abundance of *Bifidobacterium* below 25%. At the species level, we identified 10 *Bifidobacterium* species, with the most abundant being *Bifidobacterium longum* (8.5%), *Bifidobacterium breve* (5.8%), and *Bifidobacterium bifidum* (3.75%) (Fig. 2B). All three species were significantly lower in the 0–3 months age group compared

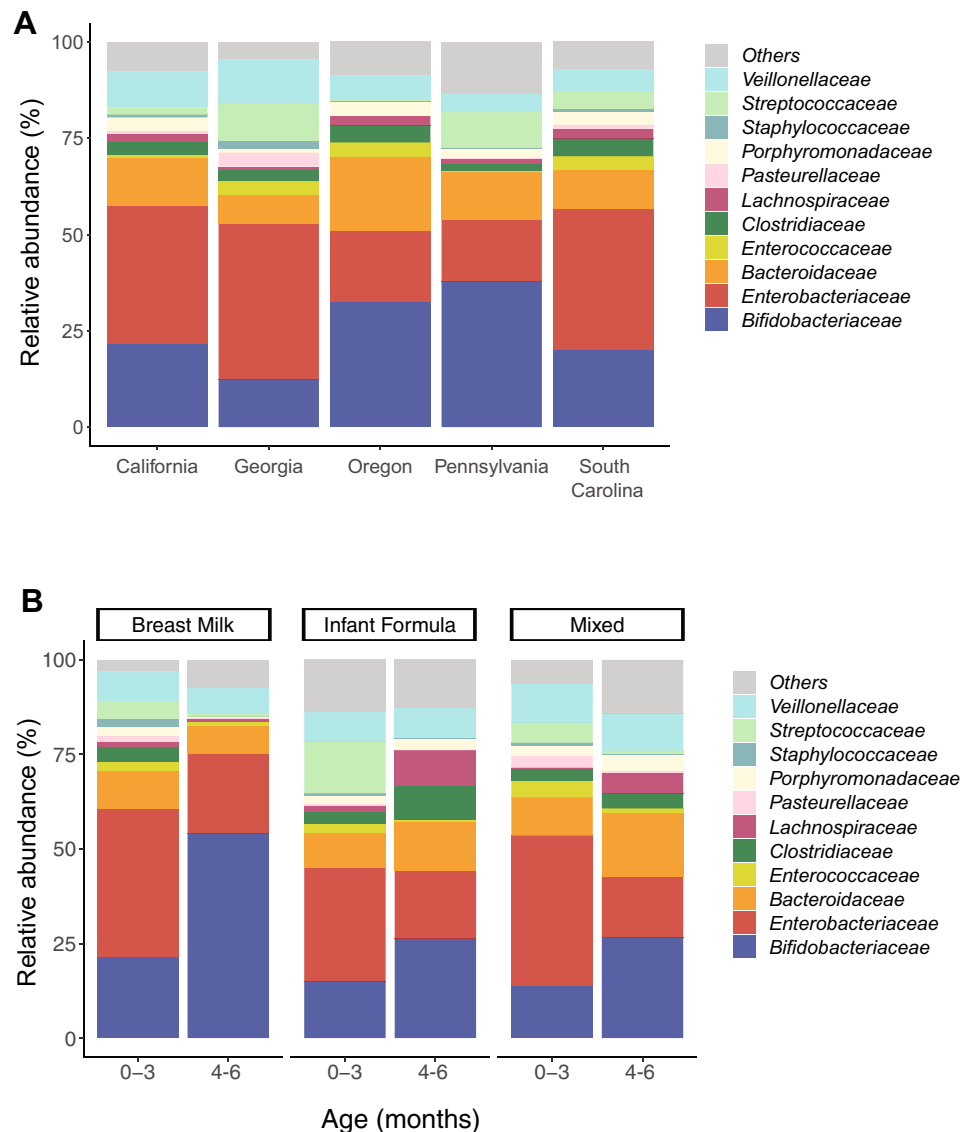


Figure 1. Relative abundance of bacterial families by location, diet and age. **(A)** Relative abundance (%) of top bacterial families identified in infants 0–6 months of age across five US states. **(B)** Relative abundance (%) of top bacterial families identified and grouped by age and diet.

to the older infants (4–6 months) and had a greater degree of intra-group variability with samples ranging from 0% to more than 90% of relative abundance of *B. breve*, *B. longum*, or *B. bifidum*.

***B. infantis*, a key infant gut symbiont, is missing in 90% of infants.** We assessed the bifidobacteria composition at the strain level by investigating the presence of genes specifically involved in the consumption of human milk oligosaccharides (HMOs)^{26,27}. We performed a nucleotide-level analysis of six gene clusters previously identified to be relatively unique to the genome of *Bifidobacterium longum* subsp. *infantis* (*B. infantis*)²⁷. Notably, the 43 kb H1 gene cluster that encodes glycosyl hydrolases active on four key HMO glycosidic linkages, has so far only been identified in *B. infantis*²⁶ and is broadly conserved among the subspecies^{8,28} while other HMO-related gene loci are less conserved and found among different bacteria beyond bifidobacteria²⁷. To account for genomic variation within the subspecies, we used the detection of at least 90% of the genes in these six genomic loci (H1, H2, H3, H4, H5, and a urease gene cluster) to detect *B. infantis* among infant samples by metagenomic sequencing. Using this criterion, we detected *B. infantis* in only 10% (23 samples) of all 227 samples. However, of these samples, only 3% (6 samples) had a relative abundance of *B. longum* species (inclusive of *B. infantis*) greater than 40%, which collectively represented a mean abundance of 65.10% (\pm SD 19.74%). Among the remaining 17 samples (7% of samples) where *B. infantis* was detected, the overall *B. longum* species only achieved a mean relative abundance of 7.38% (\pm SD 6.95%).

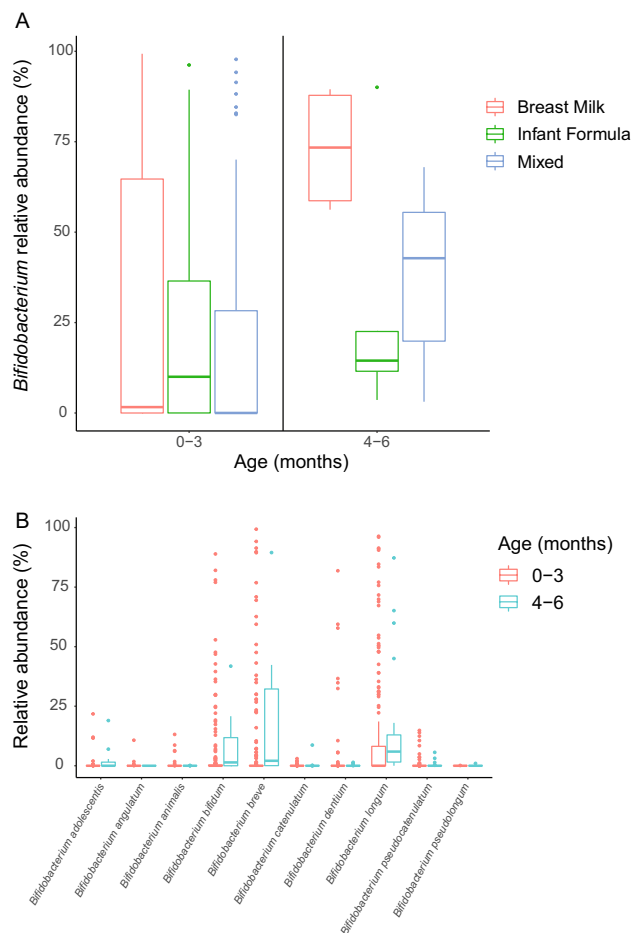


Figure 2. Relative abundance of *Bifidobacterium* at the genus and species level. (A) *Bifidobacterium* relative abundance (%) grouped by age and diet. (B) Relative abundance (%) of all species identified within the *Bifidobacterium* genus and grouped by patient age. The lower and upper hinges of the box plots correspond to the first and third quartiles (the 25th and 75th percentiles), while internal hinge is the 50th percentile (median). Data beyond the end of the whiskers are "outlying" points and are plotted individually.

To confirm our findings, we also applied a subspecies-specific qPCR assay (see "Methods") to detect *B. infantis* among these samples. Using qPCR, we detected *B. infantis* in 11% of samples ($n = 24$), in strong agreement with our metagenomic detection approach (Supplementary Table 1). One sample not detected by our metagenomics approach, but positive by qPCR, demonstrated a low relative abundance of *B. longum* species (%) and was missing more than 33% and 42% of the genes in the H1 and urease gene clusters, respectively.

Thus, we used the detection of the H1 gene cluster as a proxy to determine the presence of *B. infantis* in the gut microbiome. All the genes belonging to the H1-cluster were detected in only 7 out of the 227 microbiome samples analyzed, meaning 97% of infants were likely missing *B. infantis*. Additionally, all 220 infants with incomplete or missing genes in the H1-cluster were also lacking crucial genes from other H-clusters non uniquely found in *B. infantis*, which are also involved in the capture, transport and metabolism of HMOs²⁷ (Fig. 3). Furthermore, a comparison of the relative abundance of the genus *Bifidobacterium* on a per sample basis against the presence of the H-clusters showed that even with high abundance of *Bifidobacterium* (>90%) in some of the infant microbiomes, key HMO genes were largely undetected (Fig. 3). This suggests that even when high levels of *B. breve*, *B. longum*, or *B. bifidum* are found in infants, it does not translate into a complete functional capacity of HMO utilization. Together, these analyses revealed that genes crucial to the utilization of HMOs, and therefore the main species that encodes them (i.e., *B. infantis*), are largely absent from the microbiome of infants in the US, independent of age, location, and diet (Fig. 3).

Antibiotic resistance in the US infant microbiome. Analysis of the total load of antibiotic resistance genes (ARGs) in the infants' microbiomes across the US (i.e., the resistome), revealed a high abundance of ARGs in all five states analyzed in this survey, with a total of 325 unique ARGs identified from the CARD database (Supplementary Table 3). Particularly, South Carolina, California and Georgia had the highest abundance of ARGs (0.10%/0.014%/0.013%, average ARGs relative abundance compared to overall microbiome), followed by Pennsylvania (0.01%) and Oregon (0.006%) (Fig. 4A). No significant differences were observed by state in terms of overall ARG % microbiome composition. A total of 155 ARGs were common to the five states and despite

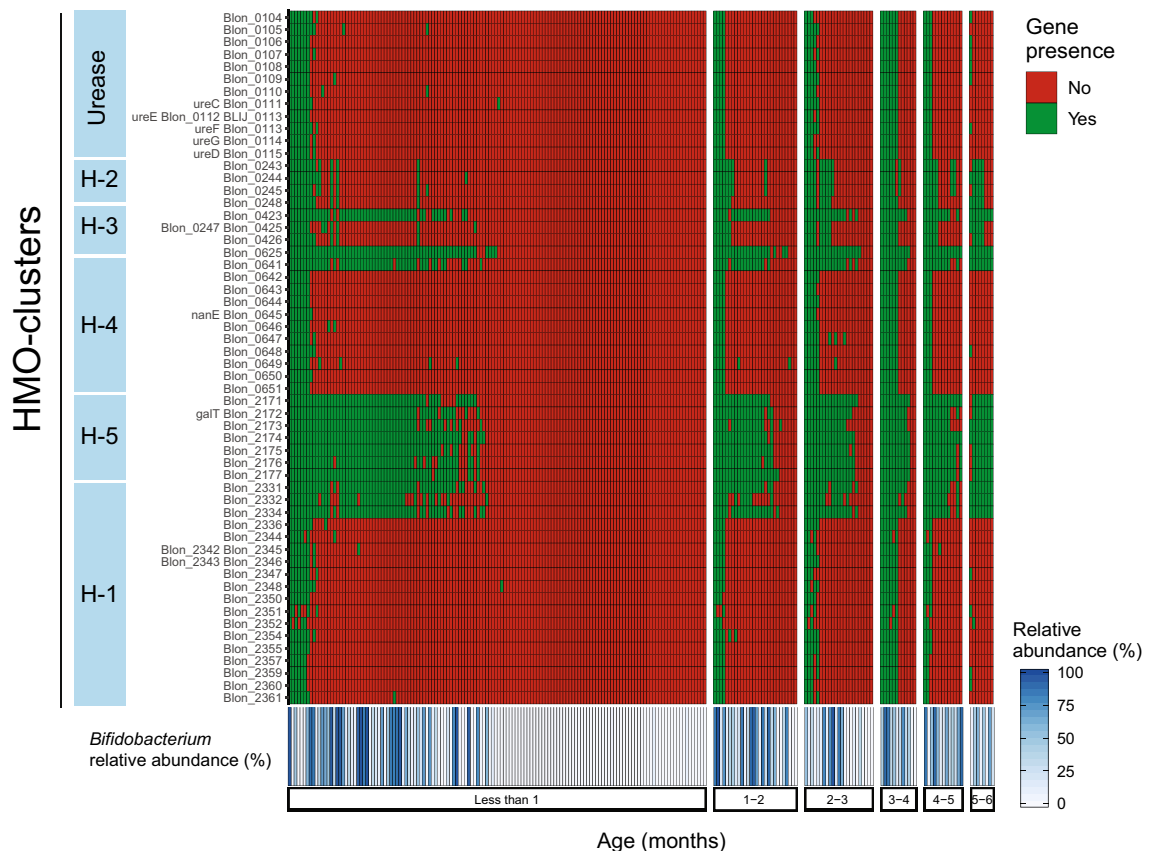


Figure 3. Functional HMO-cluster gene profiling by samples. (A) Heatmap showing presence/absence of the 56 HMO-cluster genes in all samples in the survey. Every column represents an individual sample and ordered by age block. Within a age block samples are ordered by decreasing presence of genes from left to right. Bottom of heatmap shows relative abundance (%) of *Bifidobacterium* by corresponding individual samples.

the total abundance levels, more unique ARGs were identified in California ($n=20$) (Fig. 4B). After accounting for sequencing depth, we confirmed that both the type and load of ARGs identified were not related to the number of sequences per sample grouped by state (Oregon = 32.5 M; Georgia = 28.9 M; California = 28.1 M; Pennsylvania = 27.5 M; South Carolina = 26.2 M), but rather possibly related to the number of individual patient samples collected (Fig. 4B). However, there appears to be a virtual plateau in ARG diversity assessed in this study considering that California had the highest diversity with almost half the patient samples compared to Georgia. A complete list of the identified ARGs by state is reported in Supplementary Table 4. Interestingly, the 20 unique ARGs found in California in this study have been also previously found in another cohort of 60 healthy, exclusively breastfed infants lacking *B. infantis* at day 21 of life²⁹. Amongst the core ARGs found in every state, the most abundant on average were “ARO_3003369” (*Escherichia coli* EF-Tu mutants conferring resistance to Pulvomycin); followed by “ARO:3003317” (*Salmonella serovars* parE conferring resistance to fluoroquinolones); and “ARO:3003890” (*Escherichia coli* UhpT with mutation conferring resistance to fosfomycin). When considering age, there was a higher load of ARGs in the microbiome of infants between 0 and 3 months, though due to the high degree of intra-individual variation, not significantly different from the 4–6 months age window ($P>0.05$) (Supplementary Fig. 2). We analyzed the ARG abundance on both the gene type and antimicrobial class levels using principal coordinate analyses (PCoA). With regard to the sample resistome dissimilarities at both genes and drug class levels, there was no clear separation when considering all the metadata collected, though geography and age were significant, but these factors had a very low effect size (adonis) on the overall resistome (Supplementary Table 5). Collapsing the ARGs into their respective drug class and by state, we found that on average 54% of the resistome was associated with genes conferring multi drug resistance, followed by fosfomycin, elfamycin and fluoroquinolone antibiotics resistance (Supplementary Fig. 3).

Enterotypes of the US infant gut microbiome and functional analysis of HMO-metabolism potential.

Three enterotype clusters were identified; 99 subjects were assigned to *Bifidobacteriaceae*, 81 to *Enterobacteriaceae*, and 47 to *Bacteroidaceae* enterotype (Fig. 5A). Other bacterial taxa identified contributed less significantly to each enterotype cluster compared to the three main bacterial families highlighted (Fig. 5B). Relative abundances of the three bacterial taxa that are principally responsible for the separation of samples confirmed expected predominance of *Bifidobacteriaceae*, *Enterobacteriaceae* and *Bacteroidaceae*, respectively (Supplementary Fig. 4). We confirmed the enterotype classification results using other well-known clustering approaches, including principal component analysis (PAM) as well as Bray–Curtis, which are commonly used to

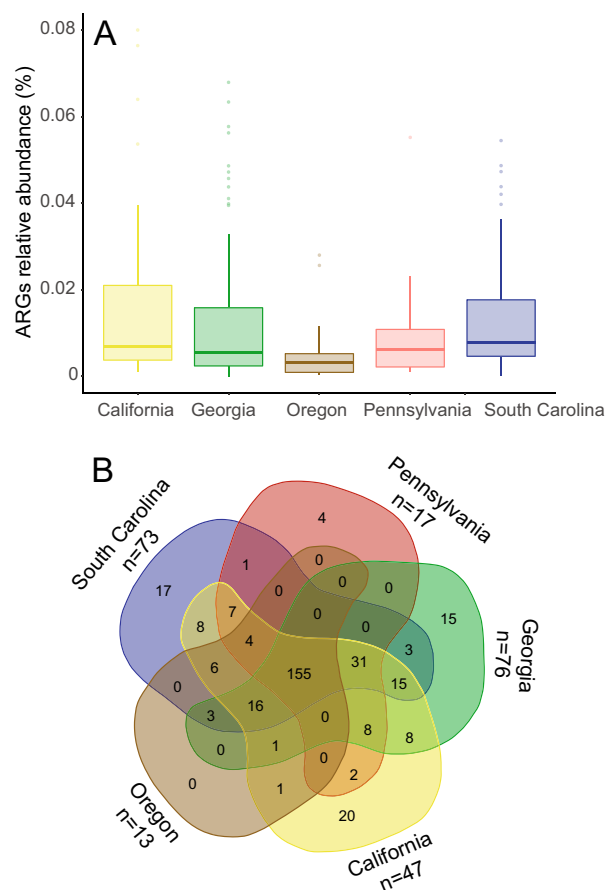


Figure 4. Antibiotic resistance genes characterization by state. **(A)** Relative abundance (%) of antibiotic resistance genes (ARGs) compared to overall microbiome composition identified by state. **(B)** Venn diagram showing shared ARG types by state. 155 ARGs types were core to all states (center of diagram), with unique ARG types identified in single state reported at the edge of the diagram. *N*'s represent number of patient samples by state.

compare microbiome compositions across a given variable; here, our enterotype cluster assignments. We used the permutational multivariate analysis of variance (adonis) to test whether the clustering by our Enterotype classification was supported. The PAM clustering reported a $P=0.001$; $R^2=0.17$, while Bray–Curtis reported a $P=0.001$; $R^2=0.32$, confirming that the Enterotypes are indeed different in terms of the composition and represent distinct compositional states. Furthermore, absolute abundances as measured via quantitative PCR targeting the *Bifidobacterium* genus, also confirmed a significantly higher abundance of *Bifidobacterium* within the *Bifidobacteriaceae*-driven enterotype compared to the *Enterobacteriaceae* ($P<0.0001$, Holm-adjusted Dunn's) or *Bacteroidaceae* ($P<0.0001$, Holm-adjusted Dunn's). Subjects in each enterotype did not significantly differ according to diet, location, or sex. However, when considering age, there was a significant difference between the *Bifidobacteriaceae* and *Enterobacteriaceae* enterotypes ($P<0.0001$, Bonferroni).

Analysis of the resistome composition measured by the total amount of ARGs identified amongst enterotypes, showed a significant difference in reductions of the total abundance of ARGs in the samples clustering within the *Bifidobacteriaceae* enterotype compared to *Enterobacteriaceae* ($P=0.0004$; Bonferroni) and *Bacteroidaceae* ($P=0.006$; Bonferroni) enterotypes. No significant differences in the abundance of ARGs were observed between the *Enterobacteriaceae* and *Bacteroidaceae* enterotypes ($P=0.3$; Bonferroni).

To determine if the enterotype classification was related to the HMO-metabolism potential in the microbiomes at the functional level, we determined the abundance of ortholog genes (KOs) involved in the uptake, degradation and metabolism of HMO in each of the enterotypes. We found that, on average, microbiomes belonging to the *Bifidobacteriaceae* enterotype had a significantly increased capacity for utilization of HMO (119 CPM, mean) compared to the *Bacteroidaceae* (43 CPM, mean; $P<0.0001$; Holm-adjusted Dunn's) and *Enterobacteriaceae* enterotypes (47 CPM, mean; $P<0.0001$; Holm-adjusted Dunn's) enterotypes. The HMO-metabolism potential was also significantly different between *Bacteroidaceae* and *Enterobacteriaceae* enterotypes ($P=0.04$; Holm-adjusted Dunn's). When grouping KOs by function, on average, those related to the uptake and degradation of sialylated HMOs were significantly more abundant in the *Bifidobacteriaceae* (69.7 CMP, mean) and the *Bacteroidaceae* (51.4 CMP, mean) enterotype compared to the *Enterobacteriaceae* (1.23 CMP, mean) enterotypes ($P<0.0001$ and $P<0.0001$, respectively), but not significantly different between the *Bifidobacteriaceae* and *Bacteroidaceae*

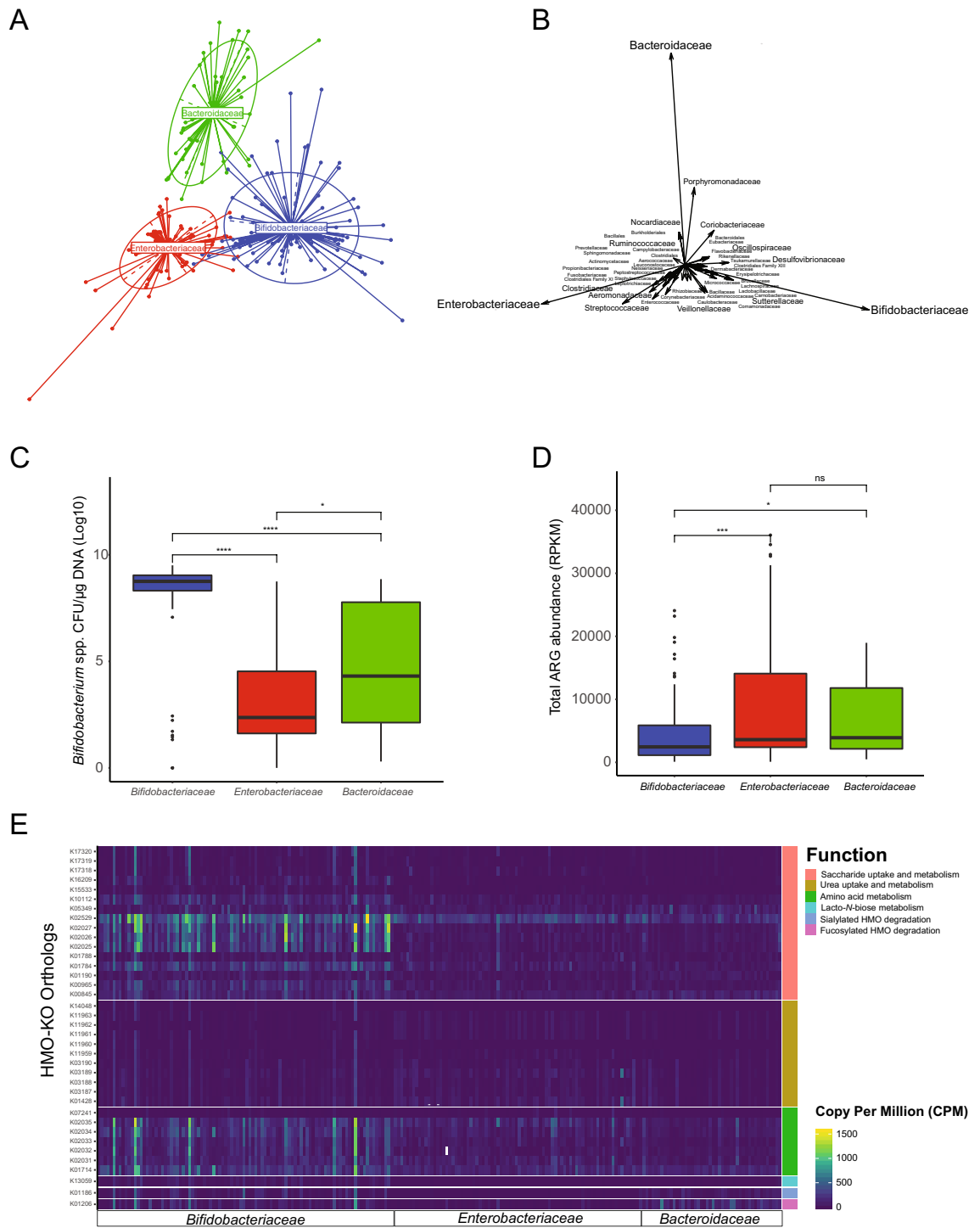


Figure 5. Enterotype grouping, *Bifidobacterium* abundance and functional gene annotation. **(A)** Enterotype analysis of samples at the family level. Samples clustered in three different enterotypes reported by different colors. In the center of the cluster is shown the main bacterial family responsible for the enterotype formation. **(B)** Bacterial families driving enterotype formation. Longer arrows indicate a stronger contribution. **(C)** Quantification of total *Bifidobacterium* spp. by enterotype. **(D)** Abundance of ARGs in all samples grouped by enterotype. **(E)** Heatmap showing relative abundance and functional annotation of KEGG orthologous genes related to HMO-utilization across enterotypes.

enterotypes ($P=0.32$; Wilcoxon-FDR). Functions related to lacto-*N*-biose metabolism were significantly different in all three enterotypes with the *Bifidobacteriaceae* enterotype encoding the most functions (50.3 CMP, mean) and the *Enterobacteriaceae* enterotype encoding the least (0.62 CMP, mean). The ability to degrade fucosylated

HMO was also differentially significant between enterotypes but was higher in the *Bacteroidaceae* enterotypes (159.9 CMP, mean), followed by the *Bifidobacteriaceae* (97.7 CMP, mean) and the *Enterobacteriaceae* (13.8 CMP, mean). Orthologous genes encoding functions related to the transport and catabolism of mono and polysaccharides were not significantly different between the *Bacteroidaceae* (49.5 CPM, mean) and *Enterobacteriaceae* (52.0 CPM, mean) enterotypes ($P=0.48$; Wilcoxon-FDR), but were significantly higher in the *Bifidobacteriaceae* enterotype (162 CPM, mean) compared to the *Bacteroidaceae* ($P<0.0001$; Wilcoxon-FDR) and the *Enterobacteriaceae* ($P<0.0001$; Wilcoxon-FDR) enterotypes. Urea-related KOs were not statistically different between *Bifidobacteriaceae* (26.1 CPM, mean) and *Enterobacteriaceae* (28.6 CPM, mean) enterotypes ($P=0.84$; Wilcoxon-FDR), but were significantly lower in the *Bacteroidaceae* (13.5 CPM, mean) compared to the *Bifidobacteriaceae* ($P<0.0001$; Wilcoxon-FDR) and the *Enterobacteriaceae* ($P<0.0001$; Wilcoxon-FDR) enterotypes (Fig. 5). Finally, we determined the number of samples that had a complete set of HMO-utilization orthologous genes. We found that only 16 out of 227 had the complete set of these KO functions. Amongst them, more than half ($n=9$) were classified in the *Bifidobacteriaceae* enterotype, while 5 were in *Bacteroidaceae* and 2 in the *Enterobacteriaceae* enterotype. By location, 5 infants were in California, 4 in Oregon, and 7 in South Carolina. By age, 5 infants were in the 4–6-month age block and the rest were 3 months or less. Individual family microbiome composition of the top bacterial families ($\geq 1\%$ relative abundance, on average), and sorted by enterotype classification, is also reported in Supplementary Fig. 5.

Discussion

In the past few years, reliable evidence has emerged on the status of the US infant gut microbiome showing a general trend toward dysbiosis and associated negative acute- and long-term health consequences^{23,30–32}. However, to date, researchers have derived conclusions mainly from single-site microbiome studies, which are often limited to a geographical area where samples were collected, or small association studies that carry inherent limits in terms of reproducibility of methodologies from sample collection to analysis. Furthermore, most infant microbiome studies in the US have focused on preterm infants, who are a very distinct population, experiencing epithelial gut immaturity and with a high degree of microbiome instability and a more severe dysbiosis compared to what is observed in term infants^{31,33}.

Here, we aimed to broadly sample infants in the US across multiple geographies, in order to establish an understanding of the current status of the infant gut microbiome. Even though only five states were analyzed, our results suggest strong similarities across the research site regions, which appears to be independent of location, age and feeding modality (Fig. 1). Predominantly, 10 bacterial families accounted for 93% of the overall microbiome, while 40 families accounted for the remaining 7% on average. Amongst the 10 most abundant families, the majority were composed of potentially pathogenic species. Of the most abundant, the highest overall was *E. coli* (12.6% mean abundance), followed by *Klebsiella pneumoniae* (7% mean abundance). While the pathogenicity of these taxa is not universal^{34,35}, in infants, the overrepresentation of γ -Proteobacteria, which includes the genera *Escherichia* and *Klebsiella*, are implicated in mediating pro-inflammatory responses associated with negative pediatric health outcomes^{23,36,37}.

Several other bacterial species implicated with negative pediatric health outcomes, including sepsis and necrotizing enterocolitis (NEC) were identified^{38,39}. For example, we detected relatively high levels of *Klebsiella oxytoca* (2.5% mean abundance) and *Enterobacter cloacae* (2.7% mean abundance), both well described species related to NEC and *Streptococcus agalactiae* (Group B Strep; 0.01% mean abundance), which remains the primary cause of neonatal sepsis^{40,41}. Infant microbiomes from across the US, irrespective of location, diet, or age could be classified into three distinct enterotypes, driven by abundances of *Bifidobacteriaceae* (43.6% mean abundance, $n=99$), *Enterobacteriaceae* (35.7% mean abundance, $n=81$), or *Bacteroidaceae* (20.7% mean abundance, $n=47$). Infants classified as *Enterobacteriaceae* enterotype were typified by the highest relative abundance of *Enterobacteriaceae*, and the highest abundance of antibiotic resistance genes (ARGs) (Fig. 5D). We detected a high amount of ARGs in a small number of species, with more than half of the genes associated with multi-drug resistance (Supplementary Fig. 3). Infants classified within the *Bifidobacteriaceae* enterotype had a lower abundance of pathogenic bacteria and ARGs compared to the infants in the other two enterotypes. These results are in accordance with previous reports showing microbiomes rich in *Bifidobacterium* carry fewer ARGs^{29,42} and have a lower abundance of *Enterobacteriaceae*. The antagonistic effects exerted by bifidobacteria against *Enterobacteriaceae*, which are known to carry a wide array of ARGs, may contribute to this association^{43–45}. Interestingly, we did find specific ARG signatures by state. Particularly, 20 ARGs were found in this study to be uniquely present in Southern California and were the same genes previously reported in a Northern California infant microbiome study⁴⁶. This suggests that there might be distinct resistomes by different geographical area, which may coincide with regional disparities in antibiotic use and stewardship⁴⁷ and may warrant further investigation.

The delivery of ecosystem services in the infant gut such as impeding colonization of infectious bacteria are dependent on the efficient utilization of human milk oligosaccharides (HMOs) for the production of organic acids^{8,44}. As HMO consumption is pivotal to the establishment of a bifidobacteria-rich microbiota in breastfed infants, the abundance of genes related to the uptake of HMO correlates strongly with the abundance of *Bifidobacterium* in infants from different nations, including the US⁴⁸. Therefore, we screened our data for the presence of HMO-related orthologous genes known to be fundamental for the complete metabolism of HMOs²⁷. The analysis of such orthologous (HMO-KO) by enterotype revealed that there was a significantly higher presence of these crucial genes in the *Bifidobacteriaceae*-driven enterotype compared to the other enterotypes. However, we found that although 43.6% of infants ($n=99$) were classified as having a *Bifidobacteriaceae*-driven enterotype, the microbiomes of only a small subset ($n=16$) of infants carried all the KO-HMO functions. Notably, HMO assimilation abilities significantly vary among different species and strains of *Bifidobacterium*^{48,49}. Therefore, it is likely that species within the *Bifidobacteriaceae*-enterotypes were limited in the ability to access HMOs. Some

Bifidobacterium (e.g., *B. bifidum*⁵⁰) and *Bacteroides* possess enzymes for the purpose of degrading mucin glycans that hold structural similarities with HMO^{51,52}. This may explain why functions related to sialic acid, which decorates both mucin and HMOs, were not differentially abundant between the *Bifidobacteriaceae* and *Bacteroidaceae* enterotypes. This idea is further supported by the fact that only 10% of the samples ($n=23$) showed detectable *B. infantis*, which is the only known species fully equipped and ecologically adept at capturing, transporting and metabolizing HMOs²⁶. Further, only a small number of these samples where *B. infantis* was detected (3% of total samples, $n=6$) exhibited a microbiome composition characterized by a high abundance of *B. longum* species (inclusive of *B. infantis*) demonstrative of the efficient provision of ecosystem services⁸.

The absence or substantial decrease of *B. infantis* during the first trimester postnatal has been associated with (1) higher susceptibility to invasion of allochthonous bacteria with pathogenic potential^{31,44}; (2) higher levels of ARGs²⁹ and virulence factors⁵³; (3) increased enteric inflammation²³; (4) progressive mucus erosion compromising the intestinal mucosal barrier⁵⁴; (5) limited conversion of HMOs into organic acids³¹; (6) limited HMO-derived nutritional absorption⁸; and (7) altered response to vaccines²¹. Together, data generated in this study demonstrate that *B. infantis*, which is considered a key infant gut symbiont that has co-evolved with the host to provide important ecosystem services, is exceptionally rare among infants in the US^{8,26,27,55}.

Our study carries the limitations of a cross-sectional study and infants analyzed were mostly located in urban and suburban areas and may not be representative of rural populations^{56,57}. Also, the use of medications (e.g. antibiotics) and delivery mode are known to alter the microbiome^{58,59}, but the impact of these interventions was not examined in the context of this study. However, we note that the aim of this study was to gain insight into infant gut microbiome compositions as they exist among the population and characterize the functional capacities of these communities, rather than to identify the relative impact of medically necessary interventions on the gut microbiome of infants. Further, associations between these interventions and the gut microbiome may be context-dependent, and connections between cesarean section delivery on the infant gut microbiome in the US do not match observations in Bangladesh^{11,20}.

In conclusion, our survey highlights the microbiome composition and its metabolic capacity among infants in the US. Given recent findings linking the microbiome in early life to key elements of infant health and the understanding of this community has improved, our findings reveal that infants in the US have microbiomes that may fail to provide functions necessary in early life including shaping the immune system, protecting against pathogen colonization, and maximizing nutrition from breastmilk (e.g. HMOs). These diminished ecosystem services suggest that these communities could thus be classified as dysbiotic⁸. Future efforts should be directed to determine the cause and extent of these results and confirm relevance more broadly and in specific populations of concern. No matter the cause, these findings demonstrate a need to develop interventions that address the dysbiosis reported here, considering microbiome functional deficiencies and restoring the necessary ecosystem services to infants.

Methods

Sample collection. The study was conducted at five pediatric offices and two breastfeeding support centers across five geographically diverse states (California, Georgia, Oregon, Pennsylvania and South Carolina). The experimental protocol was approved by Advarra Central IRB (IRB Registration number: 00000971). All methods were carried out in accordance with relevant guidelines and regulations set forth by the Declaration of Helsinki. Informed consent was obtained from a parent or legal guardian of all participants in the study. Generally healthy aged 0–6 months infants were enrolled. Participants were excluded if they presented with jaundice at the time of enrollment, were undergoing current antibiotic treatment, or were diagnosed with carbohydrate malabsorption syndrome. Site personnel processed fresh diapers within eight hours of receipt. If they could not be processed within 8 h, diapers were frozen at $-20\text{ }^{\circ}\text{C}$ for up to 72 h and thawed for 1 h prior to processing. Site personnel collected stool swabs from each diaper and placed them in a barcoded collection tube containing DNA/RNA Shield stabilization buffer (Zymo Research, Irvine CA) and lysis beads. Stool swab samples in stabilization buffer were stored at room temperature. Additionally, staffs were instructed to aliquot at least a bean-sized amount of stool into an empty, barcoded specimen tube. This aliquot was stored at $-20\text{ }^{\circ}\text{C}$ prior to shipment. All samples were shipped on dry ice to Evolve BioSystems, Inc. Upon receipt, all samples were stored at $-80\text{ }^{\circ}\text{C}$ until further processing. 229 stool samples were collected during the enrollment period but only 227 passed final quality filtering.

DNA extraction and metagenomics sequencing. gDNA was extracted from 229 stool swab samples stored in DNA/RNA shield lysis tubes (Zymo Research, Irvine CA) using the ZymoBIOMICS 96 MagBead DNA kit (Zymo Research, Irvine CA). Extracted DNA was quantified using QuantiT dsDNA Assay kit, high sensitivity (ThermoFisher Scientific, Waltham, MA) according to the manufacturer's protocol. 2 Samples did not meet library preparation input specifications and were omitted from downstream analysis. Libraries were prepared for each sample using the Illumina Nextera DNA Flex library kit (Illumina, San Diego, CA) with unique dual indexes according to manufacturer guidelines. Libraries were pooled and submitted to UC Davis DNA Technologies core for sequencing on the Illumina NovaSeq S4 flow cell. (Illumina, San Diego, CA). Each lane of the S4 flow cell contained 96 libraries.

Total *Bifidobacterium* was quantified using a standard curve Taqman-based quantitative PCR assay as previously described using the Bif F, Bif R and Bif P primer/probe set^{31,60}. The primer final concentrations were adjusted to 900 nM. Quantification of the total *B. infantis* was performed by quantitative real-time PCR using Blon_2348 sialidase gene primers Inf2348F (5'-ATA CAG CAG AAC CTT GGC CT-3'), Inf2348_R (5'-GCG ATC ACA TGG ACG AGA AC-3'), and Inf2348_P (5'-/56-FAM/TTT CAC GGA /ZEN/TCA CCG GAC CAT ACG/3LABkFQ/-3')⁶¹. Each reaction contained 10 μL of $2\times$ TaqMan Universal Master Mix II with UNG master

mix (ThermoFisher Scientific, Waltham, MA), 0.9 μM of each primer, 0.25 μM probe and 5 μL of template DNA. Thermal cycling was performed on a QuantStudio 3 Real-Time PCR System and consisted of an initial UNG activation step of 2 min at 50 °C followed by a 10 min denaturation at 95 °C, succeeded by 40 cycles of 15 s at 95 °C and 1 min at 60 °C. Standard curves for absolute quantification were generated using genomic DNA extracted from a pure culture of *B. infantis* EVC001.

Quality filtering and removal of human sequences. Quality filtering and removal of human sequences were performed following a previously described pipeline²⁹. Demultiplexed Fastq files from NovaSeq were quality filtered using Trimmomatic v0.36⁶² with default parameters. Quality-filtered sequences were screened to remove human sequences using GenCoF v1.0⁶³ against a non-redundant version of the Genome Reference Consortium Human Build 38, patch release 7 (GRCh38_p7; www.ncbi.nlm.nih.gov). Human sequence-filtered raw reads were deposited in the Sequence Read Archive (SRA; <https://www.ncbi.nlm.nih.gov/sra>) under the reference number PRJNA633576.

Taxonomic and strain profiling. Taxonomic and strain profiling was performed as previously described²⁹. Taxonomic profiling of the metagenomic samples was performed using MetaPhlan2⁶⁴, which uses a library of clade-specific markers to provide pan microbial (bacterial, archaeal, viral, and eukaryotic) profiling (<http://huttenhower.sph.harvard.edu/metaphlan2>), in combination with HUMAnN2⁶⁵ to profile functional metagenomics against Uniref90 following the updated global profiling of the Human Microbiome Project (2017)⁶⁶. Strain-specific gene markers were used to determine the presence of *B. longum* subs. *infantis* as previously described²⁹. Cross database annotations (e.g., UniProt to KEGG) were performed within Humman2 using the “utility_mapping” conversion tool package.

Antibiotic resistance gene analysis. Antibiotic resistance gene analysis was computed as previously described²⁹. We applied ShortBRED^{67,68} to profile antibiotic resistance (AR) abundance and composition in the infant gut microbiome. We first produced a set of new AR marker sequences by applying ShortBRED-Identify to the Comprehensive Antibiotic Resistance Database database (CARD)⁶⁹. We then used ShortBRED-Quantify to profile the relative abundance of corresponding antibiotic resistance genes (ARGs). Final values were normalized in Reads Per Kilobase per Million mapped reads (RPKM) to account for sequencing depth as well as gene length. We used custom scripts to collapse CARD individual antibiotic resistance gene entries in their corresponding drug class. Conversion rules are offered within every CARD package update.

Statistical analysis. All statistical analyses were performed in R v3.6.2. A Kruksal-Wallis one-way analysis of variance coupled with an FDR or Bonferroni correction was used for statistical comparisons between individual genes and taxa among groups. Statistical analysis to assess total resistome or enterotype composition by group was performed using a Mann–Whitney or Holm–adjusted Dunn’s test. Rarefaction curves were computed to estimate the diversity of the identified ARGs across samples. A nonparametric two-sample t-test was used to compare rarefaction curves using Monte Carlo permutations ($n=999$). The microbiome multivariable association analysis with linear models was performed using MaAsLin2 (<https://huttenhower.sph.harvard.edu/maaslin/>), by including all the clinical variables presented in the Supplementary Table 1 to test for microbiome differences at the family level according to metadata. All variables were run as fixed effects, except for the variable “State”, which was run as a random effect for the model (Supplementary Table 1). Enterotype analysis was performed as previously described⁷⁰. Principal component analysis and Bray–Curtis beta diversity to confirm enterotype classification was performed as previously described²⁹, and confirmed with a permutational multivariate analysis of variance (adonis) to test whether the clustering by our Enterotype classification was supported. The *P*-values throughout the manuscript are represented by asterisks (* $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$; **** $P < 0.0001$).

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Author contributions

G.C., R.M.D., H.B., S.K., R.D.M., S.C. and S.A.F. processed and analyzed the data. O.C., R.L.F., B.M.H. and S.L.F. organized the sample collection. All authors contributed to writing and editing and final approval of the manuscript.

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Competing interests

KGS is a professor at Stanford University. GC, RMD, HB, RDM, SK, SC, OC, RLF, SAF, BMH and SLF are employees of Evolve BioSystems, a company focused on restoring the infant microbiome. We are committed to making our raw data, materials, and analysis methods publicly available.

Additional information

Supplementary Information The online version contains supplementary material available at <https://doi.org/10.1038/s41598-020-80583-9>.

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Metagenomic insights of the infant microbiome community structure and function across multiple sites in the United States

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Supplemental Figure Legend:

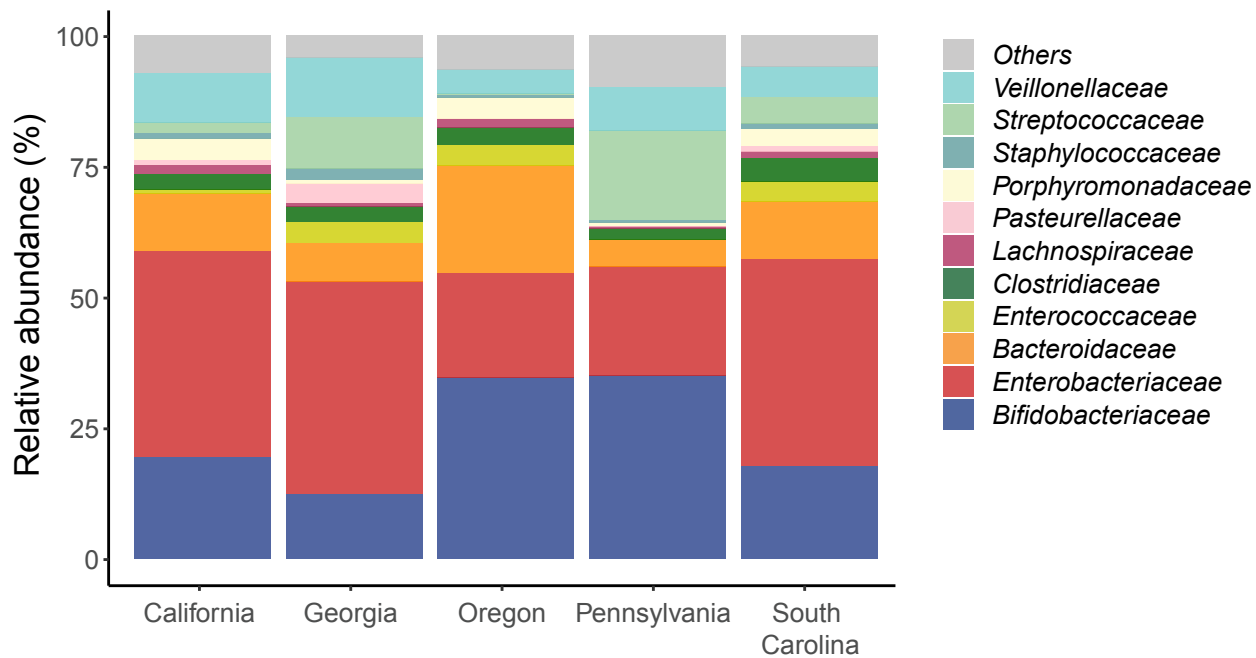
Supplemental Figure 1. Relative abundance (%) of top bacterial families identified in infants 0-3 months of age across five US states.

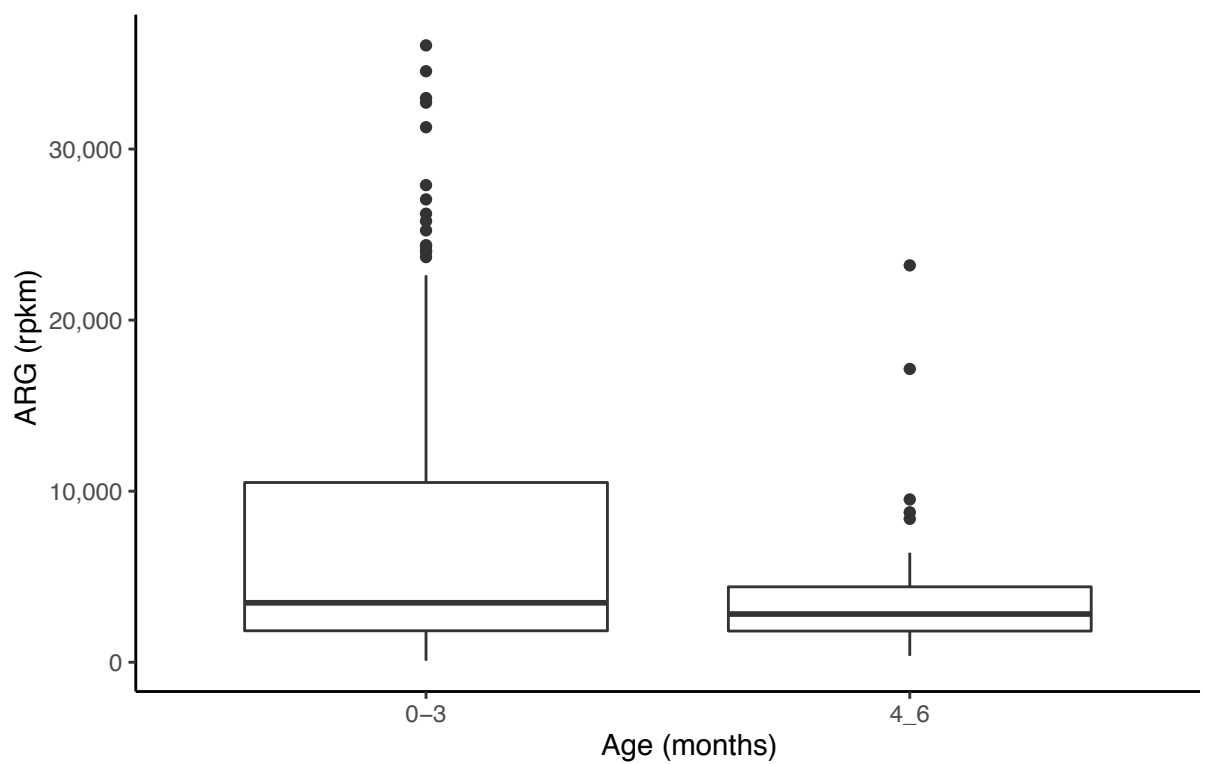
Supplemental Figure 2. Comparison of the total load of ARGs (RPKM) in the microbiome of infants between 0-3 and 4-6 months of age ($P > 0.05$).

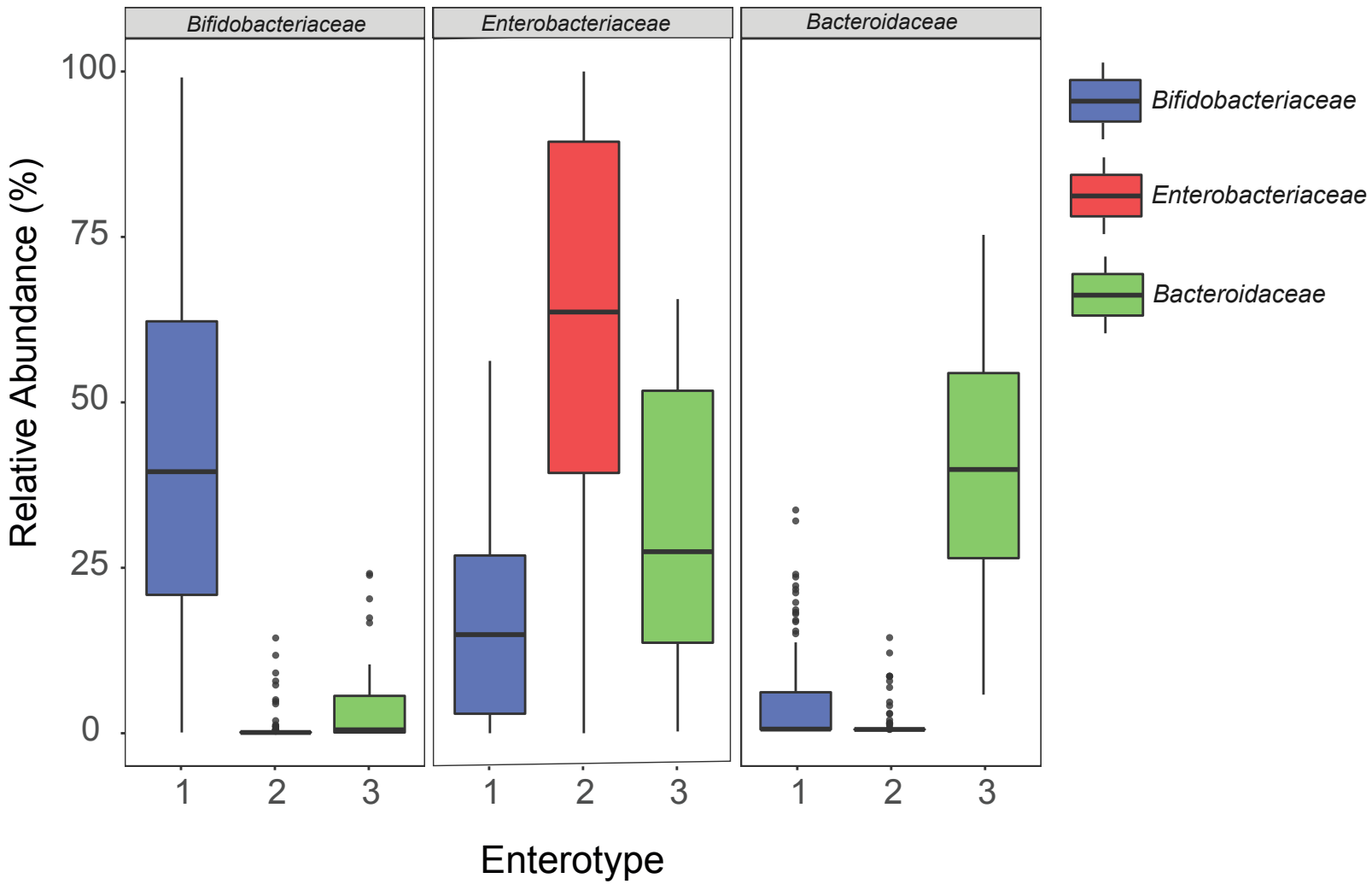
Supplemental Figure 3. Relative abundance (%) of ARGs drug class compared by state.

Supplemental Figure 4. Relative abundance (%) of the three main bacterial families driving the three enterotypes. Samples were grouped based on the enterotype they belong to (bottom numbers).

Supplemental Figure 5. Relative abundance (%) of top bacterial families with at least 1% in relative abundance on average and showed on a per sample basis and sorted by Enterotype.









Metadata	Bacterial family	Value	Coefficient	std.err
age	Acidaminococcaceae	Less than 1 month	-0.01428145	0.00497125
age	Acidaminococcaceae	2-3 months	-0.01652636	0.00672476
age	Bacillales_noname	Less than 1 month	0.00552691	0.00179343
diet	Bacillales_noname	Mixed	-0.00379893	0.00141951
age	Bacteroidaceae	5-6 months	0.42760446	0.12076184
age	Bifidobacteriaceae	Less than 1 month	-0.2703247	0.08231439
age	Carnobacteriaceae	4-5 months	0.00210504	0.00082027
race	Clostridiaceae	Black or African American	0.446672	0.1819145
sex	Clostridiaceae	Unknown	0.46011819	0.16904321
age	Clostridiales_noname	5-6 months	0.05422913	0.01620966
age	Clostridiales_noname	2-3 months	0.02985461	0.01086016
age	Clostridiales_noname	3-4 months	0.03457775	0.01272788
diet	Clostridiales_noname	Infant Formula	0.02059722	0.00743377
race	Clostridiales_noname	Black or African American	0.11345366	0.03194672
age	Coriobacteriaceae	5-6 months	0.10384111	0.02288367
age	Coriobacteriaceae	2-3 months	0.06488361	0.01531616
age	Coriobacteriaceae	4-5 months	0.0533813	0.01780824
diet	Coriobacteriaceae	Infant Formula	0.04027621	0.01047983
diet	Desulfovibrionaceae	Unknown	0.12884072	0.05128961
race	Desulfovibrionaceae	White	-0.03533295	0.01375432
age	Erysipelotrichaceae	2-3 months	0.06460554	0.0230379
age	Eubacteriaceae	5-6 months	0.0441224	0.01524299
age	Eubacteriaceae	3-4 months	0.03369759	0.01232065
age	Lachnospiraceae	4-5 months	0.13091485	0.03678439
age	Lactobacillaceae	3-4 months	-0.08186442	0.03065849
race	Lactobacillaceae	White	-0.29962744	0.047247
race	Lactobacillaceae	Black of African American	-0.28014249	0.04852162
race	Lactobacillaceae	Other	-0.28251812	0.05206129
race	Lactobacillaceae	Black of African American	-0.32073121	0.07711188
race	Lactobacillaceae	Asian	-0.27748703	0.07840325
race	Lactobacillaceae	Black or African American	-0.2524448	0.07696407
race	Lactobacillaceae	Black or African American	-0.31389097	0.10030867
race	Lactobacillaceae	American Indian or Alaska Native	-0.29822852	0.09946
race	Lactobacillaceae	Asian, White	-0.29822852	0.09946
race	Lactobacillaceae	Black of African American	-0.29491565	0.10051164
race	Lactobacillaceae	Black of African American	0.21919581	0.0178721
diet	Peptostreptococcaceae	Infant Formula	0.06539808	0.01544259
age	Prevotellaceae	Less than 1 month	-0.02774709	0.01126162
race	Pseudomonadaceae	Black of African American	0.02900147	0.00705827
age	Rikenellaceae	5-6 months	0.1457254	0.02004621

age	Ruminococcaceae	5-6 months	0.10663213	0.03861261
diet	Ruminococcaceae	Infant Formula	0.05666431	0.01853832
age	Staphylococcaceae	Less than 1 month	0.06268362	0.01851852
diet	Staphylococcaceae	Infant Formula	-0.04892409	0.01740202
diet	Staphylococcaceae	Mixed	-0.0372314	0.01465756
ethnicity	Staphylococcaceae	Not Hispanic or Latino	-0.29666883	0.08815389
ethnicity	Staphylococcaceae	Hispanic or Latino	-0.28268145	0.08941904
ethnicity	Staphylococcaceae	Unknown	-0.34469979	0.10882757
race	Staphylococcaceae	Black of African American	0.19839415	0.07594031
diet	Sutterellaceae	Infant Formula	0.02249283	0.00826989
age	Xanthomonadaceae	3-4 months	0.00824923	0.00267306

p-value	q-value	Bacterial family	Total average
0.00450302	0.11482714	Bifidobacteriaceae	19.93616044
0.01483222	0.23869227	Bacteroidaceae	10.49937048
0.0023449	0.07653756	Clostridiaceae	3.604656696
0.00805713	0.15570011	Lachnospiraceae	1.723628811
0.00052319	0.02846179	Staphylococcaceae	1.23427511
0.00120767	0.04996844	Lactobacillaceae	1.049940969
0.01103044	0.19567043	Ruminococcaceae	0.879060264
0.01491827	0.23869227	Erysipelotrichaceae	0.788543789
0.00705796	0.14281054	Peptostreptococcaceae	0.528630661
0.00098448	0.04462965	Coriobacteriaceae	0.500445815
0.0065196	0.14281054	Rikenellaceae	0.310477709
0.00717553	0.14281054	Prevotellaceae	0.261620176
0.00611866	0.14239967	Clostridiales_noname	0.198976035
0.00047869	0.02846179	Sutterellaceae	0.180136476
9.84E-06	0.00133869	Eubacteriaceae	0.133061013
3.45E-05	0.00363431	Desulfovibrionaceae	0.079439383
0.00306481	0.08623736	Acidaminococcaceae	0.054151189
0.00016296	0.01208851	Micrococcaceae	0.053417181
0.0127875	0.21738752	Bacillales_noname	0.00906304
0.01092458	0.19567043	Xanthomonadaceae	0.00581207
0.00553449	0.13282781	Pseudomonadaceae	0.004184581
0.00430465	0.11330949	Carnobacteriaceae	0.000717665
0.00679453	0.14281054		
0.00046405	0.02846179		
0.00820479	0.15570011		
1.47E-09	4.00E-07		
2.91E-08	5.94E-06		
1.64E-07	2.68E-05		
4.73E-05	0.00429179		
0.0004998	0.02846179		
0.00122472	0.04996844		
0.00201669	0.0715486		
0.00306009	0.08623736		
0.00306009	0.08623736		
0.00373867	0.10169193		
3.40E-26	2.77E-23		
3.56E-05	0.00363431		
0.01458069	0.23869227		
5.78E-05	0.00471388		
8.30E-12	3.39E-09		

0.00628234	0.14239967
0.00254116	0.07975341
0.00085537	0.04362388
0.00541857	0.13282781
0.01183478	0.20547197
0.00091488	0.04391425
0.00181234	0.06722125
0.00177663	0.06722125
0.0096638	0.17921952
0.00710031	0.14281054
0.00231272	0.07653756

Metagenomic insights of the infant microbiome community structure and function across multiple sites in the United States

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Supplemental Table Legend:

Supplemental Table 1. Demographic data for every samples collected in this study.

Supplemental Table 2. Complete taxonomic profile for every sample in the survey. Taxa are stratified and reported in relative abundance (%). Same taxonomic ranks sum to 100% [e.g., K__(Kingdom);p__(Phylum);c__(Class);o__(Order);f__(Family);g__(Genus);s__(Species);t__(Strain)]

Supplemental Table 3. Antibiotic resistance genes (ARGs) identified by sample and expressed in RPKM.

Supplemental Table 4. Antibiotic resistance genes (ARGs) identified by state and expressed in mean RPKM.

Supplemental Table 5. Adonis analysis of resistome composition for individual ARG or their respective drug class by different demographic variables. Effect-size (R^2) is reported to assess the strength of individual demographic variables to the overall resistome variability (R^2 : 0-0.2 = weak | 0.2-0.4 = mild | 0.4-0.6 = moderate | 0.6-0.8 = moderately strong | 0.8-1 = strong).

Supplemental Table 6. Results of the MaAsLin2 model showing effects of individual covariates on the bacterial families' composition in terms of coefficient and statistical significance. Total average of bacterial families is also reported for context.

k__Bacteria|p__Proteobacteria|c__Gammaproteobacteria|o__Xanthomonadales|f__Xanthomonadac
k__Bacteria|p__Tenericutes
k__Bacteria|p__Tenericutes|c__Mollicutes
k__Bacteria|p__Tenericutes|c__Mollicutes|o__Mycoplasmatales
k__Bacteria|p__Tenericutes|c__Mollicutes|o__Mycoplasmatales|f__Mycoplasmataceae
k__Bacteria|p__Tenericutes|c__Mollicutes|o__Mycoplasmatales|f__Mycoplasmataceae|g__Ureaplas
k__Bacteria|p__Tenericutes|c__Mollicutes|o__Mycoplasmatales|f__Mycoplasmataceae|g__Ureaplas
k__Bacteria|p__Tenericutes|c__Mollicutes|o__Mycoplasmatales|f__Mycoplasmataceae|g__Ureaplas
k__Bacteria|p__Verrucomicrobia
k__Bacteria|p__Verrucomicrobia|c__Verrucomicrobiae
k__Bacteria|p__Verrucomicrobia|c__Verrucomicrobiae|o__Verrucomicrobiales
k__Bacteria|p__Verrucomicrobia|c__Verrucomicrobiae|o__Verrucomicrobiales|f__Verrucomicrobiaci
k__Bacteria|p__Verrucomicrobia|c__Verrucomicrobiae|o__Verrucomicrobiales|f__Verrucomicrobiaci
k__Bacteria|p__Verrucomicrobia|c__Verrucomicrobiae|o__Verrucomicrobiales|f__Verrucomicrobiaci
k__Bacteria|p__Verrucomicrobia|c__Verrucomicrobiae|o__Verrucomicrobiales|f__Verrucomicrobiaci
k__Eukaryota
k__Eukaryota|p__Ascomycota
k__Eukaryota|p__Ascomycota|c__Eurotiomycetes
k__Eukaryota|p__Ascomycota|c__Eurotiomycetes|o__Eurotiales
k__Eukaryota|p__Ascomycota|c__Eurotiomycetes|o__Eurotiales|f__Aspergillaceae
k__Eukaryota|p__Ascomycota|c__Eurotiomycetes|o__Eurotiales|f__Aspergillaceae|g__Aspergillacea
k__Eukaryota|p__Ascomycota|c__Saccharomycetes
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Debaryomycetaceae
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Debaryomycetaceae|g
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Metschnikowiaceae
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Metschnikowiaceae|g
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Metschnikowiaceae|g
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Metschnikowiaceae|g
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Saccharomycetaceae
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Saccharomycetaceae|g
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Saccharomycetaceae|g
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Saccharomycetales_n
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Saccharomycetales_n
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Saccharomycetales_n
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Saccharomycetales_n
k__Eukaryota|p__Ascomycota|c__Saccharomycetes|o__Saccharomycetales|f__Saccharomycetales_n
k__Viruses
k__Viruses|p__Viruses_noname
k__Viruses|p__Viruses_noname|c__Viruses_noname

k__Viruses|p__Viruses_noname|c__Viruses_noname|o__Viruses_noname|f__Viruses_noname|g__V
k__Viruses|p__Viruses_noname|c__Viruses_noname|o__Viruses_noname|f__Viruses_noname|g__V
k__Viruses|p__Viruses_noname|c__Viruses_noname|o__Viruses_noname|f__Viruses_noname|g__V
unclassified

and reported in relative abundance (%). Same taxonomic ranks :

average	CH04JC	CH05EC	CH0GPC	CH0I2C	CH0JEC
99.26939507	99.99882	100	100	99.99091	100
20.62137692	24.79603	0	0.14511	28.3838	0
20.62137692	24.79603	0	0.14511	28.3838	0
0.184771718	0.00406	0	0	0.00406	0
0.047589824	0.00406	0	0	0	0
8.67841E-06	0	0	0	0	0
8.67841E-06	0	0	0	0	0
8.67841E-06	0	0	0	0	0
0.03402163	0	0	0	0	0
0.008690132	0	0	0	0	0
0.008690132	0	0	0	0	0
0.001935683	0	0	0	0	0
0.001935683	0	0	0	0	0
0.006449824	0	0	0	0	0
0.006449824	0	0	0	0	0
0.002726035	0	0	0	0	0
0.002726035	0	0	0	0	0
0.000596079	0	0	0	0	0
0.000596079	0	0	0	0	0
0.001248987	0	0	0	0	0
0.001248987	0	0	0	0	0
0.000233084	0	0	0	0	0
0.000233084	0	0	0	0	0
0.01214185	0	0	0	0	0
0.01214185	0	0	0	0	0
1.79736E-05	0	0	0	0	0
1.79736E-05	0	0	0	0	0
0.013541498	0.00406	0	0	0	0
0.013541498	0.00406	0	0	0	0
0.013541498	0.00406	0	0	0	0
0.001992731	0	0	0	0	0
0.001992731	0	0	0	0	0
0.000185727	0	0	0	0	0
0.000185727	0	0	0	0	0
1.40969E-06	0	0	0	0	0
1.40969E-06	0	0	0	0	0
7.15859E-05	0	0	0	0	0
7.15859E-05	0	0	0	0	0
0.000556564	0	0	0	0	0

0.000556564	0	0	0	0	0
0.000468546	0	0	0	0	0
0.000468546	0	0	0	0	0
0.000218414	0	0	0	0	0
0.000218414	0	0	0	0	0
2.70044E-05	0	0	0	0	0
2.70044E-05	0	0	0	0	0
0.00027185	0	0	0	0	0
0.00027185	0	0	0	0	0
0.000191674	0	0	0	0	0
0.000191674	0	0	0	0	0
0.000749868	0	0	0	0	0
0.000749868	0	0	0	0	0
0.000749868	0	0	0	0	0
0.000749868	0	0	0	0	0
0.053417181	0	0	0	0	0
6.24229E-05	0	0	0	0	0
3.06167E-05	0	0	0	0	0
3.06167E-05	0	0	0	0	0
3.17621E-05	0	0	0	0	0
0.053354758	0	0	0	0	0
0.049345066	0	0	0	0	0
0.049345066	0	0	0	0	0
0.004009956	0	0	0	0	0
0.000124493	0	0	0	0	0
0.000124493	0	0	0	0	0
0.000124493	0	0	0	0	0
0.000124493	0	0	0	0	0
0.080854802	0	0	0	0.00406	0
0.01289304	0	0	0	0.00167	0
0.067961806	0	0	0	0.00238	0
0.000612335	0	0	0	0.00238	0
0.000612335	0	0	0	0.00238	0
0.067270573	0	0	0	0	0
0.067270573	0	0	0	0	0
7.89427E-05	0	0	0	0	0
7.89427E-05	0	0	0	0	0
4.29515E-05	0	0	0	0	0
4.29515E-05	0	0	0	0	0
4.29515E-05	0	0	0	0	0
19.93616044	24.55165	0	0	28.37974	0

19.93616044	24.55165	0	0	28.37974	0
0.002349471	0	0	0	0	0
0.002349471	0	0	0	0	0
0.002349471	0	0	0	0	0
19.92789608	24.55165	0	0	28.37974	0
0.325244141	0.00025	0	0	0	0
0.325244141	0.00025	0	0	0	0
0.031392819	0	0	0	0	0
0.031392819	0	0	0	0	0
0.097715507	0.02396	0	0	0	0
0.097715507	0.02396	0	0	0	0
3.751070176	10.77121	0	0	0.84018	0
3.751070176	10.77121	0	0	0.84018	0
5.830815419	1.89926	0	0	0	0
5.830815419	1.89926	0	0	0	0
0.053317621	0	0	0	0	0
0.053317621	0	0	0	0	0
1.016759031	0	0	0	0	0
1.016759031	0	0	0	0	0
8.545499427	11.80792	0	0	27.53956	0
8.472568282	11.80792	0	0	21.41692	0
0.072931233	0	0	0	6.12265	0
0.271540793	0.04906	0	0	0	0
0.271540793	0.04906	0	0	0	0
0.004541101	0	0	0	0	0
0.004541101	0	0	0	0	0
0.002842643	0	0	0	0	0
0.002842643	0	0	0	0	0
0.002842643	0	0	0	0	0
0.000871982	0	0	0	0	0
0.000871982	0	0	0	0	0
0.000871982	0	0	0	0	0
0.002200044	0	0	0	0	0
2.77974E-05	0	0	0	0	0
0.002172247	0	0	0	0	0
0.002172247	0	0	0	0	0
0.500445815	0.24031	0	0.14511	0	0
0.500445815	0.24031	0	0.14511	0	0
0.003051938	0	0	0	0	0
0.003051938	0	0	0	0	0
0.003051938	0	0	0	0	0

0.00421978	0	0	0	0	0
1.14537E-05	0	0	0	0	0
1.14537E-05	0	0	0	0	0
0.004119559	0	0	0	0	0
0.004119559	0	0	0	0	0
8.87665E-05	0	0	0	0	0
8.87665E-05	0	0	0	0	0
0.431888987	0.05111	0	0	0	0
0.258120485	0.05111	0	0	0	0
0.258120485	0.05111	0	0	0	0
0.035256476	0	0	0	0	0
0.035256476	0	0	0	0	0
0.014318414	0	0	0	0	0
0.014318414	0	0	0	0	0
0.029614229	0	0	0	0	0
0.029614229	0	0	0	0	0
0.094579427	0	0	0	0	0
3.53744E-05	0	0	0	0	0
3.53744E-05	0	0	0	0	0
3.53744E-05	0	0	0	0	0
0.05638348	0.1892	0	0.14511	0	0
0.005459075	0	0	0.03624	0	0
0.005459075	0	0	0.03624	0	0
0.003326167	0	0	0	0	0
0.003326167	0	0	0	0	0
0.047598282	0.1892	0	0.10887	0	0
0.004215815	0	0	0	0	0
0.004215815	0	0	0	0	0
0.004215815	0	0	0	0	0
0.000332643	0	0	0	0	0
0.000332643	0	0	0	0	0
0.000332643	0	0	0	0	0
0.000317885	0	0	0	0	0
0.000301057	0	0	0	0	0
0.000301057	0	0	0	0	0
1.68282E-05	0	0	0	0	0
13.61376463	48.74385	0	0	13.15756	0
13.61353969	48.74385	0	0	13.15756	0
13.61353969	48.74385	0	0	13.15756	0
10.49937048	11.22367	0	0	13.15756	0
10.49937048	11.22367	0	0	13.15756	0

0.547041322	0.01743	0	0	0	0
0.539383392	0.01743	0	0	0	0
0.00765793	0	0	0	0	0
0.145035947	0	0	0	0	0
0.145035947	0	0	0	0	0
0.000149515	0	0	0	0	0
0.000149515	0	0	0	0	0
0.001367137	0	0	0	0	0
0.001367137	0	0	0	0	0
0.172026432	0	0	0	0	0
0.172026432	0	0	0	0	0
1.478977048	0.00456	0	0	12.53221	0
1.478977048	0.00456	0	0	12.53221	0
0.000159648	0	0	0	0	0
0.000159648	0	0	0	0	0
0.045052907	0.00211	0	0	0	0
0.045052907	0.00211	0	0	0	0
0.116910176	0	0	0	0	0
0.116910176	0	0	0	0	0
3.350120749	0.03969	0	0	0.15451	0
3.350120749	0.03969	0	0	0.15451	0
0.00075674	0	0	0	0	0
0.00075674	0	0	0	0	0
0.232358855	0.00558	0	0	0	0
0.232358855	0.00558	0	0	0	0
0.000575639	0	0	0	0	0
0.000575639	0	0	0	0	0
0.597730308	6.07594	0	0	0.00091	0
0.489716388	6.07594	0	0	0.00091	0
0.108013921	0	0	0	0	0
0.007011542	0	0	0	0	0
0.007011542	0	0	0	0	0
0.000741542	0	0	0	0	0
0.000741542	0	0	0	0	0
0.165050485	0	0	0	0	0
0.165050485	0	0	0	0	0
0.387705463	5.03971	0	0	0.44335	0
0.387705463	5.03971	0	0	0.44335	0
0.481638018	0.02567	0	0	0	0
0.481638018	0.02567	0	0	0	0
0.512439295	0.00212	0	0	0.02334	0

0.505498899	0.00212	0	0	0.02334	0
0.006940396	0	0	0	0	0
2.243068458	0.01087	0	0	0.00324	0
2.243068458	0.01087	0	0	0.00324	0
0.013453436	0	0	0	0	0
0.013453436	0	0	0	0	0
5.72247E-05	0	0	0	0	0
5.72247E-05	0	0	0	0	0
5.72247E-05	0	0	0	0	0
5.72247E-05	0	0	0	0	0
2.542013744	37.23609	0	0	0	0
0.053745551	0.01379	0	0	0	0
0.053745551	0.01379	0	0	0	0
0.053745551	0.01379	0	0	0	0
0.000625419	0	0	0	0	0
0.000625419	0	0	0	0	0
0.000625419	0	0	0	0	0
0.005595022	0	0	0	0	0
3.21586E-05	0	0	0	0	0
3.21586E-05	0	0	0	0	0
0.003600617	0	0	0	0	0
0.003600617	0	0	0	0	0
0.001962247	0	0	0	0	0
0.010046432	0	0	0	0	0
0.00997674	0	0	0	0	0
0.00997674	0	0	0	0	0
6.96916E-05	0	0	0	0	0
2.470952379	37.2223	0	0	0	0
0.617376256	0	0	0	0	0
0.617376256	0	0	0	0	0
0.005794581	0	0	0	0	0
0.005794581	0	0	0	0	0
0.001857489	0	0	0	0	0
0.001857489	0	0	0	0	0
0.343207269	37.2223	0	0	0	0
0.343207269	37.2223	0	0	0	0
0.069422819	0	0	0	0	0
0.069422819	0	0	0	0	0
1.433293789	0	0	0	0	0
0.001049031	0	0	0	0	0
9.23789E-05	0	0	0	0	0

9.23789E-05	0	0	0	0	0
0.000920793	0	0	0	0	0
0.000920793	0	0	0	0	0
3.02643E-05	0	0	0	0	0
3.02643E-05	0	0	0	0	0
5.59471E-06	0	0	0	0	0
5.59471E-06	0	0	0	0	0
0.261620176	0.28264	0	0	0	0
0.261620176	0.28264	0	0	0	0
1.61233E-05	0	0	0	0	0
1.61233E-05	0	0	0	0	0
0.000951806	0	0	0	0	0
0.000951806	0	0	0	0	0
5.24229E-06	0	0	0	0	0
5.24229E-06	0	0	0	0	0
0.234343436	0.28264	0	0	0	0
0.234343436	0.28264	0	0	0	0
0.001451013	0	0	0	0	0
0.001451013	0	0	0	0	0
0.024306916	0	0	0	0	0
0.024306916	0	0	0	0	0
0.000192203	0	0	0	0	0
0.000192203	0	0	0	0	0
2.79295E-05	0	0	0	0	0
2.79295E-05	0	0	0	0	0
0.000127797	0	0	0	0	0
0.000127797	0	0	0	0	0
0.000197885	0	0	0	0	0
0.000197885	0	0	0	0	0
0.310477709	0.00144	0	0	0	0
0.310477709	0.00144	0	0	0	0
0.005771542	0	0	0	0	0
0.005771542	0	0	0	0	0
0.002343789	0	0	0	0	0
0.002343789	0	0	0	0	0
0.151790485	0	0	0	0	0
0.151790485	0	0	0	0	0
0.126552115	0.00095	0	0	0	0
0.126552115	0.00095	0	0	0	0
0.001687665	0.00049	0	0	0	0
0.001687665	0.00049	0	0	0	0

0.003628062	0	0	0	0	0
0.003628062	0	0	0	0	0
0.018703744	0	0	0	0	0
0.000224978	0	0	0	0	0
0.000224978	0	0	0	0	0
0.000224978	0	0	0	0	0
0.000162467	0	0	0	0	0
1.65639E-05	0	0	0	0	0
1.65639E-05	0	0	0	0	0
0.000145903	0	0	0	0	0
6.2511E-05	0	0	0	0	0
6.2511E-05	0	0	0	0	0
27.42590317	16.70709	5.83829	32.43491	16.01239	12.33963
10.82097648	0.32704	0.22234	11.47497	16.00381	12.33963
1.243426344	0	0.21255	0.10924	0.91637	0.04534
8.84141E-05	0	0	0	0	0
8.84141E-05	0	0	0	0	0
8.84141E-05	0	0	0	0	0
8.84141E-05	0	0	0	0	0
0.00906304	0	0	0	0.0359	0.00475
0.00906304	0	0	0	0.0359	0.00475
0.008662952	0	0	0	0.0359	0.00274
0.008662952	0	0	0	0.0359	0.00274
3.19383E-05	0	0	0	0	0
3.19383E-05	0	0	0	0	0
0.000368106	0	0	0	0	0.00202
1.23427511	0	0.21255	0.10924	0.88047	0.04059
4.18502E-05	0	0	0	0	0
4.18502E-05	0	0	0	0	0
4.18502E-05	0	0	0	0	0
1.23423326	0	0.21255	0.10924	0.88047	0.04059
0.039661718	0	0	0	0	0
0.039661718	0	0	0	0	0
1.020673304	0	0.19147	0.07194	0.88047	0.04059
1.020673304	0	0.19147	0.07194	0.88047	0.04059
0.001816079	0	0	0	0	0
0.001816079	0	0	0	0	0
0.154357489	0	0.02109	0.03729	0	0
0.154357489	0	0.02109	0.03729	0	0
0.017715859	0	0	0	0	0
0.017715859	0	0	0	0	0

8.94273E-06	0	0	0	0	0
8.94273E-06	0	0	0	0	0
9.577550044	0.32704	0.00979	11.36574	15.08743	12.29429
0.000197753	0	0	0	0	0
0.000197753	0	0	0	0	0
0.000184581	0	0	0	0	0
0.000184581	0	0	0	0	0
1.31718E-05	0	0	0	0	0
0.000717665	0	0	0	0	0
6.02203E-05	0	0	0	0	0
6.02203E-05	0	0	0	0	0
6.02203E-05	0	0	0	0	0
0.000657445	0	0	0	0	0
4.46696E-05	0	0	0	0	0
4.46696E-05	0	0	0	0	0
2.70485E-05	0	0	0	0	0
2.70485E-05	0	0	0	0	0
0.000585639	0	0	0	0	0
2.793855683	0.29128	0	10.73242	0.45052	0.20774
2.793855683	0.29128	0	10.73242	0.45052	0.20774
0.088922026	0	0	1.40082	0	0
0.088922026	0	0	1.40082	0	0
0.042258855	0.01874	0	1.62827	0	0
0.042258855	0.01874	0	1.62827	0	0
0.004207357	0	0	0	0	0
0.004207357	0	0	0	0	0
2.174661366	0.27254	0	0.00244	0.45052	0.20774
2.174661366	0.27254	0	0.00244	0.45052	0.20774
0.414921322	0	0	7.7009	0	0
0.414921322	0	0	7.7009	0	0
0.01012348	0	0	0	0	0
0.01012348	0	0	0	0	0
0.056203128	0	0	0	0	0
0.056203128	0	0	0	0	0
0.00167163	0	0	0	0	0
0.00167163	0	0	0	0	0
2.86784E-05	0	0	0	0	0
2.86784E-05	0	0	0	0	0
1.10132E-06	0	0	0	0	0
1.10132E-06	0	0	0	0	0
0.000824934	0	0	0	0	0

0.000824934	0	0	0	0	0
3.21586E-05	0	0	0	0	0
3.21586E-05	0	0	0	0	0
1.049940969	0.02995	0	0.51921	0	0
1.047351806	0.02995	0	0.51921	0	0
6.03524E-05	0	0	0	0	0
6.03524E-05	0	0	0	0	0
3.7489E-05	0	0	0	0	0
3.7489E-05	0	0	0	0	0
0.040251233	0	0	0	0	0
0.040251233	0	0	0	0	0
1.31278E-05	0	0	0	0	0
1.31278E-05	0	0	0	0	0
0.010582819	0	0	0	0	0
0.010582819	0	0	0	0	0
0.288574846	0.01063	0	0.51921	0	0
0.288574846	0.01063	0	0.51921	0	0
0.306600529	0	0	0	0	0
0.306600529	0	0	0	0	0
0.00070304	0	0	0	0	0
0.00070304	0	0	0	0	0
0.002465639	0	0	0	0	0
0.002465639	0	0	0	0	0
0.000126652	0	0	0	0	0
0.000126652	0	0	0	0	0
0.000710705	0	0	0	0	0
0.000710705	0	0	0	0	0
0.001527137	0	0	0	0	0
0.001527137	0	0	0	0	0
0.004554537	0	0	0	0	0
0.004554537	0	0	0	0	0
0.302633568	0.01932	0	0	0	0
0.302633568	0.01932	0	0	0	0
0.061082203	0	0	0	0	0
0.061082203	0	0	0	0	0
0.023999515	0	0	0	0	0
0.023999515	0	0	0	0	0
0.002209824	0	0	0	0	0
0.002209824	0	0	0	0	0
0.001189383	0	0	0	0	0
0.001189383	0	0	0	0	0

2.9207E-05	0	0	0	0	0
2.9207E-05	0	0	0	0	0
0.002589163	0	0	0	0	0
0.002589163	0	0	0	0	0
0.002589163	0	0	0	0	0
0.040362907	0	0	0	0	0
0.040362907	0	0	0	0	0
0.02469489	0	0	0	0	0
0.02469489	0	0	0	0	0
0.015668018	0	0	0	0	0
0.015668018	0	0	0	0	0
5.69247467	0.00581	0.00979	0.1141	14.63691	12.08655
0.732646432	0	0	0	0	0
0.001471322	0	0	0	0	0
0.001471322	0	0	0	0	0
0.73117511	0	0	0	0	0
0.73117511	0	0	0	0	0
4.959828414	0.00581	0.00979	0.1141	14.63691	12.08655
0.017831762	0	0	0	0	0
0.017831762	0	0	0	0	0
0.080907621	0	0	0	0	0
0.080907621	0	0	0	0	0
0.002343392	0	0	0	0	0
0.002343392	0	0	0	0	0
0.001137885	0	0	0	0	0
0.001137885	0	0	0	0	0
0.009205154	0	0	0	0	0
0.009205154	0	0	0	0	0
5.52423E-05	0	0	0	0	0
5.52423E-05	0	0	0	0	0
0.018671013	0	0	0	0.08603	0
0.018671013	0	0	0	0.08603	0
0.124042819	0	0	0	0	0
0.124042819	0	0	0	0	0
0.008163744	0	0	0	0	0
0.008163744	0	0	0	0	0
0.024929824	0	0	0	0.00111	0.04695
0.024929824	0	0	0	0.00111	0.04695
0.70106978	0.00013	0	0	0.0001	0.17607
0.70106978	0.00013	0	0	0.0001	0.17607
0.120639824	0	0	0	0	0

0.120639824	0	0	0	0	0
0.004765727	0	0	0	0	0
0.004765727	0	0	0	0	0
7.8326E-05	0	0	0	0	0
7.8326E-05	0	0	0	0	0
3.232395022	0	0.00979	0.1141	14.54967	11.84634
3.232395022	0	0.00979	0.1141	14.54967	11.84634
8.6696E-05	0	0	0	0	0
8.6696E-05	0	0	0	0	0
0.009833921	0	0	0	0	0
0.009833921	0	0	0	0	0
0.015037709	0.00477	0	0	0	0
0.015037709	0.00477	0	0	0	0
0.001488326	0	0	0	0	0
0.001488326	0	0	0	0	0
0.587144581	0.00091	0	0	0	0.01719
0.587144581	0.00091	0	0	0	0.01719
7.132806652	8.21348	5.61595	12.82555	0.00858	0
7.132806652	8.21348	5.61595	12.82555	0.00858	0
3.604656696	0.61235	5.30113	12.65725	0.00858	0
0.007122555	0	0	0	0	0
0.007122555	0	0	0	0	0
0.007122555	0	0	0	0	0
0.019335419	0	0	0	0	0
0.019335419	0	0	0	0	0
0.019335419	0	0	0	0	0
3.578198722	0.61235	5.30113	12.65725	0.00858	0
0.003109956	0	0	0	0	0
0.003109956	0	0	0	0	0
0.146597445	0.60939	0	0	0	0
0.094087533	0.60939	0	0	0	0
0.048527753	0	0	0	0	0
0.003982159	0	0	0	0	0
0.595399075	0	0	8.66089	0	0
0.595399075	0	0	8.66089	0	0
0.002420485	0.00187	0	0	0	0
0.002420485	0.00187	0	0	0	0
0.105085903	0	0	0	0	0
0.105085903	0	0	0	0	0
0.451336256	0	0	3.61157	0	0
0.297937577	0	0	3.61157	0	0

0.010946828	0	0	0	0	0
0.142451806	0	0	0	0	0
0.002257401	0	0	0	0	0
0.002257401	0	0	0	0	0
0.19346304	0	5.30113	0	0	0
0.19346304	0	5.30113	0	0	0
1.100517137	0.00109	0	0.38479	0.00858	0
1.100517137	0.00109	0	0.38479	0.00858	0
3.03965E-06	0	0	0	0	0
3.03965E-06	0	0	0	0	0
0.54865815	0	0	0	0	0
0.54865815	0	0	0	0	0
0.025405066	0	0	0	0	0
0.025405066	0	0	0	0	0
0.144492115	0	0	0	0	0
0.144492115	0	0	0	0	0
0.031764934	0	0	0	0	0
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0.017560441	0	0	0	0	0
0.017560441	0	0	0	0	0
0.003649427	0	0	0	0	0
0.003649427	0	0	0	0	0
0.206479207	0	0	0	0	0
0.206479207	0	0	0	0	0
7.18062E-06	0	0	0	0	0
7.18062E-06	0	0	0	0	0
7.18062E-06	0	0	0	0	0
7.18062E-06	0	0	0	0	0
0.021105683	0	0	0	0	0
0.006109207	0	0	0	0	0
4.62555E-05	0	0	0	0	0
4.62555E-05	0	0	0	0	0
0.001838194	0	0	0	0	0
0.001838194	0	0	0	0	0
0.00033859	0	0	0	0	0
0.00033859	0	0	0	0	0
0.003886079	0	0	0	0	0
0.003886079	0	0	0	0	0
0.013913965	0	0	0	0	0
0.013913965	0	0	0	0	0
0.013913965	0	0	0	0	0

0.001082599	0	0	0	0	0
9.05727E-05	0	0	0	0	0
9.05727E-05	0	0	0	0	0
3.61233E-06	0	0	0	0	0
3.61233E-06	0	0	0	0	0
0.000988414	0	0	0	0	0
0.000988414	0	0	0	0	0
0.198976035	0.0095	0.31482	0.11302	0	0
0.055154934	0.0086	0	0	0	0
0.055154934	0.0086	0	0	0	0
0.055154934	0.0086	0	0	0	0
0.143821145	0.0009	0.31482	0.11302	0	0
0.143821145	0.0009	0.31482	0.11302	0	0
0.143821145	0.0009	0.31482	0.11302	0	0
0.133061013	0.06289	0	0	0	0
0.000187445	0	0	0	0	0
0.000187445	0	0	0	0	0
0.000187445	0	0	0	0	0
0.132873568	0.06289	0	0	0	0
0.000190661	0	0	0	0	0
0.000190661	0	0	0	0	0
0.001422511	0	0	0	0	0
0.001422511	0	0	0	0	0
0.020543304	0.06289	0	0	0	0
0.020543304	0.06289	0	0	0	0
4.21145E-05	0	0	0	0	0
4.21145E-05	0	0	0	0	0
0.092376079	0	0	0	0	0
0.092376079	0	0	0	0	0
0.011077974	0	0	0	0	0
0.011077974	0	0	0	0	0
0.007221057	0	0	0	0	0
0.007221057	0	0	0	0	0
1.723628811	6.08083	0	0	0	0
0.097044317	0	0	0	0	0
0.000464273	0	0	0	0	0
0.000464273	0	0	0	0	0
0.002026608	0	0	0	0	0
0.002026608	0	0	0	0	0
0.018485507	0	0	0	0	0
0.018485507	0	0	0	0	0

0.07606793	0	0	0	0	0
1.49522652	5.00843	0	0	0	0
0.000552511	0	0	0	0	0
0.000552511	0	0	0	0	0
0.010045374	0.10327	0	0	0	0
0.010045374	0.10327	0	0	0	0
1.330300352	4.75588	0	0	0	0
1.330300352	4.75588	0	0	0	0
0.00103837	0	0	0	0	0
0.00103837	0	0	0	0	0
0.153289824	0.14927	0	0	0	0
0.153289824	0.14927	0	0	0	0
0.00935815	0	0	0	0	0
0.00935815	0	0	0	0	0
0.00935815	0	0	0	0	0
0.023172511	0	0	0	0	0
0.015915947	0	0	0	0	0
0.015915947	0	0	0	0	0
0.002016564	0	0	0	0	0
0.002016564	0	0	0	0	0
0.005239956	0	0	0	0	0
0.08109837	1.07002	0	0	0	0
0.003781542	0	0	0	0	0
0.003781542	0	0	0	0	0
0.000527181	0	0	0	0	0
0.000527181	0	0	0	0	0
0.000211057	0	0	0	0	0
0.000211057	0	0	0	0	0
0.045777665	0.59817	0	0	0	0
0.045777665	0.59817	0	0	0	0
0.004051498	0	0	0	0	0
0.004051498	0	0	0	0	0
0.000480573	0	0	0	0	0
0.000480573	0	0	0	0	0
0.000436696	0	0	0	0	0
0.000436696	0	0	0	0	0
0.002175551	0.471	0	0	0	0
0.002175551	0.471	0	0	0	0
0.000479604	0	0	0	0	0
0.000479604	0	0	0	0	0
0.005400308	0	0	0	0	0

0.005400308	0	0	0	0	0
0.009702952	0	0	0	0	0
0.009702952	0	0	0	0	0
0.001062291	0	0	0	0	0
0.001062291	0	0	0	0	0
0.006777577	0.00085	0	0	0	0
0.006777577	0.00085	0	0	0	0
7.14978E-05	0	0	0	0	0
7.14978E-05	0	0	0	0	0
0.000162379	0	0	0	0	0
0.000162379	0	0	0	0	0
3.87665E-06	0	0	0	0	0
3.87665E-06	0	0	0	0	0
3.87665E-06	0	0	0	0	0
0.017692996	0.00239	0	0	0	0
0.007230352	0	0	0	0	0
0.007230352	0	0	0	0	0
0.00282022	0	0	0	0	0
0.00282022	0	0	0	0	0
0.006577181	0	0	0	0	0
0.006577181	0	0	0	0	0
0.001065242	0.00239	0	0	0	0
3.20264E-05	0	0	0	0	0
3.20264E-05	0	0	0	0	0
3.20264E-05	0	0	0	0	0
0.043680132	0	0	0	0	0
0.043680132	0	0	0	0	0
0.043680132	0	0	0	0	0
0.528630661	0.53619	0	0.05527	0	0
0.528436344	0.53619	0	0.05527	0	0
0.398582335	0.37302	0	0	0	0
0.398582335	0.37302	0	0	0	0
0.0169763	0	0	0	0	0
0.0169763	0	0	0	0	0
0.107393612	0.16317	0	0.02977	0	0
0.102198634	0.16317	0	0.02977	0	0
0.005194934	0	0	0	0	0
0.001523128	0	0	0	0	0
0.001523128	0	0	0	0	0
0.003961145	0	0	0.0255	0	0
0.000194317	0	0	0	0	0

0.000131057	0	0	0	0	0
0.000131057	0	0	0	0	0
1.70485E-05	0	0	0	0	0
1.70485E-05	0	0	0	0	0
4.62115E-05	0	0	0	0	0
0.879060264	0.91172	0	0	0	0
0.027504053	0.91172	0	0	0	0
0.027206564	0.91172	0	0	0	0
0.027206564	0.91172	0	0	0	0
0.000297533	0	0	0	0	0
0.160752731	0	0	0	0	0
0.160752731	0	0	0	0	0
0.160752731	0	0	0	0	0
0.001772467	0	0	0	0	0
0.001772467	0	0	0	0	0
0.001772467	0	0	0	0	0
0.337573612	0	0	0	0	0
0.00383348	0	0	0	0	0
0.00383348	0	0	0	0	0
0.304654185	0	0	0	0	0
0.304654185	0	0	0	0	0
0.029085947	0	0	0	0	0
0.029085947	0	0	0	0	0
0.351457489	0	0	0	0	0
0.006199251	0	0	0	0	0
0.006199251	0	0	0	0	0
0.34508815	0	0	0	0	0
0.000170044	0	0	0	0	0
0.000170044	0	0	0	0	0
0.788543789	0	0	0	0	0
0.788543789	0	0	0	0	0
0.788543789	0	0	0	0	0
3.54626E-05	0	0	0	0	0
3.54626E-05	0	0	0	0	0
3.54626E-05	0	0	0	0	0
0.482633128	0	0	0	0	0
0.026529559	0	0	0	0	0
0.026529559	0	0	0	0	0
0.456103524	0	0	0	0	0
0.305280176	0	0	0	0	0
0.01845696	0	0	0	0	0

0.01845696	0	0	0	0	0
0.109118855	0	0	0	0	0
0.109118855	0	0	0	0	0
0.004038458	0	0	0	0	0
0.004038458	0	0	0	0	0
0.095494626	0	0	0	0	0
0.095494626	0	0	0	0	0
0.00677467	0	0	0	0	0
0.00677467	0	0	0	0	0
2.22026E-05	0	0	0	0	0
2.22026E-05	0	0	0	0	0
0.061081145	0	0	0	0	0
0.061081145	0	0	0	0	0
0.010245903	0	0	0	0	0
0.010245903	0	0	0	0	0
4.7533E-05	0	0	0	0	0
4.7533E-05	0	0	0	0	0
0.000506916	0	0	0	0	0
0.000506916	0	0	0	0	0
0.000506916	0	0	0	0	0
8.80617E-05	0	0	0	0	0
8.80617E-05	0	0	0	0	0
8.80617E-05	0	0	0	0	0
8.683576652	8.16657	0	8.13439	0	0
8.683576652	8.16657	0	8.13439	0	0
0.054151189	0.11273	0	0.16513	0	0
3.01322E-05	0	0	0	0	0
0.054121013	0.11273	0	0.16513	0	0
0.003821145	0.00154	0	0.16513	0	0
0.003821145	0.00154	0	0.16513	0	0
0.037503877	0	0	0	0	0
0.037503877	0	0	0	0	0
0.012796079	0.11119	0	0	0	0
8.629425154	8.05385	0	7.96927	0	0
2.17621E-05	0	0	0	0	0
2.17621E-05	0	0	0	0	0
2.17621E-05	0	0	0	0	0
0.001292159	0	0	0	0	0
3.77093E-05	0	0	0	0	0
3.77093E-05	0	0	0	0	0
0.00044141	0	0	0	0	0

0.00044141	0	0	0	0	0
1.32599E-05	0	0	0	0	0
1.32599E-05	0	0	0	0	0
0.00079978	0	0	0	0	0
0.270846608	0	0	0	0	0
0.017489956	0	0	0	0	0
0.017489956	0	0	0	0	0
0.253356696	0	0	0	0	0
0.011974185	0	0	0	0	0
0.002415639	0	0	0	0	0
0.002415639	0	0	0	0	0
0.00955859	0	0	0	0	0
8.345290176	8.05385	0	7.96927	0	0
0.703038282	0.00023	0	0.00732	0	0
0.703038282	0.00023	0	0.00732	0	0
0.37115141	0	0	0	0	0
0.37115141	0	0	0	0	0
2.684273656	8.02438	0	1.19695	0	0
0.004561454	0	0	0	0	0
2.679712159	8.02438	0	1.19695	0	0
0.906717313	0	0	6.765	0	0
0.906717313	0	0	6.765	0	0
0.002919295	0	0	0	0	0
0.002919295	0	0	0	0	0
0.007516784	0	0	0	0	0
0.007516784	0	0	0	0	0
0.269057137	0	0	0	0	0
0.269057137	0	0	0	0	0
3.400616432	0.02924	0	0	0	0
0.004631101	0	0	0	0	0
0.004631101	0	0	0	0	0
0.004631101	0	0	0	0	0
0.004451982	0	0	0	0	0
0.004451982	0	0	0	0	0
0.004051806	0	0	0	0	0
0.004051806	0	0	0	0	0
0.000400132	0	0	0	0	0
0.000400132	0	0	0	0	0
0.000179119	0	0	0	0	0
3.01762E-05	0	0	0	0	0
1.80176E-05	0	0	0	0	0

1.21586E-05	0	0	0	0	0
1.21586E-05	0	0	0	0	0
0.000148943	0	0	0	0	0
37.4393196	9.74533	94.16171	67.41998	42.43717	87.66037
0.000672819	0	0	0	0.04467	0
3.19824E-05	0	0	0	0	0
3.19824E-05	0	0	0	0	0
3.19824E-05	0	0	0	0	0
3.19824E-05	0	0	0	0	0
0.000592379	0	0	0	0.04467	0
0.000304141	0	0	0	0.04467	0
4.44934E-06	0	0	0	0	0
4.44934E-06	0	0	0	0	0
4.44934E-06	0	0	0	0	0
0.000299692	0	0	0	0.04467	0
0.000299692	0	0	0	0.04467	0
0.000299692	0	0	0	0.04467	0
0.000288194	0	0	0	0	0
0.000229163	0	0	0	0	0
0.000113172	0	0	0	0	0
0.000113172	0	0	0	0	0
0.000115947	0	0	0	0	0
5.90308E-05	0	0	0	0	0
5.90308E-05	0	0	0	0	0
5.90308E-05	0	0	0	0	0
4.84581E-05	0	0	0	0	0
4.84581E-05	0	0	0	0	0
4.84581E-05	0	0	0	0	0
4.84581E-05	0	0	0	0	0
0.227029868	0.11622	0	0	0	0
0.182910352	0.11622	0	0	0	0
0.002209031	0	0	0	0	0
0.002209031	0	0	0	0	0
0.002209031	0	0	0	0	0
0.002209031	0	0	0	0	0
0.000564846	0	0	0	0	0
0.000491366	0	0	0	0	0
0.000491366	0	0	0	0	0
7.34361E-05	0	0	0	0	0
2.10573E-05	0	0	0	0	0
2.10573E-05	0	0	0	0	0

5.23789E-05	0	0	0	0	0
0.180136476	0.11622	0	0	0	0
0.001157004	0	0	0	0	0
0.001157004	0	0	0	0	0
0.001157004	0	0	0	0	0
0.148288062	0.11622	0	0	0	0
0.148288062	0.11622	0	0	0	0
0.006221674	0	0	0	0	0
0.142066388	0.11622	0	0	0	0
0.030691366	0	0	0	0	0
0.044119427	0	0	0	0	0
0.044119427	0	0	0	0	0
2.56388E-05	0	0	0	0	0
2.56388E-05	0	0	0	0	0
2.56388E-05	0	0	0	0	0
1.30837E-05	0	0	0	0	0
1.30837E-05	0	0	0	0	0
0.044080749	0	0	0	0	0
0.000154714	0	0	0	0	0
0.000154714	0	0	0	0	0
0.020317797	0	0	0	0	0
0.020317797	0	0	0	0	0
1.53744E-05	0	0	0	0	0
1.53744E-05	0	0	0	0	0
2.6696E-05	0	0	0	0	0
2.6696E-05	0	0	0	0	0
0.000268106	0	0	0	0	0
0.000268106	0	0	0	0	0
0.000509648	0	0	0	0	0
0.000509648	0	0	0	0	0
0.022788546	0	0	0	0	0
0.079439383	0.83897	0	0	0	0
0.079439383	0.83897	0	0	0	0
0.079439383	0.83897	0	0	0	0
0.07941304	0.83897	0	0	0	0
0.074822952	0.79641	0	0	0	0
0.004590132	0.04256	0	0	0	0
0.004590132	0.04256	0	0	0	0
2.63877E-05	0	0	0	0	0
2.63877E-05	0	0	0	0	0
2.63877E-05	0	0	0	0	0

0.040722643	0	0	0	0	0
0.040722643	0	0	0	0	0
0.040722643	0	0	0	0	0
0.040722643	0	0	0	0	0
0.012769956	0	0	0	0	0
0.012769956	0	0	0	0	0
5.4185E-06	0	0	0	0	0
5.4185E-06	0	0	0	0	0
0.027947269	0	0	0	0	0
0.027947269	0	0	0	0	0
37.09145493	8.79015	94.16171	67.41998	42.3925	87.66037
0.000328899	0	0	0	0	0
0.000328899	0	0	0	0	0
0.000328899	0	0	0	0	0
0.000153128	0	0	0	0	0
0.000153128	0	0	0	0	0
0.000175771	0	0	0	0	0
35.31726665	8.78817	93.74669	67.41708	41.18208	87.63388
35.31726665	8.78817	93.74669	67.41708	41.18208	87.63388
0.347656872	0.09709	0.00304	0	0	0
0.253248678	0.0381	0.00114	0	0	0
0.253248678	0.0381	0.00114	0	0	0
0.000783656	0	0	0	0	0
0.000783656	0	0	0	0	0
0.093624317	0.05899	0.00191	0	0	0
0.003140485	0	0	0	0	0
0.003124537	0	0	0	0	0
0.003124537	0	0	0	0	0
1.59471E-05	0	0	0	0	0
4.966821101	0.09067	9.13561	0.00378	0.38875	0
2.288664229	0.07533	0	0	0.38875	0
2.288664229	0.07533	0	0	0.38875	0
0.002466035	0	0	0	0	0
0.002466035	0	0	0	0	0
2.66711489	0.01534	9.13561	0.00378	0	0
2.353385154	0.01534	9.13561	0.00378	0	0
0.313729736	0	0	0	0	0
1.05286E-05	0	0	0	0	0
1.05286E-05	0	0	0	0	0
0.008565507	0	0	0	0	0
0.008565507	0	0	0	0	0

6.49339E-05	0	0	0	0	0
6.49339E-05	0	0	0	0	0
6.49339E-05	0	0	0	0	0
17.74103564	8.50384	0.48336	0.00545	40.79333	0
12.69156806	6.35812	0	0	29.85994	0
12.69156806	6.35812	0	0	29.85994	0
0.016711938	0	0	0	0	0
0.016711938	0	0	0	0	0
5.032755815	2.14572	0.48336	0.00545	10.9334	0
3.70044E-06	0	0	0	0	0
3.70044E-06	0	0	0	0	0
3.70044E-06	0	0	0	0	0
11.30196432	0.09658	82.85462	67.40786	0	87.63388
2.541959604	0	0.19701	0.0264	0	0
2.541959604	0	0.19701	0.0264	0	0
7.015513656	0.05497	81.57499	67.38146	0	87.63388
7.015513656	0.05497	81.57499	67.38146	0	87.63388
0.291335463	0	0	0	0	0
0.291335463	0	0	0	0	0
1.452615683	0.04161	1.08262	0	0	0
0.000539736	0	0	0	0	0
0.000539736	0	0	0	0	0
0.006361366	0	0	0	0	0
0.006361366	0	0	0	0	0
0.006361366	0	0	0	0	0
0.442932379	0	0	0	0	0
7.04846E-07	0	0	0	0	0
7.04846E-07	0	0	0	0	0
0.442931674	0	0	0	0	0
0.206012555	0	0	0	0	0
0.206010881	0	0	0	0	0
0.206010881	0	0	0	0	0
1.67401E-06	0	0	0	0	0
0.00104185	0	0	0	0	0
2.37004E-05	0	0	0	0	0
2.37004E-05	0	0	0	0	0
0.00075	0	0	0	0	0
0.00075	0	0	0	0	0
0.00026815	0	0	0	0	0
0.167709912	0	0	0	0	0
0.167709912	0	0	0	0	0

0.167709912	0	0	0	0	0
0.128823612	0	1.27005	0	0	0
0.001400925	0	0	0	0	0
0.001400925	0	0	0	0	0
0.127422687	0	1.27005	0	0	0
0.127422687	0	1.27005	0	0	0
0.003697621	0	0	0	0	0
0.003697621	0	0	0	0	0
0.003697621	0	0	0	0	0
1.701168634	0	0.01532	0	1.02962	0.02649
1.701168634	0	0.01532	0	1.02962	0.02649
0.067187181	0	0	0	0	0
0.067187181	0	0	0	0	0
1.18943E-06	0	0	0	0	0
1.18943E-06	0	0	0	0	0
1.633980176	0	0.01532	0	1.02962	0.02649
0.070848678	0	0	0	0.33837	0
0.070848678	0	0	0	0.33837	0
0.078235507	0	0	0	0.49669	0
0.078235507	0	0	0	0.49669	0
0.015587489	0	0	0	0	0
0.015587489	0	0	0	0	0
1.085051718	0	0.01532	0	0.19455	0.02649
1.085051718	0	0.01532	0	0.19455	0.02649
0.37902185	0	0	0	0	0
0.37902185	0	0	0	0	0
3.52423E-07	0	0	0	0	0
3.52423E-07	0	0	0	0	0
0.005234493	0	0	0	0	0
0.005234493	0	0	0	0	0
0.066878546	0.00197	0.39115	0.0029	0.1808	0
0.062693965	0.00197	0.39115	0.0029	0	0
0.061961498	0.00197	0.39115	0.0029	0	0
0.003657753	0	0	0	0	0
0.003657753	0	0	0	0	0
0.000599383	0	0	0	0	0
0.000599383	0	0	0	0	0
0.004196476	0	0	0	0	0
0.004196476	0	0	0	0	0
0.000343833	0	0	0	0	0
0.000343833	0	0	0	0	0

0.000870661	0	0	0	0	0
0.000870661	0	0	0	0	0
2.28634E-05	0	0.00158	0	0	0
2.28634E-05	0	0.00158	0	0	0
0.032591454	0	0.23379	0.0029	0	0
0.032591454	0	0.23379	0.0029	0	0
7.44493E-06	0	0	0	0	0
7.44493E-06	0	0	0	0	0
0.006659207	0	0	0	0	0
0.006659207	0	0	0	0	0
0.006398987	0.00197	0.11951	0	0	0
0.006613524	0	0.03627	0	0	0
0.006613524	0	0.03627	0	0	0
0.000732423	0	0	0	0	0
0.000732423	0	0	0	0	0
0.000732423	0	0	0	0	0
0.004184581	0	0	0	0.1808	0
0.004184581	0	0	0	0.1808	0
2.95154E-06	0	0	0	0	0
2.95154E-06	0	0	0	0	0
0.000496432	0	0	0	0	0
0.000496432	0	0	0	0	0
0.00111837	0	0	0	0.1808	0
0.00111837	0	0	0	0.1808	0
7.06608E-05	0	0	0	0	0
7.06608E-05	0	0	0	0	0
8.01762E-06	0	0	0	0	0
8.01762E-06	0	0	0	0	0
2.20264E-06	0	0	0	0	0
2.20264E-06	0	0	0	0	0
0.00037674	0	0	0	0	0
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0.002109207	0	0	0	0	0
0.00581207	0	0.00855	0	0	0
0.00581207	0	0.00855	0	0	0
0.005805727	0	0.00855	0	0	0
0.005514846	0	0.00855	0	0	0
0.005514846	0	0.00855	0	0	0
0.000290925	0	0	0	0	0
6.34361E-06	0	0	0	0	0
6.34361E-06	0	0	0	0	0

6.34361E-06	0	0	0	0	0
7.4978E-05	0	0	0	0	0
7.4978E-05	0	0	0	0	0
7.4978E-05	0	0	0	0	0
7.4978E-05	0	0	0	0	0
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7.4978E-05	0	0	0	0	0
7.4978E-05	0	0	0	0	0
0.164324581	0.00652	0	0	0	0
0.164324581	0.00652	0	0	0	0
0.164324581	0.00652	0	0	0	0
0.164324581	0.00652	0	0	0	0
0.164324581	0.00652	0	0	0	0
0.164324581	0.00652	0	0	0	0
0.164324581	0.00652	0	0	0	0
0.0052037	0	0	0	0.00909	0
0.0052037	0	0	0	0.00909	0
5.55066E-06	0	0	0	0	0
5.55066E-06	0	0	0	0	0
5.55066E-06	0	0	0	0	0
5.55066E-06	0	0	0	0	0
0.00519815	0	0	0	0.00909	0
0.00519815	0	0	0	0.00909	0
0.00201207	0	0	0	0.00909	0
0.00201207	0	0	0	0.00909	0
0.000375286	0	0	0	0	0
0.000375286	0	0	0	0	0
0.000375286	0	0	0	0	0
0.000375286	0	0	0	0	0
3.22026E-05	0	0	0	0	0
3.22026E-05	0	0	0	0	0
3.22026E-05	0	0	0	0	0
0.002778634	0	0	0	0	0
0.002778634	0	0	0	0	0
0.002546079	0	0	0	0	0
0.002546079	0	0	0	0	0
0.000232555	0	0	0	0	0
0.000232555	0	0	0	0	0
0.725401233	0.00118	0	0	0	0
0.725401233	0.00118	0	0	0	0
0.725401233	0.00118	0	0	0	0

0.634820705	0.00118	0	0	0	0
0.354570661	0	0	0	0	0
0.001488502	0	0	0	0	0
0.001488502	0	0	0	0	0
8.04846E-05	0	0	0	0	0
0.001408018	0	0	0	0	0
0.03952533	0	0	0	0	0
0.03952533	0	0	0	0	0
0.03952533	0	0	0	0	0
6.1674E-06	0	0	0	0	0
6.1674E-06	0	0	0	0	0
0.121575507	0	0	0	0	0
0.005641454	0	0	0	0	0
0.005641454	0	0	0	0	0
0.115724934	0	0	0	0	0
0.115724934	0	0	0	0	0
0.000209119	0	0	0	0	0
0.000209119	0	0	0	0	0
0.153429471	0	0	0	0	0
0.153429471	0	0	0	0	0
0.153429471	0	0	0	0	0
0.000693348	0	0	0	0	0
0.000693348	0	0	0	0	0
0.037852379	0	0	0	0	0
0.032505903	0	0	0	0	0
0.032505903	0	0	0	0	0
0.005346476	0	0	0	0	0
0.005346476	0	0	0	0	0
0.091810441	0	0	0	0	0
0.002351938	0	0	0	0	0
0.002351938	0	0	0	0	0
0.086964097	0	0	0	0	0
8.72247E-06	0	0	0	0	0
0.086955374	0	0	0	0	0
0.086955374	0	0	0	0	0
0.002494405	0	0	0	0	0
0.002494405	0	0	0	0	0
0.002494405	0	0	0	0	0
0.188439559	0.00118	0	0	0	0
0.001448855	0.00118	0	0	0	0
0.001448855	0.00118	0	0	0	0

0.001363568	0	0	0	0	0
0.000250441	0	0	0	0	0
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0.000247974	0	0	0	0	0
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0.000790749	0	0	0	0	0
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7.44053E-05	0	0	0	0	0
7.44053E-05	0	0	0	0	0
0.078696079	0	0	0	0	0
0.001260132	0	0	0	0	0
0.001260132	0	0	0	0	0
0.01215815	0	0	0	0	0
0.01215815	0	0	0	0	0
0.041189736	0	0	0	0	0
0.041189736	0	0	0	0	0
0.001421233	0	0	0	0	0
0.001421233	0	0	0	0	0
1.95595E-05	0	0	0	0	0
1.95595E-05	0	0	0	0	0
0.011122907	0	0	0	0	0
0.011122907	0	0	0	0	0
0.001250176	0	0	0	0	0
0.001250176	0	0	0	0	0
0.002824934	0	0	0	0	0
0.002824934	0	0	0	0	0
0.000284581	0	0	0	0	0
0.000284581	0	0	0	0	0
0.000112643	0	0	0	0	0
0.000112643	0	0	0	0	0
0.000795639	0	0	0	0	0
0.000795639	0	0	0	0	0
0.000127004	0	0	0	0	0
0.000127004	0	0	0	0	0
9.4185E-05	0	0	0	0	0
9.4185E-05	0	0	0	0	0
0.000220925	0	0	0	0	0
0.000220925	0	0	0	0	0
8.54185E-05	0	0	0	0	0
8.54185E-05	0	0	0	0	0
0.000582335	0	0	0	0	0

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0.000437533	0	0	0	0	0
0.000437533	0	0	0	0	0
0.00106837	0	0	0	0	0
0.00106837	0	0	0	0	0
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0.000555066	0	0	0	0	0
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0.000696167	0	0	0	0	0
0.000696167	0	0	0	0	0
0.106931013	0	0	0	0	0
0.106931013	0	0	0	0	0
0.106931013	0	0	0	0	0
2.20264E-06	0	0	0	0	0
2.20264E-06	0	0	0	0	0
2.20264E-06	0	0	0	0	0
2.20264E-06	0	0	0	0	0
0.090578282	0	0	0	0	0
0.070220617	0	0	0	0	0
0.070220617	0	0	0	0	0
0.0005463	0	0	0	0	0
0.0005463	0	0	0	0	0
0.069674361	0	0	0	0	0
0.069674361	0	0	0	0	0
0.020016167	0	0	0	0	0
0.020016167	0	0	0	0	0
0.020016167	0	0	0	0	0
0.020016167	0	0	0	0	0
5.57269E-05	0	0	0	0	0
2.04405E-05	0	0	0	0	0
2.04405E-05	0	0	0	0	0
2.04405E-05	0	0	0	0	0
3.52863E-05	0	0	0	0	0
3.52863E-05	0	0	0	0	0
3.52863E-05	0	0	0	0	0
0.000285771	0	0	0	0	0

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0.000285771	0	0	0	0	0
0	0	0	0	0	0

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0.23984	0	0	0	0	0	0.1174	0.00064
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0.23984	0	0	0	0	0	0.1174	0.00064
0.23984	0	0	0	0	0	0.06653	0.00064
0.23984	0	0	0	0	0	0.06653	0.00064
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0.00785	0	0	0	0.00177	0.00363	0.00728	0.00728
0.00785	0	0	0	0.00177	0.0021	0.00486	0.00486
0	0	0	0	0	0.00153	0.00242	0.00242
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0.00153	0.00242	0.00242
0	0	0	0	0	0.00153	0.00242	0.00242
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0	0	0	0	0	0	0	0
0	0.00962	8.00E-05	0	0	0	58.77235	5.74057

0	0.00962	8.00E-05	0	0	58.77235	5.74057
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0	0.00962	8.00E-05	0	0	58.61983	5.74057
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0	0.00962	8.00E-05	0	0	2.15001	5.74057
0	0.00962	8.00E-05	0	0	2.15001	5.74057
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0	0	0	0	0	0.23064	66.81306
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0	0	0	0	0	0.23064	56.27062

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48.60601	96.46651	93.75772	99.93621	95.72918	2.178	3.21873
26.55305	96.45522	20.28674	99.93621	95.72675	1.03121	1.2335
1.81858	2.66352	8.77952	0.0616	64.58208	0.14909	1.01094
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0.00796	0.01661	0.00592	0.0157	0.00283	0	0
0.00796	0.01661	0.00592	0.0157	0.00283	0	0
0.00796	0.01661	0.00592	0.0157	0.00283	0	0
0.00796	0.01661	0.00592	0.0157	0.00283	0	0
0	0	0	0	0	0	0
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1.81062	2.64691	8.7736	0.0459	64.57926	0.14909	1.01094
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.81062	2.64691	8.7736	0.0459	64.57926	0.14909	1.01094
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0	0.71746	0	0	0	0	0
1.81062	1.64064	6.32254	0.0459	59.51028	0.14874	1.01094
1.81062	1.64064	6.32254	0.0459	59.51028	0.14874	1.01094
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0	0	0	0	0.1598	0	0
0	0	2.45106	0	4.90918	0.00034	0
0	0	2.45106	0	4.90918	0.00034	0
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0	0.28881	0	0	0	0	0

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0	0	0	0	0.0706	0.05935	0.00059
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7.51392	0.93119	11.24246	99.87462	0.00392	0.80562	0.22197	
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7.51392	0.93119	11.24246	99.87462	0.00392	0.78039	0.22197	
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0.01237	0.00545	0.02702	0.0806	0.00111	0.05477	0.0129	
0.01237	0.00545	0.02702	0.0806	0.00111	0.05477	0.0129	
0.59582	0	3.75839	15.52006	0.00071	0.23495	0	
0.59582	0	3.75839	15.52006	0.00071	0.23495	0	
0	0	0	0	0	0.00745	0	

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4.03204	0	31.26762	0	0	0	0.01089	0
4.03204	0	31.26762	0	0	0	0.01089	0
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0	0	0.00477	0.02365	0.01056	0.0067	0.01443	0.01443
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0	0.53034	0	0.03271	52.76579	7.16419	69.15887
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0	0	0	0	52.76579	2.15458	49.51145
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0	0.02132	0.08283	0	0	0.29791	0.11705
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0	0	0	0	0	0.1122	0.10933
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0	0	0	20.53109	0	26.5253	0.83211
0	0	0	19.9351	0	24.47793	0.83211
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0	0	0	19.9351	0	24.47793	0.83211
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0	77.4604	0	0.01022	27.123	2.39589	0.0069
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0	0	56.54722	40.64369	0	0	0.83439
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0	0	0	0.18112	0.46827	0.14896	0
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0	0	0	0.18112	0.46529	0.14896	0
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0	0	0.01907	0	0	0	0.05707
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0	0.0117	0	0.10528	0.53351	0	0.00075
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0	0.0117	0	0.10528	0.53351	0	0.00075
0	0.0117	0	0.10528	0.53351	0	0
0	0.0117	0	0.10528	0.53351	0	0
0	0	0	0	0	0	0.00075
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0	0	0	0.45084	0	0.08425	1.26975
0	0	0	0	0	0.08425	0
0	0	0	0.45084	0	0	1.26975
0	0	0	0	0	0	0.00066
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0	0	0	0.45084	0	0	1.2691
0	0	0	0.45084	0	0	1.2691
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	18.32873	3.8308	63.45141	23.7495	0	7.77617

0	18.32873	3.8308	63.45141	23.7495	0	7.77617
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	18.32873	3.8308	63.45141	23.7495	0	7.77617
0	0	0	0	0.00084	0	0
0	0	0	0	0.00084	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.48588	0	0
0	0	0	0	0.48588	0	0
0	17.71739	0	0	0	0	0.08487
0	17.71739	0	0	0	0	0.08487
0	0	0.314	0	0.04458	0	0
0	0	0.314	0	0.04458	0	0
0	0.53604	0	0	0	0	0
0	0.53604	0	0	0	0	0
0	0.0753	3.08523	63.45141	17.4064	0	7.6913
0	0.0753	3.08523	63.45141	17.4064	0	7.6913
0	0	0	0	0	0	0
0	0	0.43157	0	5.8118	0	0
0	0	0.43157	0	5.8118	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.20917	0.09415	0.00678	0.02163	0	0
0	0.20917	0.09415	0.00678	0.02163	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0.1518	0.09415	0.00615	0.02163	0	0
0	0.0029	0	0	0.001	0	0
0	0.0029	0	0	0.001	0	0
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0	0.14891	0.09415	0.00615	0.02063	0	0
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0	0	0	0	0	0	0
0	0.01643	30.72435	5.99807	44.66606	19.03095	0
0	0.01643	30.72435	5.99807	44.66606	19.03095	0
0	0.01643	30.72435	5.99807	44.66606	19.03095	0
0	0	30.17778	5.76806	44.66199	19.03095	0
0	0	30.17778	5.76806	44.66199	19.03095	0

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0	0	0.25313	0	0.68789	0	0	0
0	0	0.25313	0	0.68789	0	0	0
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0	0	20.34063	0.58741	43.81654	0	0	0
0	0	20.34063	0.58741	43.81654	0	0	0
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0	0	0.19796	0	0.15154	0	0	0
0	0	0	0.02046	0	19.03095	0	0

0	0	0	0.02046	0	19.03095	0
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0	0	0	4.16169	0.00602	0	0
0	0	0	4.16169	0.00602	0	0
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0	0	0.12704	0.10046	0	0	0
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0	0	0	0.10722	0.00406	0	0
0	0	0	0.10722	0.00406	0	0
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0	0	0	0	0	0	0
28.80024	0.05848	0.77074	0.71044	0.00095	51.68652	1.40609
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
28.80024	0.05848	0.77074	0.71044	0.00095	51.68652	1.40609
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0	0	0	0	0	0	0
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0	0	0.2583	0	0	0	0
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0	0	0	0	0.00095	0	0
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0	0.01499	0	0	0	0	0
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0	0	0	0	0	0	0
0.24811	0.0038	0.03791	0.06392	0	0	0
0.24811	0.0038	0.03791	0.06392	0	0	0
12.23766	0.01834	0	0.04123	0	0	0.02385
12.23766	0.01834	0	0.04123	0	0	0.02385
0	0.00064	0	0	0	0	0

0	0.00064	0	0	0	0	0
0	0	0	0.03478	0	0	0
0	0	0	0.03478	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
16.11886	0	0.47452	0.04386	0	0.4972	0.52493
16.11886	0	0.47452	0.04386	0	0.4972	0.52493
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0.01647	0	0	0	0	0
0	0.01647	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.19561	0	0	0.00238	0	51.18933	0.8573
0.19561	0	0	0.00238	0	51.18933	0.8573
70.75073	36.20982	0	0.32303	0.00743	0	2.09398
70.75073	36.20982	0	0.32303	0.00743	0	2.09398
0	19.55154	0	0.15609	0	0	2.08688
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0	0	0	0	0	0	0
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0	19.55154	0	0.15609	0	0	2.08688
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0	13.38981	0	0	0	0	0
0	13.38981	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0.00945	0	0.15609	0	0	2.08688
0	0.00945	0	0.15609	0	0	2.08688
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0	13.85846	0	0	0.00743	0	0
0	0.00619	0	0	0	0	0
0	0.00619	0	0	0	0	0
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0	13.58144	0	0	0.00743	0	0
0	13.58144	0	0	0.00743	0	0
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0	0.27083	0	0	0	0	0
0	0.27083	0	0	0	0	0
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0	0.00492	0	0	0	0	0
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70.75073	1.32947	0	0	0	0	0
70.75073	1.32835	0	0	0	0	0
70.75073	0	0	0	0	0	0
70.75073	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0.61101	0	0	0	0	0
0	0.71733	0	0	0	0	0
0	0	0	0	0	0	0
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0	0.00112	0	0	0	0	0

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0	0.0272	0	0	0	0	0
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0	0	0	0	0	0	0
0	3.4752	0	0.86863	0.03293	0	3.63032
0	3.4752	0	0.86863	0.03293	0	3.63032
0	0	0	0.00244	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00244	0	0	0
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0	0	0	0.00244	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	3.4752	0	0.86618	0.03293	0	3.63032
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.0001	0	0	0
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0	0.00373	0	0	0	0	0
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0	0	0	0	0	0	0
0	3.47147	0	0.86608	0.03293	0	3.63032
0	0.4283	0	0	0.01383	0	0.22859
0	0.4283	0	0	0.01383	0	0.22859
0	0.3847	0	0.01083	0	0	0.67956
0	0.3847	0	0.01083	0	0	0.67956
0	0.77218	0	0.03212	0	0	0.18347
0	0	0	0	0	0	0
0	0.77218	0	0.03212	0	0	0.18347
0	0	0	0.82313	0.0191	0	0
0	0	0	0.82313	0.0191	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.44915
0	0	0	0	0	0	0.44915
0	1.88629	0	0	0	0	2.08956
0	0.05413	0	0.00492	0	0	0
0	0.05413	0	0.00492	0	0	0
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0	0.05413	0	0.00492	0	0	0
0	0.0358	0	0.00492	0	0	0
0	0.0358	0	0.00492	0	0	0
0	0.01833	0	0	0	0	0
0	0.01833	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0.00965	0	0	0
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0	0	0	0	0	0	0
0	0	0	0.00965	0	0	0
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0.3813	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.3813	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.18766	0	0	0	0	0	0
0.18766	0	0	0	0	0	0
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0.04792	23.3161	59.56102	12.23993	30.91838	18.86695	73.30147
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0	22.95977	59.40535	12.18964	30.91838	6.60273	73.20104
0	22.95977	59.40535	12.18964	30.91838	6.60273	73.20104
0	0.01167	0	0	0	0	0
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0	0	0	15.05206	0	8.97225	0.21586
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0	0	0	0.07836	0.05844	0.0023	0.01586
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0	0	0.00865	0	0	0	0.44721
0	0	0.00865	0	0	0	0.44721
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0	0	0	0	0	0	0
9.73763	0	0	0.16931	3.10084	39.2743	79.13577

9.73763	0	0	0.16931	3.10084	39.2743	79.13577
0	0	0	0	0.0053	0	0
0	0	0	0	0.0053	0	0
0	0	0	0	0.0053	0	0
9.73763	0	0	0.16931	3.09553	39.2743	79.13577
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0	0	0	0.07329	0	0	15.41345
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0	0	0	0.00983	1.75532	0	63.72232
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9.73763	0	0	0.08619	1.27578	39.2743	0
9.73763	0	0	0.08619	1.27578	39.2743	0
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0	0	0	6.50622	0.05464	0.00382	0
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66.4258	0	0	43.95454	24.48327	0	0
66.4258	0	0	43.95454	24.48327	0	0
66.4258	0	0	43.95454	24.48327	0	0
56.14425	0	0	39.00087	24.48327	0	0
56.14425	0	0	39.00087	24.48327	0	0

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49.89507	0	0	26.92311	24.33145	0	0	0
49.89507	0	0	26.92311	24.33145	0	0	0
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4.3736	0	0	0.04457	0	0	0	0
4.3736	0	0	0.04457	0	0	0	0
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0	0	0	11.93921	0	0	0	0
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1.87474	0	0	0.05153	0.15182	0	0
1.87474	0	0	0.05153	0.15182	0	0
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10.28155	0	0	4.94893	0	0	0
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10.28155	0	0	4.94893	0	0	0
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10.28155	0	0	4.65744	0	0	0
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1.51635	40.65306	33.39347	0.9082	11.03428	16.87915	3.31851
0.7368	40.18901	1.53564	0.62347	1.9581	0.86084	3.30831
0.50137	0.00052	0.21012	0.45034	0.02298	0	2.12321
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0	0.00052	0.01127	0.00565	0	0	0.00419
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0.50137	0	0.19885	0.44469	0.02298	0	2.11903
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0.50137	0	0.19885	0.44469	0.02298	0	2.11903
0.06049	0	0.0764	0	0.0007	0	0.22647
0.06049	0	0.0764	0	0.0007	0	0.22647
0.41066	0	0.08769	0.44469	0.00351	0	1.79445
0.41066	0	0.08769	0.44469	0.00351	0	1.79445
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03023	0	0.03476	0	0.01876	0	0.09811
0.03023	0	0.03476	0	0.01876	0	0.09811
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0.23543	40.18849	1.32551	0.17313	1.93513	0.86084	1.1851
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0	0	0	0	0	0.00748	0
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0	0	0	0	0	0.00748	0
0	0	0	0	0	0.00034	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.00713	0
0	32.49808	1.25915	0.09215	0.03166	0.2944	0
0	32.49808	1.25915	0.09215	0.03166	0.2944	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.06173	0
0	0	0	0	0	0.06173	0
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0	0	0	0	0	0	0
0	0	0.64759	0.00422	0.00632	0.00468	0
0	0	0.64759	0.00422	0.00632	0.00468	0
0	32.49808	0.61156	0	0.02534	0	0
0	32.49808	0.61156	0	0.02534	0	0
0	0	0	0	0	0.22799	0
0	0	0	0	0	0.22799	0
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0.77955	0	0	0	0.15921	0	0
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0	0	0	0.09529	1.66142	1.14772	0	
0	0	0	0.09529	1.66142	1.14772	0	
0	0.08536	0.00101	0.01652	2.49677	2.56322	0	
0	0.08536	0.00101	0.01652	2.49677	2.56322	0	
0	0.00361	10.01067	0.06479	0.36884	0.93787	0.00696	
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0	0.00361	10.01067	0.06479	0.36884	0.93787	0.00696	
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0	0.37509	21.81592	0.03101	3.37423	4.97021	0.00323	
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0.16001	0	0	0	0.09331	0	0
0.16001	0	0	0	0.09331	0	0
0.16001	0	0	0	0.09331	0	0

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0.15803	0	0	0	0.09331	0	0
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CH6LXC	CH6S1C	CH7K1Ca	CH7K1Cb	CH7OBC	CH7PGC	CH7V4C
100	99.97686	100	100	99.89495	99.96749	100
0.11669	0.02484	0	0.42285	8.47705	32.03355	8.44292
0.11669	0.02484	0	0.42285	8.47705	32.03355	8.44292
0.11669	0.02484	0	0.03537	0.58261	0	0.07519
0	0	0	0.03537	0.30298	0	0.06196
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0	0	0	0.03537	0.30298	0	0.06196
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0	0	0	0	0.06272	0	0.00344
0	0	0	0	0.06272	0	0.00344
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0	0	0	0.03537	0.24026	0	0
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0	0	0	0	0	0	0.05852
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0.00046	0	0	0	0.0061	0	0
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0	0.02484	0	0	0.27352	0	0.01323
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0	0.02484	0	0	0.27352	0	0.01323
0	0.02484	0	0	0.18561	0	0.01323
0	0.02484	0	0	0.18561	0	0.01323
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0.11624	0	0	0	0	0	0
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0	0	0	0.00351	7.89444	32.03355	1.15879

0	0	0	0.00351	7.89444	32.03355	1.15879
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0.07138	68.27052	8.02185	21.76667	5.02873	0.34992	0.29523
0.07138	68.27052	8.02185	21.76667	5.02873	0.34992	0.29523
0.07138	68.27052	8.02185	21.76667	5.02873	0.34992	0.29523
0.03384	68.27052	8.02185	21.76667	0	0.33828	0
0.03384	68.27052	8.02185	21.76667	0	0.33828	0

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0.03384	68.27052	8.02185	0.21365	0	0.33828	0
0.03384	68.27052	8.02185	0.21365	0	0.33828	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0.29523
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.29523
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03754	0	0	0	0	0.01164	0
0.00517	0	0	0	0	0	0
0.00517	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03237	0	0	0	0	0.01164	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
17.12299	0.77694	0.12583	2.51464	5.61912	25.33181	0.2025	
0	0	0	0	0.00206	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0.00206	0	0	
0	0	0	0	0.00206	0	0	
17.12299	0.77694	0.12583	2.51464	5.61707	25.33181	0.2025	
0	0	0	0	0	0.39508	0	
0	0	0	0	0	0.39508	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	
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0	0	0	0	0	0.00073	0	
0	0	0	0	0	0.00073	0	
0	0	0	0	1.65297	0	0	
0	0	0	0	1.65297	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0.00049	0.05929	0	0.00189	0.13047	0.04627	0	
0.00049	0.05929	0	0.00189	0.13047	0.04627	0	
0	0.03247	0	0	2.42712	0	0.00675	
0	0.03247	0	0	2.42712	0	0.00675	
0	0	0	0	0	0	0	

0	0	0	0	0	0	0
0	0	0	0	0.93255	0	0
0	0	0	0	0.93255	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
17.1225	0.65692	0.04108	0.18004	0.28523	17.95045	0.14517
17.1225	0.65692	0.04108	0.18004	0.28523	17.95045	0.14517
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0.01348	0.6573	0
0	0	0	0	0.17525	0	0
0	0	0	0	0.17525	0	0
0	0.02826	0.08475	2.3327	0	6.28199	0.05058
0	0.02826	0.08475	2.3327	0	6.28199	0.05058
0	0	0.42871	4.79563	0	0.13305	50.55599
0	0	0.42871	4.79563	0	0.13305	50.55599
0	0	0.42871	3.42583	0	0.13305	23.16991
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.42871	3.42583	0	0.13305	23.16991
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1.08959	0	0	9.32917
0	0	0	1.08959	0	0	0
0	0	0	0	0	0	9.32917
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	2.24636	0	0	6.6301
0	0	0	2.24636	0	0	6.6301

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0	0	0	0	0	0	0
0	0	0	0	0	0	3.53401
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.83038	0	0	3.04223
0	0	0	0.49475	0	0	0.00555
0	0	0	0	0	0	0.00027
0	0	0	0	0	0	0.00027
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.46917	0	0	0
0	0	0	0.46917	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0.01652
0	0	0	0	0	0	0.01652
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.53941	0	0	0.99998
0	0	0	0.53941	0	0	0.99998
0	0	0	0.15296	0	0	0
0	0	0	0.15296	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.38645	0	0	0.99998
0	0	0	0.38645	0	0	0.99998
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	19.80986
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	19.80986
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	19.80986
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.44694	0	0	6.03294
0	0	0	0.44694	0	0	6.03294
0	0	0	0.44694	0	0	6.03294
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0.39035	0	0	5.60818
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.39035	0	0	5.60818
0	0	0	0.05659	0	0	0.42476
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
7.4787	30.8936	90.24629	47.96643	8.76389	0.22866	26.81646
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.01598	0	0	0
0	0	0	0.01598	0	0	0
0	0	0	0	0	0	0
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0	0	0	0.01598	0	0	0
0	0	0	0.01598	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	2.68642	0	0.00485
0	0	0	0	2.68642	0	0.00485
0	0	0	0	2.68642	0	0.00485
0	0	0	0	2.68642	0	0.00485
0	0	0	0	2.68642	0	0.00485
0	0	0	0	2.68642	0	0.00485
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
7.4787	30.8936	90.24629	47.95045	6.07748	0.22866	26.81162
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.12063	30.31034	90.24423	47.64886	0.01253	0.16895	26.81162
0.12063	30.31034	90.24423	47.64886	0.01253	0.16895	26.81162
0	0	0	0	0	0	0.0194
0	0	0	0	0	0	0.011
0	0	0	0	0	0	0.011
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.0084
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	28.40025	0	0.28706	0.00938	0.06922	1.85427
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	28.40025	0	0.28706	0.00938	0.06922	1.85427
0	28.40025	0	0.28706	0.00938	0.06922	1.85427
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.02314	0	0	0	0	0
0	0.02314	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.02314	0	0	0	0	0
0	0.02314	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.02314	0	0	0	0	0
0	0.02314	0	0	0	0	0
0	0.02314	0	0	0	0	0
0	0.02314	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.10505	0.03251	0
0	0	0	0	0.10505	0.03251	0
0	0	0	0	0.10505	0.03251	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

CH7YJC	CH86BC	CH8EFC	CH8FVC	CH8KEC	CH9AQC	CH9BGC
99.73253	100	99.98837	100	97.2401	98.75879	92.29986
8.99836	86.22875	96.09193	87.70379	0.00395	26.42766	2.21901
8.99836	86.22875	96.09193	87.70379	0.00395	26.42766	2.21901
0.00081	0.01065	0	0.14384	0.00395	0.02854	0
0	0	0	0	0	0.02625	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.02625	0
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0	0	0	0	0	0	0
0	0	0	0	0	0.02625	0
0	0	0	0	0	0.02625	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00177	0	0.0086	0	0	0
0	0.00177	0	0.0086	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00177	0	0.0086	0	0	0

0	0.00177	0	0.0086	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00081	0.00888	0	0.10606	0.00327	0.00229	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00081	0.00888	0	0.10606	0.00327	0.00229	0
0.00024	0.00888	0	0.10606	0.00094	0.00173	0
0.00024	0.00888	0	0.10606	0.00094	0.00173	0
0.00057	0	0	0	0.00234	0.00055	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0.02918	0.00068	0	0
0	0	0	0.01035	0	0	0
0	0	0	0.01883	0.00068	0	0
0	0	0	0.01883	0	0	0
0	0	0	0.01883	0	0	0
0	0	0	0	0.00068	0	0
0	0	0	0	0.00068	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
8.47876	86.21809	96.09193	87.55074	0	26.39253	1.78515

8.47876	86.21809	96.09193	87.55074	0	26.39253	1.78515
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
8.47876	86.21809	96.09193	87.55074	0	26.39253	1.7751
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.82934	17.3323	3.12189	14.62667	0	7.58008	0.01936
0.82934	17.3323	3.12189	14.62667	0	7.58008	0.01936
0.22755	0	88.30954	0	0	14.83206	1.06139
0.22755	0	88.30954	0	0	14.83206	1.06139
0	0	0	0	0	0.00233	0
0	0	0	0	0	0.00233	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
7.38248	68.88579	4.6605	72.92406	0	3.97805	0.69435
7.38248	68.88579	4.6605	72.92406	0	3.97805	0.69435
0	0	0	0	0	0	0
0.03939	0	0	0	0	0	0
0.03939	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.51879	0	0	0.00922	0	0.00659	0.43387
0.51879	0	0	0.00922	0	0.00659	0.43387
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0.00246	0	0	0	0	0.00099	0.00131
0	0	0	0	0	0	0
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0.00246	0	0	0	0	0.00099	0
0.00246	0	0	0	0	0.00099	0
0	0	0	0	0	0	0.00131
0	0	0	0	0	0	0.00131
0.51633	0	0	0	0	0.0056	0.43256
0	0	0	0	0	0.0056	0.43256
0	0	0	0	0	0.0056	0.43256
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0.51633	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0.00922	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
1.28684	0	0.92727	0.00999	40.13039	0.08425	2.02974
1.28684	0	0.92727	0.00999	40.13039	0.08425	2.02974
1.28684	0	0.92727	0.00999	40.13039	0.08425	2.02974
0.79386	0	0.92611	0.00999	40.13039	0.02058	0.9572
0.79386	0	0.92611	0.00999	40.13039	0.02058	0.9572

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0	0	0	0	0	0	0
0	0	0.92611	0.00999	20.26736	0.01025	0.14893
0	0	0.92611	0.00999	20.26736	0.01025	0.14893
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0	0	0	0	0.07247	0	0
0	0	0	0	0.07247	0	0
0.04601	0	0	0	0	0	0.19046
0.04601	0	0	0	0	0	0.19046
0.35545	0	0	0	0	0	0.0617

0.35545	0	0	0	0	0	0.0617
0	0	0	0	0	0	0
0.3924	0	0	0	0	0.01033	0.22452
0.3924	0	0	0	0	0.01033	0.22452
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0.49298	0	0.00115	0	0	0.06367	1.04376
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0	0	0	0	0	0.06367	0
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0.49298	0	0	0	0	0	0.63361
0.22566	0	0	0	0	0	0.08733
0.22566	0	0	0	0	0	0.08733
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0.26732	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0.00273
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0	0	0	0	0	0	0.00273
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0	0	0	0	0	0	0
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86.74797	13.75181	1.27148	6.90902	3.7385	66.35788	14.39666	
69.46873	0.25418	1.25167	6.90902	0.95199	3.80116	1.69177	
0	0.00915	0.05394	3.89163	0.56571	0	0.0095	
0	0	0	0.02007	0	0	0	
0	0	0	0.02007	0	0	0	
0	0	0	0.02007	0	0	0	
0	0	0	0.02007	0	0	0	
0	0.0011	0.00046	0.02765	0	0	0	
0	0.0011	0.00046	0.02765	0	0	0	
0	0.0011	0	0.02543	0	0	0	
0	0.0011	0	0.02543	0	0	0	
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0	0	0.00046	0.00222	0	0	0	
0	0.00804	0.05348	3.84391	0.56571	0	0.0095	
0	0	0	0	0	0	0.0095	
0	0	0	0	0	0	0.0095	
0	0	0	0	0	0	0.0095	
0	0.00804	0.05348	3.84391	0.56571	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0.00804	0.05348	3.18379	0.46188	0	0	
0	0.00804	0.05348	3.18379	0.46188	0	0	
0	0	0	0	0	0	0	
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0	0	0	0.57645	0	0	0	
0	0	0	0.57645	0	0	0	

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9.69561	0	0.38484	0	0	0	0.31866
9.50102	0	0.38484	0	0	0	0.31866
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0	0	0.24639	0	0	0	0
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0	0	0	0	0	0	0.09327
0	0	0	0	0	0	0.09327
0	0	0.06287	0	0	0	0.16717
0	0	0.06287	0	0	0	0.16717
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0.01102	0	0	0	0	0	0
0.01102	0	0	0	0	0	0
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9.49001	0	0.06848	0	0	0	0
9.49001	0	0.06848	0	0	0	0
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0	0	0.00048	0	0	0	0
0	0	0.00048	0	0	0	0
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0	0	0	0	0	0	0.05822
0	0	0	0	0	0	0.05822

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0	0	0.00663	0	0	0	0
0.19459	0	0	0	0	0	0
0.19459	0	0	0	0	0	0
0.19459	0	0	0	0	0	0
2.10958	0	0	0	0	0	0
2.10958	0	0	0	0	0	0
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0	0	0	0	0	0	0
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57.6117	0.19746	0.72743	3.01739	0.38627	2.84195	0.299
57.58105	0	0	0	0	2.66737	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
57.58105	0	0	0	0	2.66737	0
57.58105	0	0	0	0	2.66737	0
0.03065	0.19746	0.72743	3.01739	0.38627	0.17457	0.299
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0	0	0	0	0	0	0
0.00233	0.07052	0.00825	0.01436	0.00135	0.00738	0.00037
0.00233	0.07052	0.00825	0.01436	0.00135	0.00738	0.00037
0.01086	0	0.71918	2.39025	0.13046	0.02267	0.03769
0.01086	0	0.71918	2.39025	0.13046	0.02267	0.03769
0	0	0	0	0	0	0

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0.00223	0	0	0	0	0.00801	0
0.00223	0	0	0	0	0.00801	0
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0.01523	0.11694	0	0.61278	0.25446	0.06384	0.04001
0.01523	0.11694	0	0.61278	0.25446	0.06384	0.04001
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0	0.01001	0	0	0	0	0.22093
0	0.01001	0	0	0	0	0.22093
10.0332	0	0.01202	0	1.98899	37.42867	3.18369
10.0332	0	0.01202	0	1.98899	37.42867	3.18369
7.91912	0	0.01202	0	1.98899	6.89811	1.79431
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7.91912	0	0.01202	0	1.98899	6.89811	0.30366
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0	0	0	0	0	1.29094	0.30366
0	0	0	0	0	1.29094	0.30366
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7.91912	0	0	0	0	0.47083	0
7.91912	0	0	0	0	0.47083	0
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0	0	0	0	0	0.91296	0

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0	0	0	0	0	2.84374	0.32074
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0	0	0	0	0	0.11597	0
0	0	0	0	0	0.11597	0
0	0	0	0	0	2.72777	0.32074
0	0	0	0	0	2.72777	0.32074
0	0	0	0	0	2.72777	0.32074
0	0	0	0	0	14.94697	0
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1.64897	0	0	0	0	3.55274	0.39372
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1.44555	0	0	0	0	2.68589	0
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1.3894	0	0	0	0	2.33088	0
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0.20342	0	0	0	0	0.34903	0
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0	0	0	0	0	2.10105	0
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0	0	0	0	0	0.68721	0.35706
0	0	0	0	0	0.68721	0.35706
0	0	0	0	0	0.68721	0.03707
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0.46511	0	0	0	0	6.39886	0.31785
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0.46511	0	0	0	0	0	0
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2.69936	0.01944	1.6977	5.37719	53.36726	5.88899	73.65446
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1.87637	0	0	0.00488	0	0.06924	0.08452
1.87637	0	0	0	0	0.06924	0.08452
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0	0	0	0	0	0	0
1.87637	0	0	0	0	0.06708	0.08452
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0	0	0	0	0	0	0
1.87637	0	0	0	0	0.06708	0.08452
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0	0	0	0.00488	0	0	0
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0.81207	0.01944	1.6977	5.37231	53.36726	5.81975	73.4493
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0.81207	0.00729	1.40362	1.51651	53.35633	5.78926	73.38861
0.81207	0.00729	1.40362	1.51651	53.35633	5.78926	73.38861
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0	0	0	0.05432	0	1.31282	6.40733
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0.77523	0	1.40362	1.42287	53.35633	3.47157	4.16972
0.66345	0	1.10523	0.92173	41.07516	1.90012	2.83839
0.66345	0	1.10523	0.92173	41.07516	1.90012	2.83839
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0.11178	0	0.29838	0.50114	12.28117	1.57145	1.33133
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0.02896	0.00729	0	0	0	0.60819	62.386
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0	0	0	0	0	0.19304	0.32949
0.01114	0.00558	0	0	0	0.17313	62.05652
0.01114	0.00558	0	0	0	0.17313	62.05652
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0	0.01215	0.26794	0	0.01093	0.03049	0
0	0.01215	0.26794	0	0.01093	0.03049	0
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0	0.01215	0.26794	0	0.01093	0.03049	0
0	0.01215	0.26794	0	0.01093	0.03049	0
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0	0	0.02614	3.8548	0	0	0.04025
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0	0	0.02614	0.03937	0	0	0
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0.02932	0	0	0	0	0.00595	0
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0.02932	0	0	0	0	0.00595	0
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0.01455	0	0	0	0	0	0
0.23814	0	0.01163	0	2.7599	1.23527	7.70014
0.23814	0	0.01163	0	2.7599	1.23527	7.70014
0.23814	0	0.01163	0	2.7599	1.23527	7.70014

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0.24599	0.45822	0	0.0881	0	13.15364	0.02379
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0.24599	0	0	0.0881	0	13.11787	0.02379
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96.47061	2.44743	0	1.11002	0.00501	0.67491	0.11863	
96.47061	2.43324	0	1.11002	0.00501	0.67491	0.11863	
96.47061	2.43324	0	1.11002	0.00501	0.67491	0.11863	
5.26166	2.43324	0	0.98471	0.00501	0.48908	0	
5.26166	2.43324	0	0.98471	0.00501	0.48908	0	

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0	0	0	0	0	0.0058	0
0	0	0	0.09261	0	0.05106	0

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0	0	0	0	0	0	0
5.26166	2.43324	0	0.32608	0.00501	0.34134	0
5.26166	2.43324	0	0.32608	0.00501	0.34134	0
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0	0	0	0	0	0	0
91.20895	0	0	0.12531	0	0.17416	0
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91.20895	0	0	0.12531	0	0.17416	0
15.85675	0	0	0.09859	0	0	0
15.85675	0	0	0.09859	0	0	0
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75.35219	0	0	0.02672	0	0.16682	0
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0	1.86409	0.05806	0	1.36805	0.00994	0.07358	0.07358
0	1.86409	0.05806	0	1.36805	0.00994	0.07358	0.07358
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0	1.00414	0	0	0.00192	3.78805	0	0
0	1.00414	0	0	0.00192	3.78805	0	0
0.32796	0.31633	5.05232	0	18.77795	0.01237	0	0
0.32796	0.31633	5.05232	0	18.77795	0.01237	0	0
0	0.31633	5.05232	0	18.77714	0	0	0
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0	0.16979	0	0	0	0	0	0

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0.56506	92.83486	58.04235	97.38029	63.22508	40.92436	49.15075
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0	0.0093	0.04491	0	0	0	0
0	0.0093	0.04491	0	0	0	0
0	0.00103	0.02173	0	0	0	0
0	0.00103	0.02173	0	0	0	0
0	0.00827	0.02318	0	0	0	0
0.56506	89.17945	57.39835	96.20939	62.86594	40.92436	49.15075
0.56506	89.17945	57.39835	96.20939	62.86594	40.92436	49.15075
0	0.46709	9.0072	0	0	0.39225	0.01732
0	0.23593	2.98507	0	0	0.14741	0.00823
0	0.23593	2.98507	0	0	0.14741	0.00823
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0	0.23116	6.02214	0	0	0.24484	0.00908
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0	4.65978	36.14158	0	55.61384	32.8578	0.04893
0	0	31.29853	0	55.61384	0	0.04893
0	0	31.29853	0	55.61384	0	0.04893
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0	0.55979	0	0	0	0	0
0	3.61907	4.84305	0	0	32.8578	0
0	2.8552	3.53646	0	0	0	0
0	0.76387	1.30659	0	0	32.8578	0
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0	0.48092	0	0	0	0	0

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0	37.04444	4.86884	96.20939	7.2516	2.02616	43.21524
0	22.4845	0.02847	65.74256	0	0.32222	34.84965
0	22.4845	0.02847	65.74256	0	0.32222	34.84965
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	14.55994	4.84037	30.46683	7.2516	1.70394	8.36559
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0.56506	46.82949	7.38073	0	0.0005	5.64816	5.86748
0	31.74673	0.35994	0	0	0.08941	0
0	31.74673	0.35994	0	0	0.08941	0
0.36344	1.97278	5.34217	0	0	5.24121	4.2003
0.36344	1.97278	5.34217	0	0	5.24121	4.2003
0	0	0.12363	0	0	0	0.9652
0	0	0.12363	0	0	0	0.9652
0.20162	13.10998	1.55499	0	0.0005	0.31753	0.70198
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0	0.13945	0	0	0	0	0

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0	0	0.00475	1.1709	0.35914	0	0
0	0	0.00475	1.1709	0.35914	0	0
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0	0	0.00475	1.1709	0.35914	0	0
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0	0	0	0.12352	0.18607	0	0
0	0	0	0.12352	0.18607	0	0
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0	0	0.00475	0.92263	0	0	0
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0	0.01707	0.27061	0	0	0	0
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0	0.01177	0.03112	0	0	0	0
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0	0	0	0	0	0	0.41205	0.08085
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0	0.1148	34.99415	0	0.126	0	0	0
0	0.1148	34.99415	0	0.126	0	0	0

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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0.0241	0.00768	0	0	0
0	0	0	0.0217	0.00555	0	0	0
0	0	0	0.0217	0.00555	0	0	0
0	0	0	0.00241	0.00214	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0.05737	0	0	0
0	0	0	0	0.00936	0	0	0
0	0	0	0	0.04801	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0.04801	0	0	0
0	0	0	0	0.04801	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
28.49741	3.35752	0	37.93343	0	14.27998	23.05221	

28.49741	3.35752	0	37.93343	0	14.27998	23.05221
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
28.49741	3.35752	0	37.93343	0	14.27998	22.93785
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.07656	0	0	0	0.2806	0
0	0.07656	0	0	0	0.2806	0
0	0.0477	0	37.24769	0	0.01131	0
0	0.0477	0	37.24769	0	0.01131	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
28.49741	0	0	0.68574	0	0	22.93785
28.49741	0	0	0.68574	0	0	22.93785
0	2.28372	0	0	0	13.98807	0
0	2.28372	0	0	0	13.98807	0
0	0	0	0	0	0	0
0	0.03485	0	0	0	0	0
0	0.03485	0	0	0	0	0
0	0.91468	0	0	0	0	0
0	0.91468	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.11436
0	0	0	0	0	0	0.11436
0	0	0	0	0	0	0.11436
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.69585	5.97933	0	1.10936	0	0.01442	0
0.69585	5.97933	0	1.10936	0	0.01442	0
0	0	0	0.01097	0	0	0
0	0	0	0.01097	0	0	0
0	0	0	0.01097	0	0	0

0.02306	0	0	0.00126	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.02306	0	0	0.00126	0	0	0
0.02306	0	0	0.00126	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	5.57007	0	0	0	0.00586	0
0	0.00892	0	0	0	0.00586	0
0	0.00892	0	0	0	0.00586	0
0	5.56115	0	0	0	0	0
0	5.56115	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00803	0	0	0	0	0	0
0.00803	0	0	0	0	0	0
0.00803	0	0	0	0	0	0
0	0.40926	0	1.09124	0	0.00856	0
0	0.00417	0	0.38551	0	0	0
0	0.00417	0	0.38551	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.40509	0	0.70573	0	0.00856	0
0.58925	0	0	0.00589	0	0	0
0.58925	0	0	0.00589	0	0	0
0.58925	0	0	0.00589	0	0	0
0.07551	0	0	0	0	0	0
0.07551	0	0	0	0	0	0
0.07551	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
33.1581	20.41242	0	0.00041	0	0.07024	0.01249
33.1581	20.41242	0	0.00041	0	0.07024	0.01249
33.1581	20.41242	0	0.00041	0	0.07024	0.01249
33.1581	20.29013	0	0	0	0.07024	0
33.1581	20.29013	0	0	0	0.07024	0

0	0.00439	0	0	0	0	0
0	0	0	0	0	0	0
33.1581	19.95016	0	0	0	0	0
33.1581	19.95016	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.11323	0	0.00041	0	0	0.01249
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.08635	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.08635	0	0	0	0	0
0	0.08635	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.02001	0	0	0	0	0.01249
0	0.0054	0	0	0	0	0
0	0.0054	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.01461	0	0	0	0	0.01249
0	0.00687	0	0.00041	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0.00041	0	0	0
0	0	0	0.00041	0	0	0
0	0.00687	0	0	0	0	0
0	0.00687	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.00906	0	0	0	0	0
0	0.00906	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00455	0	0	0	0	0
0	0.00455	0	0	0	0	0
0	0.00451	0	0	0	0	0
0	0.00451	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
24.8371	62.8727	71.54887	54.91665	67.22449	13.28791	42.76348	
1.10568	5.3639	14.65424	0.70112	20.21901	0.51542	11.06152	
0	0	0.05739	0	5.30453	0.00453	0.07634	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0.0037	0	0	9.00E-05	0	
0	0	0.0037	0	0	9.00E-05	0	
0	0	0.0037	0	0	0	0	
0	0	0.0037	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	9.00E-05	0	
0	0	0.05369	0	5.30453	0.00444	0.07634	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0.05369	0	5.30453	0.00444	0.07634	
0	0	0	0	0	0	0.07634	
0	0	0	0	0	0	0.07634	
0	0	0.05369	0	2.18299	0.00444	0	
0	0	0.05369	0	2.18299	0.00444	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	3.12154	0	0	
0	0	0	0	3.12154	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	

0	0	0	0	0	0	0.18373
0	0	0	0.0089	0	0	0
0	0	0	0.0089	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.27271	0.03393	0.15186	0.36135	11.78989	0.00896	0.15519
0.27271	0.03393	0.15186	0.36135	11.78989	0.00896	0.15519
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00045	0	0	0
0	0	0	0.00045	0	0	0
0	0	12.17479	0.01035	0.02055	0	0.07392
0	0	12.17479	0.01035	0.02055	0	0.07392
4.52702	34.60817	0	28.99213	0	3.12757	31.50633
4.52702	34.60817	0	28.99213	0	3.12757	31.50633
2.76802	15.83388	0	5.24054	0	2.78733	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2.76802	15.83388	0	5.24054	0	2.78733	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.07724	0	1.34075	0	0.00754	0
0	0.07724	0	1.34075	0	0.00754	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.0424	0	1.30885	0	0	0
0	0.0424	0	1.30885	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2.20862	0	0	0	0	0
0	2.20862	0	0	0	0	0
0	1.82946	0	0	0	0.02341	0
0	1.82946	0	0	0	0.02341	0

0	0.00547	0	1.06278	0	0.01095	0
0.11519	10.33857	0	20.30151	0	0.21321	24.53806
0.11519	0	0	0	0	0	0
0.11519	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	7.54049	0	19.87155	0	0.20376	23.82825
0	7.54049	0	19.87155	0	0.20376	23.82825
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2.79808	0	0.42996	0	0.00945	0.70981
0	2.79808	0	0.42996	0	0.00945	0.70981
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.71605	0	0	0
0	0	0	0.71605	0	0	0
0	0	0	0.71605	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.44779	0.07306	0	0.50352	0	0.04088	3.10246
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.04088	3.10246
0	0	0	0	0	0.04088	3.10246
0	0.07306	0	0	0	0	0
0	0.07306	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.06461	0	0	0
0	0	0	0.06461	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.36943	0	0	0.05747	0	0	0

0.36943	0	0	0.05747	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.07836	0	0	0.38143	0	0	0
0.07836	0	0	0.38143	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00305	0	0	0
0	0	0	0.00305	0	0	0
0	0	0	0.00305	0	0	0
0	0	0	0	0	0.03724	0
0	0	0	0	0	0.03724	0
0	0	0	0	0	0.03724	0
0.70006	0.5027	0	0.91726	0	0.00482	0.01716
0.70006	0.5027	0	0.91726	0	0.00482	0.01716
0	0.5027	0	0.45534	0	0	0
0	0.5027	0	0.45534	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.70006	0	0	0.46192	0	0.00482	0.01716
0.70006	0	0	0	0	0.00482	0.01716
0	0	0	0.46192	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2.19669	0	0.01009	0	0.01166	0
0	2.07845	0	0.01009	0	0	0
0	2.07845	0	0.00765	0	0	0
0	2.07845	0	0.00765	0	0	0
0	0	0	0.00244	0	0	0
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0	0	0	0	0	0	0
0	0.11824	0	0	0	0.01166	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
15.2012	1.48315	0	0.0217	0	0.03318	0
15.2012	1.48315	0	0.0217	0	0.03318	0
15.2012	1.48315	0	0.0217	0	0.03318	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
11.58816	1.16445	0	0	0	0.01532	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
11.58816	1.16445	0	0	0	0.01532	0
3.61303	0.31869	0	0.01922	0	0.01785	0
0	0.00345	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.02447	0	3.81721	0	0	0
0	0.00266	0	0.06568	0	0	0
0	0.00266	0	0.06568	0	0	0
0	0.02181	0	3.75154	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4.0032	21.39302	56.89463	21.38448	47.00548	9.61174	0.19562
0.17727	0.61043	0	2.31536	0.17642	0.93688	0
0.17727	0.61043	0	2.31536	0.17642	0.93688	0
0.18467	0.14198	3.29324	0.65563	0.09943	0.65454	0
0.18467	0.14198	3.29324	0.65563	0.09943	0.65454	0
2.46394	3.75883	0.21082	0.76807	20.05911	3.29446	0.19243
0	0	0	0	0	0	0
2.46394	3.75883	0.21082	0.76807	20.05911	3.29446	0.19243
0	0.02107	0	0	0	0.0797	0
0	0.02107	0	0	0	0.0797	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.71184	0	0	0	0
0	0	0.71184	0	0	0	0
1.17732	16.86071	52.67872	17.64542	26.67052	4.64615	0.0032
0	0	0	0.00347	0	0	0
0	0	0	0.00347	0	0	0
0	0	0	0.00347	0	0	0
0	0	0	0.00021	0	0	0
0	0	0	0.00021	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00021	0	0	0
0	0	0	0.00021	0	0	0
0	0	0	0.00326	0	0	0
0	0	0	0.00326	0	0	0
0	0	0	0.00251	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.05762	0	0	0	0
0	0	0.05762	0	0	0	0
0	0	0.00529	0	0	0	0
0	0	0.00529	0	0	0	0
0	0	0.00529	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.05233	0	0	0	0
0	0	0	0	0	0	0
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0	0	0.00713	0	0	0	0
0	0	0.00713	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00265	0	0	0	0
0	0	0.00265	0	0	0	0
0	0	0.01107	0	0	0	0
0	0	0.01107	0	0	0	0
0	0	0.03148	0	0	0	0
0	0	0	0	0	0.03931	0
0	0	0	0	0	0.03931	0
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0	0	0	0	0	0.03931	0
0	0	0	0	0	0.03726	0
0	0	0	0	0	0.00205	0
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0	0	0	0	0	0	0

0	0.00308	0	0.0046	0	0	0
0	0.00308	0	0.0046	0	0	0
0	0.00308	0	0.0046	0	0	0
0	0.00308	0	0.0046	0	0	0
0	0.00308	0	0.0046	0	0	0
0	0.00308	0	0.0046	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
12.1404	7.36582	27.9779	5.98647	32.65777	72.30311	34.16364
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
12.11763	7.33461	0.17478	5.40046	32.64733	71.06757	33.61048
12.11763	7.33461	0.17478	5.40046	32.64733	71.06757	33.61048
0.01193	0.35078	0	0	0	0	0
0.01193	0.14819	0	0	0	0	0
0.01193	0.14819	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0.00738	1.18329	0	0	0	0.00469	0.19791
0.00689	1.15425	0	0	0	0.00469	0
0.00689	1.15425	0	0	0	0.00469	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00049	0.02905	0	0	0	0	0.19791
0.00049	0.02905	0	0	0	0	0.19791
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
11.93637	0.48082	0	5.09325	4.88745	71.05819	0
8.85435	0.24947	0	3.99999	0	55.23683	0
8.85435	0.24947	0	3.99999	0	55.23683	0
0	0	0	0	0	0	0
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3.08202	0.23135	0	1.09326	4.88745	15.82136	0
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0.01659	5.2894	0	0.30389	0.44762	0.0043	33.41257
0.00508	0.03403	0	0.20093	0	0	0
0.00508	0.03403	0	0.20093	0	0	0
0.01152	4.45432	0	0	0	0.0043	33.41257
0.01152	4.45432	0	0	0	0.0043	33.41257
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0	0.80106	0	0.10296	0.44762	0	0
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0	0.0173	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0.17478	0	0	0	0
0.14536	0	0	0	0	0.00038	0
0.14536	0	0	0	0	0	0
0.14536	0	0	0	0	0	0
0	0	0	0	0	0.00038	0
0	0	0	0.00332	0	0	0
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0	0	0	0	27.31226	0	0

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0	0	0.4156	0.00394	0	0.00503	0	0
0	0	0.4156	0.00394	0	0.00503	0	0
0	0	0.4156	0.00394	0	0.00503	0	0

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0	0	0	0	0	0	0	0
0.00062	0	0	0.13047	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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9.81823	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
9.81823	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
9.81823	0	0	0	0	0	0	0
9.81823	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0.00975	0	0	0	0	0
0	0	0.00975	0	0	0	0	0
0	0	0.00975	0	0	0	0	0
0.88981	55.50654	18.16325	0	0	0.0195	7.25303	

0.88981	55.50654	18.16325	0	0	0.0195	7.25303
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.88981	55.50248	18.16325	0	0	0.0195	7.25303
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	14.4369	0.13446	0	0	0	0
0	14.4369	0.13446	0	0	0	0
0	39.48678	0	0	0	0	6.67129
0	39.48678	0	0	0	0	6.67129
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.01332	0	0	0	0	0.58174
0	0.01332	0	0	0	0	0.58174
0.88981	1.18639	18.02879	0	0	0.0195	0
0.88981	1.18639	18.02879	0	0	0.0195	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00406	0	0	0	0	0
0	0.00406	0	0	0	0	0
0	0.00406	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1.31004	0.10389	0	0	0	1.37193
0	1.31004	0.10389	0	0	0	1.37193
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1.08899	0	0	0	0	1.20409
0	1.08899	0	0	0	0	0
0	1.08899	0	0	0	0	0
0	0	0	0	0	0	1.06912
0	0	0	0	0	0	1.06912
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0	0	0	0	0	0	0
0	0	0	0	0	0	0.13496
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.22106	0.06755	0	0	0	0.16784
0	0.00148	0.0013	0	0	0	0.00938
0	0.00148	0.0013	0	0	0	0.00938
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.21958	0.06625	0	0	0	0.15846
0	0	0.03634	0	0	0	0
0	0	0.03634	0	0	0	0
0	0	0.03634	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2.45058	31.39441	15.9372	26.75011	8.06909	3.59244	44.29163
2.45058	31.39441	15.9372	26.75011	8.06909	3.59244	44.29163
2.45058	31.39441	15.9372	26.75011	8.06909	3.59244	44.29163
2.33823	23.03257	8.69089	26.75011	8.06909	3.59244	35.03165
2.33823	23.03257	8.69089	26.75011	8.06909	3.59244	35.03165

0	0	1.11874	0	0	0	8.00646
0	0	1.11874	0	0	0	8.00646
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	23.03257	0	0	0	1.98123	2.01767
0	23.03257	0	0	0	1.98123	2.01767
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0	0	0	0	0	0	0
0	0	3.27302	0	0	0	0
0	0	3.27302	0	0	0	0
0	0	0.46322	0	0	0	0
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0.00794	0	0	0	0	0	0
0.00794	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	1.93383	0	0	0	0
0	0	1.93383	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.05004	0	0	0	5.39314
0	0	0.05004	0	0	0	5.39314
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0.12047	26.75011	0	0	4.16739
0	0	0.12047	26.75011	0	0	4.16739
0	0	0.06638	0	0	0	0
0	0	0.06638	0	0	0	0
0.00874	0	1.57547	0	8.06909	0.1534	0.44469

0.00874	0	0	0	8.06909	0.1534	0.44469
0	0	1.57547	0	0	0	0
2.32154	0	0.06301	0	0	1.45781	15.00231
2.32154	0	0.06301	0	0	1.45781	15.00231
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0	0	0	0	0	0	0
0.11149	0	2.50215	0	0	0	9.25998
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0	0	0	0	0	0	0
0	0	0.14197	0	0	0	0
0	0	0.14197	0	0	0	0
0	0	0.14197	0	0	0	0
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0	0	0	0	0	0	0
0	0	0.72048	0	0	0	0.53926
0	0	0.72048	0	0	0	0.53926
0	0	0.72048	0	0	0	0.53926
0	0	0	0	0	0	0
0.11149	0	1.6397	0	0	0	8.72072
0.05485	0	0.17211	0	0	0	0
0.05485	0	0.17211	0	0	0	0
0	0	0.74683	0	0	0	0
0	0	0.74683	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0.71296	0	0	0	8.72072
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0.00086	0	0	0	0	0	0	0
0.00086	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0.00086	0	0	0	0	0	0	0
0.00086	0	0	0	0	0	0	0
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0	8.36184	4.74416	0	0	0	0	0
0	8.36184	4.74416	0	0	0	0	0
0	0.13738	0.1091	0	0	0	0	0
0	0.13738	0.1091	0	0	0	0	0
0	0	0.28746	0	0	0	0	0
0	0	0.28746	0	0	0	0	0
0	2.30783	4.05948	0	0	0	0	0
0	2.30783	4.05948	0	0	0	0	0
0	5.66512	0.27241	0	0	0	0	0
0	5.66512	0.27241	0	0	0	0	0
0	0	0.0157	0	0	0	0	0
0	0	0.0157	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.05664	1.27548	1.12308	0	0	0	0
0.05664	1.27548	1.12308	0	0	0	0
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0	0	0.00851	0	0	0	0
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0	0	0.24609	0	0	0	0
0	0	0.24609	0	0	0	0
0	0.13334	0.36685	0	0	0	0
0	0.13334	0.36685	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.05664	1.13357	0	0	0	0	0
0.05664	1.13357	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0.00857	0	0	0	0	0
0	0.00857	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
12.65023	0.00243	0.94556	45.90543	0.09777	0.71548	0.01685
0	0	0.824	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.824	0	0	0	0
0	0	0.824	0	0	0	0
12.65023	0.00243	0.12156	45.90543	0.09777	0.71548	0.01685
0	0	0	0	0	0	0
0	0	0	0	0	0	0
11.43548	0.00219	0	0	0	0	0
11.43548	0.00219	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00201	0	0	0	0
0	0	0.00201	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00252	0	0	0.00356	0	0.00564	0
0.00252	0	0	0.00356	0	0.00564	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00369	0	0	0	0
0	0	0.00369	0	0	0	0
0.01088	0	0	0.01993	0.00172	0.03125	0.00398
0.01088	0	0	0.01993	0.00172	0.03125	0.00398
0.01894	0	0	0.08118	0	0	0.01288
0.01894	0	0	0.08118	0	0	0.01288
0	0	0.02012	0	0	0	0

0	0	0.02012	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.1668	0.00024	0.00275	45.54416	0.09605	0.67859	0
1.1668	0.00024	0.00275	45.54416	0.09605	0.67859	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.01243	0	0	0
0	0	0	0.01243	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01562	0	0.09299	0.24417	0	0	0
0.01562	0	0.09299	0.24417	0	0	0
8.02905	2.87194	6.11129	0.00135	2.35695	30.31953	14.10531
8.02905	2.87194	6.11129	0.00135	2.35695	30.31953	14.10531
4.05433	0.56051	1.08309	0.00135	1.42846	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4.05433	0.56051	1.08309	0.00135	1.42846	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.46407	1.06514	0	0	0	0
0	0.46407	1.06514	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	1.42846	0	0
0	0	0	0	1.42846	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.03329	0	0	0	0	0
0	0.03329	0	0	0	0	0
0	0.06315	0	0	0	0	0
0	0.06315	0	0	0	0	0
4.05433	0	0.01795	0.00135	0	0	0
4.05433	0	0.01795	0.00135	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3.97472	0	0	0	0	0	0
1.22401	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.37562	0	0	0	0	0	0
0.37562	0	0	0	0	0	0
0.07136	0	0	0	0	0	0
0.07136	0	0	0	0	0	0
0.77702	0	0	0	0	0	0
0.77702	0	0	0	0	0	0
2.64265	0	0	0	0	0	0
2.64265	0	0	0	0	0	0
2.64265	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.13766	2.36556	0	0	0	0
0	0	0.26557	0	0	0	0
0	0	0.26557	0	0	0	0
0	0	0.26557	0	0	0	0
0	0	0	0	0	0	0
0	0.13071	0	0	0	0	0
0	0.13071	0	0	0	0	0
0	0.13071	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00696	2.09999	0	0	0	0
0	0	0.98241	0	0	0	0
0	0	0.98241	0	0	0	0
0	0.00696	1.11758	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.5933	2.8737	0	0	0	0.7302
0	0.5933	2.8737	0	0	0	0.7302
0	0.5933	2.8737	0	0	0	0.7302
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.27154	0.41545	0	0	0	0.595
0	0	0.41545	0	0	0	0
0	0	0.41545	0	0	0	0
0	0.27154	0	0	0	0	0.595
0	0.32175	2.45825	0	0	0	0.1352
0	0	2.06664	0	0	0	0

0	0	0	0	0	0	0
0.00771	0.0015	1.41232	0	0	0	0
0	0.0015	0	0	0	0	0
0	0.0015	0	0	0	0	0
0	0.0015	0	0	0	0	0
0.00292	0	1.41232	0	0	0	0
0.00292	0	1.41232	0	0	0	0
0	0	1.41232	0	0	0	0
0.00292	0	0	0	0	0	0
0.00479	0	0	0	0	0	0
0.00378	0	0	0	0	0	0
0.00378	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00378	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00378	0	0	0	0	0	0
3.13513	0	1.42731	0	0	0	0
3.13513	0	1.42731	0	0	0	0
3.13513	0	1.42731	0	0	0	0
3.13513	0	1.42731	0	0	0	0
3.08078	0	1.37667	0	0	0	0
0.05435	0	0.05064	0	0	0	0
0.05435	0	0.05064	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.67844	6.54431	9.19557	0.01378	87.45631	64.37587	32.085
0.43544	5.3409	7.03996	0	65.14034	46.61032	25.52217
0.43544	5.3409	7.03996	0	65.14034	46.61032	25.52217
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.243	1.20342	2.15561	0.01378	22.31598	17.76556	6.56283
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
52.6663	0.05592	20.84954	0	0	0	0.12558
0	0.00222	14.30215	0	0	0	0.01326
0	0.00222	14.30215	0	0	0	0.01326
22.7557	0.05126	0	0	0	0	0.11233
22.7557	0.05126	0	0	0	0	0.11233
0	0	0	0	0	0	0
0	0	0	0	0	0	0
29.9106	0.00244	6.54739	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00519	0	0	0	0	0
0	0.00519	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00922	0	0	0	0
0	0	0.00922	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0033	0	0.00801	0	0	0	0
0.0033	0	0.00801	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.00046	0	0.00468	0	0	0	0
0.00046	0	0.00468	0	0	0	0
0.00046	0	0.00468	0	0	0	0
0	0	0.00468	0	0	0	0
0	0	0.00468	0	0	0	0
0.00046	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	10.59003	0	0	0	0
0	0	10.59003	0	0	0	0
0	0	10.59003	0	0	0	0
0	0	10.59003	0	0	0	0
0	0	10.59003	0	0	0	0
0	0	10.59003	0	0	0	0
0	0	10.59003	0	0	0	0
0	0	10.59003	0	0	0	0
0	0.1181	0.00473	0	0	0	0
0	0.1181	0.00473	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.1181	0.00473	0	0	0	0
0	0.1181	0.00473	0	0	0	0
0	0.0329	0	0	0	0	0
0	0.0329	0	0	0	0	0
0	0.08519	0	0	0	0	0
0	0.08519	0	0	0	0	0
0	0.08519	0	0	0	0	0
0	0.08519	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00473	0	0	0	0
0	0	0.00473	0	0	0	0
0	0	0.00473	0	0	0	0
0	0	0.00473	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.10912	0	0.07413	0.13092	0	0	0
0.10912	0	0.07413	0.13092	0	0	0
0.10912	0	0.07413	0.13092	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

CHCIPC	CHCSKC	CHCT3C	CHD0SC	CHD7ZC	CHDQ1C	CHDRUC
99.75343	100	100	99.97368	100	99.99237	100
0	56.15234	0	0	35.95288	77.23664	91.46244
0	56.15234	0	0	35.95288	77.23664	91.46244
0	0.03078	0	0	0.08954	0.02528	0.0133
0	0	0	0	0.07797	0.00961	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.07797	0.00117	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.07797	0.00117	0
0	0	0	0	0.07797	0.00117	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.00844	0
0	0	0	0	0	0.00844	0
0	0	0	0	0	0.00844	0
0	0.00378	0	0	0	0.00233	0.0104
0	0.00378	0	0	0	0.00233	0.0104
0	0	0	0	0	0	0.0104
0	0	0	0	0	0	0.0104
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00378	0	0	0	0.00233	0

0	0.00378	0	0	0	0.00233	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.027	0	0	0.01157	0.00229	0.00289
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.027	0	0	0.01157	0.00229	0.00289
0	0.009	0	0	0.0085	0.00136	0.00127
0	0.009	0	0	0.0085	0.00136	0.00127
0	0.018	0	0	0.00307	0.00093	0.00163
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.01105	0
0	0	0	0	0	0.00745	0
0	0	0	0	0	0.0036	0
0	0	0	0	0	0.0036	0
0	0	0	0	0	0.0036	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	56.12156	0	0	34.69391	76.663	91.44915

0	56.12156	0	0	34.69391	76.663	91.44915
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	56.12156	0	0	34.69391	76.63831	91.44915
0	0	0	0	0	2.42116	0.15834
0	0	0	0	0	2.42116	0.15834
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	20.44788	35.58357	33.01648
0	0	0	0	20.44788	35.58357	33.01648
0	4.00878	0	0	1.14887	32.60079	21.87052
0	4.00878	0	0	1.14887	32.60079	21.87052
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.00725	0
0	0	0	0	0	0.00725	0
0	52.11278	0	0	13.09716	6.02555	36.4038
0	52.11278	0	0	13.09716	6.02555	36.4038
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.02469	0
0	0	0	0	0	0.02469	0
0	0	0	0	0	0.02469	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	1.16943	0.54837	0
0	0	0	0	1.16943	0.54837	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0.57337	0.36719	0
0	0	0	0	0	0.57337	0.36719	0
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0	0	0	0	0	0.58999	0.17946	0
0	0	0	0	0	0.01199	0.00125	0
0	0	0	0	0	0.01199	0.00125	0
0	0	0	0	0	0.578	0.09187	0
0	0	0	0	0	0.578	0.09187	0
0	0	0	0	0	0	0.08634	0
0	0	0	0	0	0.00607	0.00172	0
0	0	0	0	0	0.00607	0.00172	0
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0	0	0	0	0	0	0	0
0	0	10.44435	0	0.0104	3.38613	0.02669	
0	0	10.44435	0	0.0104	3.38613	0.02669	
0	0	10.44435	0	0.0104	3.38613	0.02669	
0	0	6.34754	0	0	2.20894	0.02648	
0	0	6.34754	0	0	2.20894	0.02648	

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41.8217	0.42991	1.49862	1.02429	0.83491	3.82679	0.14271
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0	0	0	0	0.00692	0	0
41.71858	0.04239	0.05145	1.02429	0.78897	0.00812	0.03074
41.71858	0.04239	0.05145	1.02429	0.78897	0.00812	0.03074
0	0	0	0	0.70565	0	0
0	0	0	0	0.70565	0	0
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0	0	0	0	0	0	0
41.71858	0.04239	0.05145	1.02429	0.01756	0.00581	0.03074
41.71858	0.04239	0.05145	1.02429	0.01756	0.00581	0.03074
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0.0047	0	0	0	0	3.77042	0.00731
0.0047	0	0	0	0	3.77042	0.00731
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0.0047	0	0	0	0	3.32449	0.00731
0.0047	0	0	0	0	3.32449	0.00731
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0.09842	0.08386	1.26804	0	0	0.0182	0.02752	
0.09842	0.08386	1.26804	0	0	0.0182	0.02752	
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0	0.00802	0.01956	0	0	0	0.00198	
0.67254	0.00039	1.10061	29.85726	34.2106	0.47986	0.40343	
0.67254	0.00039	1.10061	29.85726	34.2106	0.47986	0.40343	
0	0.00039	1.10061	29.38122	3.27927	0.01148	0.32066	
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0	0.00039	1.10061	29.38122	3.27927	0.01148	0.32066	
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0	0	0	0	0	0.00364	0.00166	
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0	0	0	0	0.90395	0	0	
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0	0	0	28.15179	2.03216	0	0.00442	
0	0	0	28.15179	2.03216	0	0.00442	

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0	0	0	0	2.42018	0.03284	0.01387	
0	0	0	0	2.42018	0.03284	0.01387	
0	0	0	0	2.42018	0.03284	0.01387	
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0	0	0	0	1.68111	0.01931	0.00217	
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0	0	0	0	2.90068	0	0
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53.11125	42.96942	86.10746	69.09213	16.64025	14.88781	6.53336
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53.11125	42.96736	86.10605	69.09213	14.48724	14.88781	6.06514
53.11125	42.96736	86.10605	69.09213	14.48724	14.88781	6.06514
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50.5391	0.06579	0	0	0.09917	0	0.00542
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50.5391	0.06579	0	0	0.09917	0	0.00542
50.5391	0.06579	0	0	0.09917	0	0.00542
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0.24657	0	0	0.02632	0	0.00763	0
0.24657	0	0	0.02632	0	0.00763	0
0.24657	0	0	0.02632	0	0.00763	0

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0	0	0	0	0	0	0	0
0	0	0	0.0009	0.01615	0.04846	0.00834	0
0	0	0	0	0.01417	0	0	0
0	0	0	0	0.00695	0	0	0
0	0	0	0	0.00695	0	0	0
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0	0	0	0.0009	0.00198	0.04846	0.00834	0
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0	0	0	0.0009	0.00158	0.04846	0.00834	0
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0	0	0.00762	0	0	0	0	0
0	0	0.0044	0	0	0	0	0
0	0	0.0044	0	0	0	0	0
0	0	0.0044	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.04642	0	0	20.19339	17.20711	0	78.55725	0

0.04642	0	0	20.19339	17.20711	0	78.55725
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	20.19339	17.20711	0	78.55725
0	0	0	3.7305	0	0	0
0	0	0	3.7305	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	13.32099	0	0
0	0	0	0	13.32099	0	0
0	0	0	0	0.52036	0	65.16563
0	0	0	0	0.52036	0	65.16563
0	0	0	0	0.47988	0	0
0	0	0	0	0.47988	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	16.46289	0.31435	0	13.39162
0	0	0	16.46289	0.31435	0	13.39162
0	0	0	0	0	0	0
0	0	0	0	2.45539	0	0
0	0	0	0	2.45539	0	0
0	0	0	0	0.11615	0	0
0	0	0	0	0.11615	0	0
0.04642	0	0	0	0	0	0
0.04642	0	0	0	0	0	0
0.04642	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.27907	0	0.7885	14.06156	0	0
0	0.27907	0	0.7885	14.06156	0	0
0	0	0	0	0.00495	0	0
0	0	0	0	0.00495	0	0
0	0	0	0	0.00495	0	0

0	0	0	0	0.0026	0	0
0	0	0	0	0.0026	0	0
0	0	0	0	0.0026	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.41744	13.53184	0	0
0	0	0	0	8.04454	0	0
0	0	0	0	8.04454	0	0
0	0	0	0	0.92663	0	0
0	0	0	0	0.92663	0	0
0	0	0	0	0.71647	0	0
0	0	0	0	0.71647	0	0
0	0	0	0	3.8442	0	0
0	0	0	0	3.8442	0	0
0	0	0	0.41744	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.27907	0	0.35713	0.46161	0	0
0	0.10774	0	0.00049	0.00298	0	0
0	0.10774	0	0.00049	0.00298	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.17133	0	0.35664	0.45862	0	0
0	0	0	0.01394	0	0	0
0	0	0	0.01394	0	0	0
0	0	0	0.01394	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.06056	0	0
0	0	0	0	0.06056	0	0
0	0	0	0	0.06056	0	0
0	0	0	0	0	0	0
62.58833	0	0	50.55802	35.88563	42.95869	0.01271
62.58833	0	0	50.55802	35.88563	42.95869	0.01271
62.58833	0	0	50.55802	35.88563	42.95869	0.01271
62.58833	0	0	29.08435	21.71173	41.62251	0
62.58833	0	0	29.08435	21.71173	41.62251	0

0	0	0	0.01465	0.0007	0	0
0	0	0	0.01465	0.0007	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.03394	0	0	0
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0	0	0	0.31034	0	0	0
0	0	0	0.31034	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00585	0.01132	0
0	0	0	0	0.00585	0.01132	0
0	0	0	0.00293	0	0	0
0	0	0	0.00293	0	0	0
0	0	0	0.60105	0	0	0
0	0	0	0.60105	0	0	0
0	0	0	23.54153	0	0	0
0	0	0	23.54153	0	0	0
62.58833	0	0	0	0	40.51003	0
62.58833	0	0	0	0	40.51003	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.41138	0	0	0
0	0	0	0.41138	0	0	0
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0	0	0	0	0	0	0
0	0	0	0.01844	0	0	0
0	0	0	0.01844	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1.34109	0	0	0
0	0	0	1.34109	0	0	0
0	0	0	0.90688	0.02354	0	0
0	0	0	0.90688	0.02354	0	0
0	0	0	1.20853	5.55306	0	0

0	0	0	1.20853	5.55306	0	0
0	0	0	0	0	0	0
0	0	0	0.64443	16.12858	1.10116	0
0	0	0	0.64443	16.12858	1.10116	0
0	0	0	0.04915	0	0	0
0	0	0	0.04915	0	0	0
0	0	0	0.01299	0	0	0
0	0	0	0.01299	0	0	0
0	0	0	0.01299	0	0	0
0	0	0	0.01299	0	0	0
0	0	0	20.68949	14.1739	1.33618	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.01165	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.01165	0	0
0	0	0	0	0.01165	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	20.68949	14.16225	1.33618	0
0	0	0	0.02992	0	0.61303	0
0	0	0	0.02992	0	0.61303	0
0	0	0	0.18614	0	0	0
0	0	0	0.18614	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.92262	0	0	0
0	0	0	0.92262	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	19.55082	14.16225	0.72316	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.01271
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.00275
0	0	0	0	0	0	0.00275
0	0	0	0.7712	0	0	0
0	0	0	0.7712	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.18727	0	0	0
0	0	0	0.18727	0	0	0
0	0	0	0.58379	0	0	0
0	0	0	0.58379	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00014	0	0	0
0	0	0	0.00014	0	0	0

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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
13.5023	58.09153	59.01685	1.51296	26.09341	0.34311	15.20533	
0.11751	0.19371	58.92831	0.44734	3.50751	0.32073	0.10581	
0.07524	0	0.63523	0.04238	0.00413	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0.0385	0	0	0	0	
0	0	0.0385	0	0	0	0	
0	0	0.034	0	0	0	0	
0	0	0.034	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0.0045	0	0	0	0	
0.07524	0	0.59673	0.04238	0.00413	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0.07524	0	0.59673	0.04238	0.00413	0	0	
0	0	0.02843	0	0	0	0	
0	0	0.02843	0	0	0	0	
0.07524	0	0.56339	0.03015	0.00413	0	0	
0.07524	0	0.56339	0.03015	0.00413	0	0	
0	0	0	0	0	0	0	
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0	0	0.00491	0	0	0	0	
0	0	0.00491	0	0	0	0	

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0.00231
0	0	0	0	0	0	0	0.00231
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0.05545	0.07597	0.0385	0	0	0.00379
0	0	0.05545	0.07597	0.0385	0	0	0.00379
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0.00098	0	0.02289	0	0	0
0	0	0.00098	0	0.02289	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0.00366	0	0	0	0	0
0	0	0.00366	0	0	0	0	0
10.61222	45.15018	0	0.53302	18.15718	0.02238	0	7.80348
10.61222	45.15018	0	0.53302	18.15718	0.02238	0	7.80348
10.46308	33.07894	0	0	3.43692	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
10.46308	33.07894	0	0	3.43692	0	0	0
0	0	0	0	0.41852	0	0	0
0	0	0	0	0.41852	0	0	0
0	4.06812	0	0	0.01357	0	0	0
0	4.06812	0	0	0.01357	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0.01699	0	0	0
0	0	0	0	0.01699	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0.77751	0	0	0
0	0	0	0	0.77751	0	0	0
10.46308	29.01082	0	0	0.27327	0	0	0
10.46308	0	0	0	0.27327	0	0	0

0	0.32741	0	0	0	0	0
0.00617	10.20222	0	0	3.06812	0	7.80006
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	9.96474	0	0	1.24466	0	7.60227
0	9.96474	0	0	1.24466	0	7.60227
0	0	0	0	0.15551	0	0
0	0	0	0	0.15551	0	0
0.00617	0.23748	0	0	1.66796	0	0.19779
0.00617	0.23748	0	0	1.66796	0	0.19779
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.14296	0.19031	0	0	0.63271	0	0
0	0	0	0	0.40641	0	0
0	0	0	0	0.40641	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.04305	0	0	0	0	0	0
0.04305	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.15246	0	0
0	0	0	0	0.15246	0	0
0.09991	0	0	0	0	0	0
0.09991	0	0	0	0	0	0
0	0	0	0	0.0007	0	0
0	0	0	0	0.0007	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.07179	0	0

0	0	0	0	0.07179	0	0
0	0.19031	0	0	0.0005	0	0
0	0.19031	0	0	0.0005	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00085	0	0
0	0	0	0	0.00085	0	0
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0	0.09104	0	0	0.48453	0.02238	0.00279
0	0.09104	0	0	0.48453	0.02238	0
0	0	0	0	0.48126	0	0
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0	0	0	0	0	0	0
0	0.09104	0	0	0	0.02238	0
0	0.09104	0	0	0	0.02238	0
0	0	0	0	0	0	0
0	0	0	0	0.00327	0	0
0	0	0	0	0.00327	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.00279

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0	0	0	0	0	0	0.00279
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.59947	0	0.22068	8.28598	0	0
0	0.36564	0	0	0.31965	0	0
0	0.36564	0	0	0.31965	0	0
0	0.36564	0	0	0.31965	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.23383	0	0.22068	5.89286	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.23383	0	0.22068	5.89286	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2.77258	9.4936	0	0.00353	0.44218	0	0.06375
2.77258	9.4936	0	0.00353	0.44218	0	0.06375
2.77258	9.4936	0	0.00353	0.44218	0	0.06375
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	7.15944	0	0	0.22752	0	0.06375
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	7.15944	0	0	0.22752	0	0.06375
2.77258	2.33416	0	0.00353	0.21465	0	0
0.0997	0.00804	0	0	0.00208	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
23.86295	29.95767	0	19.13854	0.22846	56.64428	0.00585
17.75747	22.66857	0	13.41056	0.04716	39.03706	0
17.75747	22.66857	0	13.41056	0.04716	39.03706	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
6.10548	7.2891	0	5.72798	0.1813	17.60722	0.00585
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	11.22937	0	5.67357	4.95925	0	5.55903
0	1.41289	0	3.45319	2.70202	0	0
0	1.41289	0	3.45319	2.70202	0	0
0	9.81648	0	0	0.77417	0	3.65317
0	9.81648	0	0	0.77417	0	3.65317
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	2.22038	1.48305	0	1.90586
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.24723	0	0	0	0	0
0	0.24723	0	0	0	0	0
0	0.24723	0	0	0	0	0
0	0	0	0	0	0	0
0	0.12417	0	0	0	0	0
0	0	0	0	0	0	0
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0	0.12417	0	0	0	0	0
0	0.12417	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0.00486	0
0	0	0	0	0	0.00563	0
0	0	0	0	0	0.00563	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00102	0	0.00454	0.0046	0	0.0182
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00102	0	0.00454	0.0046	0	0.0182
0	0.00102	0	0.00098	0.00263	0	0.01539
0	0.00102	0	0.00098	0.00263	0	0.01539
0	0	0	0.00356	0.00197	0	0.00281
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00337	0	0	0	0.67987	0.00716
0	0.00337	0	0	0	0.64586	0.00716
0	0	0	0	0	0.03401	0
0	0	0	0	0	0.01021	0
0	0	0	0	0	0.01021	0
0	0	0	0	0	0.0238	0
0	0	0	0	0	0.0238	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
53.61634	0.00156	0	77.66067	4.67361	0	65.73674

53.61634	0.00156	0	77.66067	4.67361	0	65.73674
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
53.61634	0	0	77.66067	4.67361	0	65.73674
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	41.92188
0	0	0	0	0	0	41.92188
0	0	0	0.04192	0	0	0
0	0	0	0.04192	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
53.61634	0	0	0	4.67361	0	0
53.61634	0	0	0	4.67361	0	0
0	0	0	77.61875	0	0	23.81486
0	0	0	77.61875	0	0	23.81486
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00156	0	0	0	0	0
0	0.00156	0	0	0	0	0
0	0.00156	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0979	0	0	0.01103	0.19373	0	0.00171
0.0979	0	0	0.01103	0.19373	0	0.00171
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0.01103	0.19373	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.01103	0.19373	0	0
0	0	0	0.01103	0.19373	0	0
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0	0	0	0	0	0	0
0.0979	0	0	0	0	0	0.00171
0.01705	0	0	0	0	0	0
0.01705	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.08085	0	0	0	0	0	0.00171
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0	43.83419	0	0	0.00082	0	0.0001
0	43.83419	0	0	0.00082	0	0.0001
0	43.83419	0	0	0.00082	0	0.0001
0	24.50015	0	0	0	0	0.0001
0	24.50015	0	0	0	0	0.0001

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39.06026	3.16851	6.89406	8.05939	39.29103	44.6598	13.53931	
0.26099	3.14825	0.48085	5.41408	15.64392	18.15809	13.13887	
0.239	2.792	0.05767	0.05829	0.00539	16.34035	4.26378	
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0	0	0	0	0	0	0.02459	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.239	2.792	0.05767	0.05829	0.00539	16.31576	4.26378	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.239	2.792	0.05767	0.05829	0.00539	16.31576	4.26378	
0.13628	0	0	0.05485	0	0.21185	0.00982	
0.13628	0	0	0.05485	0	0.21185	0.00982	
0.01723	2.07233	0.05767	0.00344	0.00539	16.10391	3.77308	
0.01723	2.07233	0.05767	0.00344	0.00539	16.10391	3.77308	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.08549	0.71967	0	0	0	0	0	0.48088
0.08549	0.71967	0	0	0	0	0	0.48088
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0	0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0.02962	0	0	0	7.87358	0	0
0.02962	0	0	0	7.87358	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.02962	0	0	0	7.87358	0	0
0.02962	0	0	0	7.87358	0	0
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0	0	0	0	0	0	0
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0	0	0	0.24468	0	0	0
0	0	0	0.24468	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.17253	0	0	0
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0	0	0	0	0	0	0
0	0	0	0.17253	0	0	0
0	0	0	0.07216	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0.11719	0.00533	0
0	0	0	0	0.11719	0.00533	0
0	0	0	0	0.11719	0.00533	0
0	0	0	0	0.11719	0.00533	0
0	0	0	0	0.11719	0.00533	0
0	0	0	0	0.11719	0.00533	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
7.22551	52.98933	93.10594	14.26438	55.70391	54.64451	20.69678
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
7.22391	52.92302	93.10324	14.26438	55.70391	53.60563	20.66318
7.22391	52.92302	93.10324	14.26438	55.70391	53.60563	20.66318
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.13859	0.00513	0.00082	0	0.52027	1.20701	0.12313
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.13859	0.00513	0.00082	0	0.52027	1.20701	0.12313
0.13859	0.00513	0.00082	0	0.52027	1.20701	0.12313
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0.0003	0	0	0	0
0	0	0	0.0003	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0.10074	0.00981	0.06324	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0.10074	0.00981	0.06324	0
0	0	0	0	0.07776	0.00981	0.06324	0
0	0	0	0	0.07776	0.00981	0.06324	0
0	0	0	0	0.02299	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0.00285	0.02521	0	0.0001	0
0	0	0	0.00093	0.00987	0	0	0
0	0	0	0.00192	0.01534	0	0.0001	0
0	0	0	0	0	0	0.0001	0
0	0	0	0	0	0	0.0001	0
0	0	0	0.00192	0.01534	0	0	0
0	0	0	0.00192	0.01534	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.00036	4.92595	47.83052	86.65507	26.2054	0.19309	51.57304	

0.00036	4.92595	47.83052	86.65507	26.2054	0.19309	51.57304
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	4.92595	47.8276	86.65507	26.2054	0.19309	51.57304
0	0	1.62561	0	0	0	0
0	0	1.62561	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	14.57268	0	0	0	0
0	0	14.57268	0	0	0	0
0	0	28.57547	86.65507	0	0	0
0	0	28.57547	86.65507	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00883	0	26.2054	0	0
0	0	0.00883	0	26.2054	0	0
0	4.92595	3.04502	0	0	0.19309	51.57304
0	4.92595	3.04502	0	0	0.19309	51.57304
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0.00036	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1.49374	0	0.00101	0.0026	0.08846
0	0	1.49374	0	0.00101	0.0026	0.08846
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0.0026	0.05354
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.0026	0.05354
0	0	0	0	0	0	0.0026	0.05354
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0	0	0	0	0	0	0	0
0	0	1.28031	0	0	0	0	0
0	0	1.28031	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0.2042	0	0	0	0	0.03491
0	0	0.00251	0	0	0	0	0
0	0	0.00251	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0.20169	0	0	0	0	0.03491
0	0	0.00923	0	0.00101	0	0	0
0	0	0.00923	0	0.00101	0	0	0
0	0	0.00923	0	0.00101	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
13.96836	68.15554	30.14678	0.00651	0	0	0	0.00358
13.96836	68.15554	30.14678	0.00651	0	0	0	0.00358
13.96836	68.15554	30.14678	0.00651	0	0	0	0.00358
13.87628	58.19026	19.18659	0.00651	0	0	0	0
13.87628	58.19026	19.18659	0.00651	0	0	0	0

1.14513	14.64021	0	0	0	0	0
1.14513	14.64021	0	0	0	0	0
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0	0	19.18659	0.00414	0	0	0
0	0	19.18659	0.00414	0	0	0
0	0.03331	0	0	0	0	0
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8.75915	3.56488	0	0	0	0	0
8.75915	3.56488	0	0	0	0	0
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1.99539	22.18343	0	0	0	0	0
1.99539	22.18343	0	0	0	0	0
0	0	0	0	0	0	0
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0.61384	1.77381	0	0	0	0	0

0.61384	1.77381	0	0	0	0	0
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1.36277	15.99462	0	0.00237	0	0	0
1.36277	15.99462	0	0.00237	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.09208	6.89599	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0.09208	6.89599	0	0	0	0	0
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0	0.3993	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.77472	0	0	0	0	0
0	0.77472	0	0	0	0	0
0.09208	0	0	0	0	0	0
0.09208	0	0	0	0	0	0
0	5.72197	0	0	0	0	0
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0	3.06929	10.96019	0	0	0	0
0	3.06929	10.96019	0	0	0	0
0	0.27447	0.21674	0	0	0	0
0	0.27447	0.21674	0	0	0	0
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0	2.56373	3.70516	0	0	0	0
0	2.56373	3.70516	0	0	0	0
0	0	6.83599	0	0	0	0
0	0	6.83599	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0.23108	0	0	0	0	0
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7.78639	18.0149	5.5394	0.58077	17.78594	33.40022	9.11934
7.78639	2.75784	1.54101	0.56698	10.54085	0.37701	3.4946
1.11948	0.15437	0	0.35881	0.52375	0	0.04854
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0.00112	0	0	0.00089	0	0	0.0014
0.00112	0	0	0.00089	0	0	0.0014
0.00112	0	0	0.00079	0	0	0.0014
0.00112	0	0	0.00079	0	0	0.0014
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0	0	0	0.00011	0	0	0
1.11837	0.15437	0	0.35792	0.52375	0	0.04713
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0	0	0	0	0	0	0
1.11837	0.15437	0	0.35792	0.52375	0	0.04713
0	0.00987	0	0.02182	0.01648	0	0.04065
0	0.00987	0	0.02182	0.01648	0	0.04065
1.11673	0.14451	0	0.3361	0.46905	0	0.00541
1.11673	0.14451	0	0.3361	0.46905	0	0.00541
0	0	0	0	0	0	0
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0.00164	0	0	0	0.03823	0	0.00108
0.00164	0	0	0	0.03823	0	0.00108
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6.66691	2.60347	1.54101	0.20817	10.0171	0.37701	3.44607
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0.62655	2.1702	0.01419	0	3.82555	0.37069	0.0154
0.62655	2.1702	0.01419	0	3.82555	0.37069	0.0154
0	0.68981	0	0	0	0	0
0	0.68981	0	0	0	0	0
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0.62655	1.48038	0.01163	0	3.82555	0.37069	0.0154
0.62655	1.48038	0.01163	0	3.82555	0.37069	0.0154
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0	0.41296	1.51374	0.0316	5.94235	0	2.97579
0	0.41296	1.51374	0.0316	5.94235	0	2.97579
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0	0.41296	1.4348	0	5.1858	0	0
0	0.41296	1.4348	0	5.1858	0	0
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0	0	0.0083	0	0	0	0
0	0	0.0083	0	0	0	0

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6.04036	0.02031	0.01308	0.17656	0.24877	0.00632	0.45488
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6.04036	0.02031	0.01308	0.17656	0.24877	0.00632	0.45488
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5.90521	0	0	0	0	0	0
5.90521	0	0	0	0	0	0
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0	0	0.00193	0.00606	0.07544	0.00521	0.01842
0	0	0.00193	0.00606	0.07544	0.00521	0.01842
0	0.00196	0.00068	0.05279	0.03874	0	0
0	0.00196	0.00068	0.05279	0.03874	0	0
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0	0	0	0	0	0	0

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77.87281	8.78023	14.67626	12.65783	0	56.65626	26.74435
53.56902	6.78738	10.40171	9.3743	0	45.43988	17.8645
53.56902	6.78738	10.40171	9.3743	0	45.43988	17.8645
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24.30379	1.99285	4.27455	3.28354	0	11.21638	8.87986
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0	0	0.20909	0	55.22098	9.45837	3.02741
0	0	0.10509	0	0	0	1.36892
0	0	0.10509	0	0	0	1.36892
0	0	0.10401	0	55.22098	9.45837	1.65849
0	0	0.10401	0	55.22098	9.45837	1.65849
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0	0	0	0.00251	0.47098	0.27109	0	0
0	0	0	0.00251	0.47098	0.27109	0	0

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0	0	0	0	0	0	0	0
0.00856	0.00023	0	0	0.01019	0.00279	0.00487	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.00856	0.00023	0	0	0.01019	0.00279	0.00487	
0.00327	0.00023	0	0	0.01019	0.00094	0.00294	
0.00327	0.00023	0	0	0.01019	0.00094	0.00294	
0.00529	0	0	0	0	0.00185	0.00193	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0.00631	0	0.00786	0	0	0
0	0	0.00631	0	0.00649	0	0	0
0	0	0	0	0.00137	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0.00137	0	0	0
0	0	0	0	0.00137	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	10.00008	17.80675	4.47247	0	24.02099	98.98875	

0	10.00008	17.80675	4.47247	0	24.02099	98.98875
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	10.00008	17.80675	4.47247	0	24.02099	98.98875
0	0	0	1.18682	0	0	0
0	0	0	1.18682	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	3.818	0.00701	0	0	0.11399	8.65651
0	3.818	0.00701	0	0	0.11399	8.65651
0	0	0.0222	0.3207	0	23.63838	89.31388
0	0	0.0222	0.3207	0	23.63838	89.31388
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.06399	0	0	0.13082	0
0	0	0.06399	0	0	0.13082	0
0	4.04867	17.71354	2.7839	0	0.1378	1.01836
0	4.04867	17.71354	2.7839	0	0.1378	1.01836
0	0	0	0	0	0	0
0	2.13341	0	0.18106	0	0	0
0	2.13341	0	0.18106	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03808	0.47901	10.70587	2.74109	0	0.06084	0.00505
0.03808	0.47901	10.70587	2.74109	0	0.06084	0.00505
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0.00748	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00748	0	0	0	0	0
0	0.00748	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.11372	10.70587	2.7042	0	0	0
0	0.11372	10.70587	2.7042	0	0	0
0	0.11372	10.70587	2.7042	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03808	0.35781	0	0.03689	0	0	0.00505
0.00253	0.02298	0	0	0	0	0
0.00253	0.02298	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03555	0.33483	0	0.03689	0	0	0.00505
0	0	0	0	0	0.06084	0
0	0	0	0	0	0.06084	0
0	0	0	0	0	0.06084	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
28.26073	17.45158	50.4359	59.08426	0	55.24512	0.28085
28.26073	17.45158	50.4359	59.08426	0	55.24512	0.28085
28.26073	17.45158	50.4359	59.08426	0	55.24512	0.28085
28.26022	17.45017	21.15166	45.43991	0	55.22399	0.24544
28.26022	17.45017	21.15166	45.43991	0	55.22399	0.24544

1.16738	17.45017	8.51721	0	0	31.55978	0
1.16738	17.45017	8.51721	0	0	31.55978	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.00145
0	0	0	0	0	0	0.00145
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.45268	0	0	0	0
0	0	0.45268	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	35.47998	0	0	0
0	0	0	35.47998	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.04362	0	0.1975	0	0	23.66421	0.01591
0.04362	0	0.1975	0	0	23.66421	0.01591
0	0	0	0	0	0	0
1.05626	0	0	0	0	0	0
1.05626	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00761	0	0	0	0
0	0	0.00761	0	0	0	0
0	0	4.85022	0	0	0	0.02375
0	0	4.85022	0	0	0	0.02375
0.03892	0	1.51476	7.99156	0	0	0.13901

0.03892	0	1.51476	7.99156	0	0	0.13901
0	0	0	0	0	0	0
25.95403	0	5.59923	1.96838	0	0	0.06531
25.95403	0	5.59923	1.96838	0	0	0.06531
0	0	0.01246	0	0	0	0
0	0	0.01246	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00051	0	28.72801	13.2808	0	0	0.02734
0	0	10.04428	0	0	0	0
0	0	10.04428	0	0	0	0
0	0	10.04428	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.77035	0	0	0	0
0	0	0.77035	0	0	0	0
0	0	0.77035	0	0	0	0
0	0	0	0	0	0	0
0.00051	0	17.91339	13.28002	0	0	0.02734
0	0	3.87434	13.28002	0	0	0.01216
0	0	3.87434	13.28002	0	0	0.01216
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0.00051	0	14.03905	0	0	0	0
0.00051	0	14.03905	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0.01518
0	0	0	0.00078	0	0	0
0	0	0	0.00078	0	0	0

0	0	0	0.00078	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.0014	0.41303	0.36355	0	0.02113	0.00806
0	0.0014	0.41303	0.36355	0	0.02113	0.00806
0	0	0	0.00366	0	0	0
0	0	0	0.00366	0	0	0
0	0	0.00064	0.10822	0	0	0.00806
0	0	0.00064	0.10822	0	0	0.00806
0	0	0	0.00119	0	0	0
0	0	0	0.00119	0	0	0
0	0	0.36204	0	0	0	0
0	0	0.36204	0	0	0	0
0	0	0.04327	0.24428	0	0	0
0	0	0.04327	0.24428	0	0	0
0	0	0	0	0	0.02113	0
0	0	0	0	0	0.02113	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.0014	0.00709	0.0062	0	0	0
0	0.0014	0.00709	0.0062	0	0	0
0	0	0.14319	0	0	0	0
0	0	0.14319	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.14319	0	0	0	0
0	0	0.14319	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
30.25525	40.14488	15.33161	23.946	99.52481	6.0033	0.47323	
2.451	5.18261	0.39992	1.48354	13.87691	0.24982	0.44842	
0.17782	0.02925	0	0	4.23219	0.00029	0.16101	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0.00185	0	
0	0	0	0	0	0.00185	0	
0	0	0	0	0	0.00174	0	
0	0	0	0	0	0.00174	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0.0001	0	
0.17782	0.02925	0	0	4.23034	0.00029	0.16101	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0.17782	0.02925	0	0	4.23034	0.00029	0.16101	
0	0	0	0	0	0.00029	0	
0	0	0	0	0	0.00029	0	
0.04203	0.02664	0	0	3.52973	0	0.15965	
0.04203	0.02664	0	0	3.52973	0	0.15965	
0	0	0	0	0	0	0.00136	
0	0	0	0	0	0	0.00136	
0.1358	0.00261	0	0	0.70061	0	0	
0.1358	0.00261	0	0	0.70061	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	

0	0	0	0	0	0	0
0	0	0	0	0	0	0
2.27317	5.15336	0.39992	1.48354	9.64472	0.24953	0.28742
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.64574	0.39575	0.07993	0	0.00466	0
0	0.64574	0.39575	0.07993	0	0.00466	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.50009	0	0.05554	0	0	0
0	0.50009	0	0.05554	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00873	0.22654	0.02439	0	0.00466	0
0	0.00873	0.22654	0.02439	0	0.00466	0
0	0.03034	0	0	0	0	0
0	0.03034	0	0	0	0	0
0	0.00316	0.16921	0	0	0	0
0	0.00316	0.16921	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.09612	0	0	0	0	0

0	0.09612	0	0	0	0	0
0	0.0073	0	0	0	0	0
0	0.0073	0	0	0	0	0
0	2.00071	0	0.84671	0	0	0
0	2.00071	0	0.84671	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0.64432	0	0	0	0	0
0	0.64432	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.53767	0	0	0	0	0
0	0.53767	0	0	0	0	0
0	0	0	0.84671	0	0	0
0	0	0	0.84671	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.71622	0	0	0	0	0
0	0.71622	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.1025	0	0	0	0	0
0	0.1025	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.01994	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.01994	0	0	0	0	0
0	0.01994	0	0	0	0	0
2.27317	2.48697	0.00417	0.5569	9.64472	0.24487	0.28742
0	2.23879	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2.23879	0	0	0	0	0
0	2.23879	0	0	0	0	0
2.27317	0.24819	0.00417	0.5569	9.64472	0.24487	0.28742
0	0	0	0	0	0.0033	0
0	0	0	0	0	0.0033	0
0	0	0	0.00786	0	0.0424	0
0	0	0	0.00786	0	0.0424	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.03096	0	0	0	0	0
0	0.03096	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.54504	0	0	0
0	0	0	0.54504	0	0	0
0	0.00871	0	0	0	0	0
0	0.00871	0	0	0	0	0
0	0.00077	0.00033	0.00232	0.00544	0.0078	0.00205
0	0.00077	0.00033	0.00232	0.00544	0.0078	0.00205
0.07536	0.00451	0.0025	0.00114	0.77479	0.03415	5.00E-05
0.07536	0.00451	0.0025	0.00114	0.77479	0.03415	5.00E-05
0	0.17733	0	0	0	0	0

0	0.17733	0	0	0	0	0	0
0	0	0	0	0	0	0.00145	0
0	0	0	0	0	0	0.00145	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2.19781	0.00274	0.00134	0.00052	8.84593	0.1327	0.28532	
2.19781	0.00274	0.00134	0.00052	8.84593	0.1327	0.28532	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0.01041	0	0	0.01856	0	0	0
0	0.01041	0	0	0.01856	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0.01275	0	0	0	0.02308	0	0
0	0.01275	0	0	0	0.02308	0	0
0.36614	19.21967	3.02337	22.18572	14.27415	2.93221	0.00375	
0.36614	19.21967	3.02337	22.18572	14.27415	2.93221	0.00375	
0.19388	1.3667	0	8.11213	14.26306	2.32298	0	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.19388	1.3667	0	8.11213	14.26306	2.32298	0	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0.15676	0	0	0	0.2892	0	
0	0.15676	0	0	0	0.2892	0	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	1.15905	0
0	0	0	0	0	0	0	0

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0	0	0	0	0	1.15905	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	2.24849	0	0.50862	0
0	0	0	2.24849	0	0.50862	0
0	1.00913	0	0.00124	14.26306	0.00512	0
0	1.00913	0	0.00124	14.26306	0.00512	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.19388	0.20081	0	0	0	0	0
0.19388	0.20081	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	5.8624	0	0.361	0
0	0	0	5.8624	0	0.361	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00322	0.00245	0.02617	0	0	0
0	0	0	0.00764	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00061	0	0	0
0	0	0	0.00061	0	0	0
0	0	0	0	0	0	0
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0	0	0	0.00703	0	0	0
0	0	0	0.00703	0	0	0
0	0.00322	0.00115	0.01122	0	0	0
0	0.00322	0.00115	0.01122	0	0	0
0	0.00322	0.00115	0.01122	0	0	0

0	0	0	0.76532	0	0	0
0	15.49518	0	9.08437	0	0.02097	0.00293
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0	0	0	0.10751	0	0.02097	0
0	0	0	0.10751	0	0.02097	0
0	14.98102	0	6.98842	0	0	0
0	14.98102	0	6.98842	0	0	0
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0	0	0	0	0	0	0
0	0.51416	0	1.98844	0	0	0.00293
0	0.51416	0	1.98844	0	0	0.00293
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0	0	0	0	0	0	0
0	0.02039	1.43126	0	0	0	0
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0	0	0.39537	0	0	0	0
0	0	0.39537	0	0	0	0
0	0.02039	1.03589	0	0	0	0
0	0	0	0.44038	0	0.04476	0
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0	0	0	0.00793	0	0	0
0	0	0	0.00793	0	0	0
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0	0	0	0	0	0	0
0	0	0	0.01694	0	0	0

0	0	0	0.01694	0	0	0
0	0	0	0.22482	0	0.04476	0
0	0	0	0.22482	0	0.04476	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.19069	0	0	0
0	0	0	0.19069	0	0	0
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0	1.08054	0	0	0	0.01196	0
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0	0	0	0	0	0.01196	0
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0	1.25364	1.16549	0.95841	0.01109	0.03832	0
0	1.25364	1.16011	0.9441	0.01109	0.03679	0
0	0.93808	1.16011	0.92972	0.01109	0.01082	0
0	0.93808	1.16011	0.92972	0.01109	0.01082	0
0	0	0	0	0	0	0
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0	0.31557	0	0	0	0	0
0	0.31557	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00538	0.01431	0	0.00153	0

0	0	0.00538	0.01431	0	0	0
0	0	0.00538	0.01431	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0.00153	0
0.17226	0	0.42418	2.75086	0	0	0
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0.17226	0	0.42418	2.70203	0	0	0
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0	0	0	0	0	0	0
0.17226	0	0.38557	2.70203	0	0	0
0	0	0.0386	0	0	0	0
0	0	0.0386	0	0	0	0
1.52712	1.05426	2.02061	0.16833	0	0.17234	0
1.52712	1.05426	2.02061	0.16833	0	0.17234	0
1.52712	1.05426	2.02061	0.16833	0	0.17234	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.63392	0.32982	0.14072	0	0.14113	0
1.52712	0.42034	1.69079	0.02761	0	0.03122	0
0	0.09523	0	0	0	0	0

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0	0.07454	0	0	0	0	0.10038
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0	0	0	0	0	0	0
0	0	0	0	0	0	0.10038
0	0.07454	0	0	0	0	0
0	0	0	0	0	0.00348	0
0	0	0	0	0	0.00348	0
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0	0	0	0	0	0.00348	0
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0	0	3.35341	0	0	0	0
0	0	3.35341	0	0	0	0
0	0	3.35341	0	0	0	0
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0	0	3.15901	0	0	0	0
0	0	0.1944	0	0	0	0
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41.43738	29.96698	2.36015	7.74564	0.45714	14.65706	0.14601
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
41.4333	29.90667	2.36015	7.65299	0.31853	13.32337	0.10171
41.4333	29.90667	2.36015	7.65299	0.31853	13.32337	0.10171
0	0.85635	0.87268	1.29218	0	0.00155	0
0	0.67587	0.72688	1.02049	0	0.00121	0
0	0.67587	0.72688	1.02049	0	0.00121	0
0	0.09105	0	0	0	0	0
0	0.09105	0	0	0	0	0
0	0.08943	0.14579	0.27169	0	0.00034	0
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0	8.27287	0.20841	0.0494	0.24611	0.09552	0
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0	0	0	0	0	0	0
0	7.17117	0.20841	0.0494	0.24611	0.09552	0
0	7.17117	0.20841	0.0494	0.24611	0.09552	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1.1017	0	0	0	0	0
0	1.1017	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
35.45686	7.46467	0.11805	5.72213	0.01783	11.47902	0.10171
27.71111	4.42271	0.04699	3.56713	0	8.14986	0.09431
27.71111	4.42271	0.04699	3.56713	0	8.14986	0.09431
0	2.30565	0	0	0	0	0
0	2.30565	0	0	0	0	0
7.74574	0.73631	0.07106	2.155	0.01783	3.32916	0.00741
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0	0	0	0	0	0	0
5.97644	13.00805	1.14975	0.51255	0.0216	1.43044	0
0	0.13	0.02677	0	0.00386	0	0
0	0.13	0.02677	0	0.00386	0	0
5.97644	12.87805	0.52193	0.45844	0	1.11649	0
5.97644	12.87805	0.52193	0.45844	0	1.11649	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.60105	0.05411	0.01774	0.31394	0
0	0	0	0	0	0	0
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0	0.15896	0	0	0	0.31684	0
0	0.15896	0	0	0	0.31684	0
0	0.15896	0	0	0	0.31684	0
0	0	0	0	0.03299	0	0
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0	0.08239	0	0.07504	0	0	0
0	0.08239	0	0.07504	0	0	0
0	0.08239	0	0.07504	0	0	0
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0	0	0.01126	0.0017	0	0	0
0	0	0.01126	0.0017	0	0	0

0	0	0.01126	0.0017	0	0	0
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0	0.00019	0	0	0	0	0
0	0.06319	0	0	0	0	0
0	0.06319	0	0	0	0	0
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0	0	0	0	0	0	0
0.00408	0	0	0.09265	0.00688	1.33369	0.00131
0.00408	0	0	0.09265	0.00688	1.33369	0.00131
0	0	0	0	0	0.00513	0
0	0	0	0	0	0.00513	0
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0	0	0	0	0	0	0
0.00408	0	0	0.09265	0.00688	1.32856	0.00131
0.00408	0	0	0	0	0.07964	0.00085
0.00408	0	0	0	0	0.07964	0.00085
0	0	0	0	0	0.04949	0.00046
0	0	0	0	0	0.04949	0.00046
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0	0	0	0.09265	0.00688	1.19142	0
0	0	0	0.09265	0.00688	1.19142	0
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0	0.04152	0	0	0.13173	0	0.04298
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0	0	0	0	0.10871	0	0
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0	1.83121	0	0.7099	0	0	0.00085
0	1.83121	0	0.7099	0	0	0.00085

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0	0	0	0	0	0	0
12.8317	0	0	0	0	6.90925	34.25429

12.8317	0	0	0	0	6.90925	34.25429
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
12.8317	0	0	0	0	6.90925	34.25429
0	0	0	0	0	1.56017	0.73158
0	0	0	0	0	1.56017	0.73158
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
2.3269	0	0	0	0	0	9.22085
2.3269	0	0	0	0	0	9.22085
0.01801	0	0	0	0	0	22.87218
0.01801	0	0	0	0	0	22.87218
0	0	0	0	0	0.00703	0
0	0	0	0	0	0.00703	0
0.01101	0	0	0	0	0.00072	0.00561
0.01101	0	0	0	0	0.00072	0.00561
7.32437	0	0	0	0	0.01359	1.42407
7.32437	0	0	0	0	0.01359	1.42407
0	0	0	0	0	0	0
3.15141	0	0	0	0	5.32775	0
3.15141	0	0	0	0	5.32775	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
4.11138	0	0	0	0	3.29263	1.25878
4.11138	0	0	0	0	3.29263	1.25878
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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4.09653	0	0	0	0	3.29263	1.07087
4.07751	0	0	0	0	3.29263	1.07087
4.07751	0	0	0	0	3.29263	1.07087
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0.01903	0	0	0	0	0	0
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0.01485	0	0	0	0	0	0.18048
0.00013	0	0	0	0	0	0.00209
0.00013	0	0	0	0	0	0.00209
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0.01471	0	0	0	0	0	0.17839
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44.44856	0	0	0	0	73.85002	31.31854
44.44856	0	0	0	0	73.85002	31.31854
44.44856	0	0	0	0	73.85002	31.31854
5.1207	0	0	0	0	73.85002	18.08751
5.1207	0	0	0	0	73.85002	18.08751

2.03551	0	0	0	0	0	0
2.03551	0	0	0	0	0	0
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0.03571	0	0	0	0	0	0
0.03571	0	0	0	0	0	0
0.0959	0	0	0	0	49.20273	18.08751
0.0959	0	0	0	0	49.20273	18.08751
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0.57268	0	0	0	0	0	0
0.57268	0	0	0	0	0	0
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0.2137	0	0	0	0	0	0
0.07417	0	0	0	0	0	0
0.13953	0	0	0	0	0	0
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0.05646	0	0	0	0	0	0
0.05646	0	0	0	0	0	0
1.12349	0	0	0	0	0	0
1.12349	0	0	0	0	0	0
0.47626	0	0	0	0	22.57356	0

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24.79209	0	0	0	0	0	0
24.79209	0	0	0	0	0	0
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24.79209	0	0	0	0	0	0
24.79209	0	0	0	0	0	0
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0.83149	0	0	0	0	0	13.23103
0.83149	0	0	0	0	0	13.23103
0	0	0	0	0	0	0.28482
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0	0	0	0	0	0	4.33241
0	0	0	0	0	0	4.33241
0.49141	0	0	0	0	0	8.24404
0.49141	0	0	0	0	0	8.24404
0.34007	0	0	0	0	0	0
0.34007	0	0	0	0	0	0

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14.20221	4.80149	97.31022	35.6552	0.22801	10.62371	4.04925
2.16867	4.79864	97.31022	18.18026	0.22801	1.98965	1.22702
0.00694	0.03296	0.33625	0.10391	0.08828	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00694	0.03296	0.33625	0.10391	0.08828	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00694	0.03296	0.33625	0.10391	0.08828	0	0
0	0	0	0.05575	0	0	0
0	0	0	0.05575	0	0	0
0	0.03296	0.33625	0.04816	0.06591	0	0
0	0.03296	0.33625	0.04816	0.06591	0	0
0	0	0	0	0	0	0
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0.00694	0	0	0	0.02237	0	0
0.00694	0	0	0	0.02237	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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2.16173	4.76568	96.97397	18.07635	0.13973	1.98965	1.22702
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.05356	0	94.03819	11.75889	0.00394	1.86409	0.03429
0.05356	0	94.03819	11.75889	0.00394	1.86409	0.03429
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1.86409	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.04704	0	94.03819	11.75889	0.00394	0	0.03265
0.04704	0	94.03819	11.75889	0.00394	0	0.03265
0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.50864	0	0	6.21505	0	0.08279	1.18995
1.50864	0	0	6.21505	0	0.08279	1.18995
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	6.21505	0	0	0
0	0	0	6.21505	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.32007	0	0	0	0	0	0
1.32007	0	0	0	0	0	0
0.18857	0	0	0	0	0	0.03488
0.18857	0	0	0	0	0	0.03488
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.08279	1.15312
0	0	0	0	0	0.08279	1.15312
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0	0	0	0	0	0	0.00195
0	0	0	0	0	0	0.00195

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0.59953	4.76568	2.93578	0.10242	0.13579	0.04277	0.00277	0.00277
0.0025	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.0025	0	0	0	0	0	0	0
0.0025	0	0	0	0	0	0	0
0.59702	4.76568	2.93578	0.10242	0.13579	0.04277	0.00277	0.00277
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0	0	0	0	0	0	0	0
0	0	0	0.00393	0	0	0.00033	0.00033
0	0	0	0.00393	0	0	0.00033	0.00033
0.00238	0	0	0	0	0.00686	0	0
0.00238	0	0	0	0	0.00686	0	0
0	0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00792	4.76568	2.93578	0.09848	0.01459	0	0
0.00792	4.76568	2.93578	0.09848	0.01459	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.58345	0	0	0	0	0	0
0.58345	0	0	0	0	0	0
0.00327	0	0	0	0	0.03591	0.00244
0.00327	0	0	0	0	0.03591	0.00244
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.12121	0	0
0	0	0	0	0.12121	0	0
1.99083	0	0	15.28653	0	5.14934	2.3231
1.99083	0	0	15.28653	0	5.14934	2.3231
0.59382	0	0	12.60195	0	0.96762	0.54584
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.59382	0	0	12.60195	0	0.96762	0.54584
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00037	0	0	0	0	0	0.3481
0.00037	0	0	0	0	0	0.3481
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0.3097	0	0	0	0	0	0
0.3097	0	0	0	0	0	0
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0.88721	0	0	1.52866	0	0.02008	0.3397
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0	0	0	0	0	0	0
0.85217	0	0	0	0	0	0.33217
0.85217	0	0	0	0	0	0.33217
0	0	0	0	0	0.02008	0
0	0	0	0	0	0.02008	0
0.03505	0	0	1.52866	0	0	0.00753
0.03505	0	0	1.52866	0	0	0.00753
0	0	0	0	0	0	0
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0	0	0	0	0	0.00168	0
0.1305	0	0	0	0	0.09683	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00771	0	0	0	0	0	0
0.00771	0	0	0	0	0	0
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0.00674	0	0	0	0	0.00289	0
0.00674	0	0	0	0	0.00289	0
0	0	0	0	0	0.01423	0
0	0	0	0	0	0.01423	0
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0	0	0	0	0	0	0
0	0	0	0	0	0.07971	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.15514	0	0	0	0	0	0.22766
0.00385	0	0	0	0	0	0
0.00385	0	0	0	0	0	0
0.00385	0	0	0	0	0	0
0	0	0	0	0	0	0
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4.68964	0	0	0	0	4.67003	19.70667
4.68964	0	0	0	0	4.67003	19.70667
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0.04819	93.03319	0	0	0	0.01526	1.79312
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0.10847	0	0	57.29646	0	0.251	0.05414
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0.02356	4.31903	0.00474	5.01683	0.32229	20.90758	11.28335

0.02356	4.31903	0.00474	5.01683	0.32229	20.90758	11.28335
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0.02356	4.31903	0.00474	5.01683	0.32229	20.90758	11.28335
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0.02356	0	0.00474	0.00793	0.16946	20.90758	11.28335
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47.42234	66.44502	36.04652	86.99625	7.02737	42.80661	6.70649
6.42312	8.36838	12.02804	36.49788	0.88623	11.29782	1.05383
3.61045	0.52942	5.22975	0.35218	0.00212	0.08113	0.23179
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0.00028	0.0018	0.08209	0	0	0.0064	0.00194
0.00028	0.0018	0.08209	0	0	0.0064	0.00194
0.00028	0.00168	0.07909	0	0	0.00327	0.00194
0.00028	0.00168	0.07909	0	0	0.00327	0.00194
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0	0.00012	0.003	0	0	0.00313	0
3.61017	0.52762	5.14766	0.35218	0.00212	0.07473	0.22985
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
3.61017	0.52762	5.14766	0.35218	0.00212	0.07473	0.22985
0.81465	0	0.01552	0	0	0	0.04174
0.81465	0	0.01552	0	0	0	0.04174
2.7888	0.52762	4.54804	0.34404	0.00212	0.07473	0.15546
2.7888	0.52762	4.54804	0.34404	0.00212	0.07473	0.15546
0	0	0	0.00814	0	0	0
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0.00672	0	0.58409	0	0	0	0
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2.81267	7.83897	6.79829	36.1457	0.8841	11.21669	0.82204
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2.81267	7.83897	6.78149	0.70636	0	11.21669	0.29458
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2.81267	7.83897	6.78149	0.70636	0	11.21669	0.29458
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0	0.00722	0.00917	0	0	0.01351	0.0369
0	0.00722	0.00917	0	0	0.01351	0.0369
0	4.00833	1.64744	0.00757	0	0.53521	0.00027
0	4.00833	1.64744	0.00757	0	0.53521	0.00027
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6.10144	1.19863	2.99104	0.32943	10.20884	0	1.68406
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6.10144	1.19863	2.99104	0.32943	10.11917	0	1.68406
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0	4.47226	0.01641	0.00275	0.00406	19.73229	0.05049
0	1.05463	0	0	0	18.36526	0.00397
0	1.05463	0	0	0	18.36526	0.00397
0	0.45961	0.0137	0	0.00406	0	0.01432
0	0.45961	0.0137	0	0.00406	0	0.01432
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0	4.54955	0	0	0	0	0

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0	0	0.06487	0	0.00464	0	0
0	0	0.06487	0	0.00464	0	0

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0.00269	0.00695	0.20072	0.00383	0.00147	0	0	0
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0.00269	0.00695	0.13668	0.00383	0.00147	0	0	0
0.00269	0.00695	0.13668	0.00383	0.00147	0	0	0
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0	0	0	0	0	0	0	0
0	2.1141	46.15393	39.53622	0	0	0	0.20065

0	2.1141	46.15393	39.53622	0	0	0.20065
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2.1141	46.15393	39.53622	0	0	0.20065
0	0.80568	0	0.56833	0	0	0
0	0.80568	0	0.56833	0	0	0
0	0.71406	0	0	0	0	0
0	0.71406	0	0	0	0	0
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0	0.39784	0.141	15.62255	0	0	0
0	0.39784	0.141	15.62255	0	0	0
0	0.01094	4.14575	8.67595	0	0	0
0	0.01094	4.14575	8.67595	0	0	0
0	0.10264	0	6.51731	0	0	0
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0	0.08295	41.86719	8.13416	0	0	0.20065
0	0.08295	41.86719	8.13416	0	0	0.20065
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0	0.22879	0	2.69618	0	0	0
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0	34.28989	1.08176	16.29886	0	0.01165	79.09158
0	34.28989	1.08176	16.29886	0	0.01165	79.09158
0	34.28989	1.08176	16.29886	0	0.01165	79.09158
0	31.58706	1.08176	16.27208	0	0.01165	74.74041
0	31.58706	1.08176	16.27208	0	0.01165	74.74041

0	0	0	0	0	0	0.38486
0	0	0	0	0	0	0
0	0.35479	0	0.02537	0	0	74.35554
0	0.35479	0	0.02537	0	0	74.35554
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2.63574	0	0.02678	0	0	4.35117
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	2.63574	0	0.02678	0	0	4.35117
0	0.00233	0	0.00715	0	0	2.42647
0	0.00233	0	0.00715	0	0	2.42647
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.09393	0	0	0	0	1.9247
0	0.09393	0	0	0	0	1.9247
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2.53947	0	0.01963	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
1.4724	3.88901	50.88589	10.75442	29.49548	81.56775	3.66813
1.4724	1.50205	43.17738	0.31705	7.73665	55.02764	3.66754
0.81408	0.80256	2.97526	0.00109	0.80976	0.23611	0.00189
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03746	0	0.00545	0.00063	0.03963	0.21622	0
0.03746	0	0.00545	0.00063	0.03963	0.21622	0
0.03746	0	0.00545	0	0.03963	0.21622	0
0.03746	0	0.00545	0	0.03963	0.21622	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00063	0	0	0
0.77662	0.80256	2.96981	0.00046	0.77014	0.01989	0.00189
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.77662	0.80256	2.96981	0.00046	0.77014	0.01989	0.00189
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.55933	0.78289	2.92254	0	0.77014	0.01406	0.00189
0.55933	0.78289	2.92254	0	0.77014	0.01406	0.00189
0.00167	0	0.01787	0.00017	0	0	0
0.00167	0	0.01787	0.00017	0	0	0
0.21562	0.01967	0	0	0	0	0
0.21562	0.01967	0	0	0	0	0
0	0	0.0294	0	0	0.00584	0
0	0	0.0294	0	0	0.00584	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.65056	0.56353	0.34157	0.24589	6.12223	54.79153	0.00992
0	0.04071	0	0.12481	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.04071	0	0.12481	0	0	0
0	0.04071	0	0.12481	0	0	0
0.65056	0.52282	0.34157	0.12108	6.12223	54.79153	0.00992
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.00992
0	0	0	0	0	0	0.00992
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00231	0	0	0	0	0	0
0.00231	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.02263	0	0.01653	0.01786	0.10782	0.30987	0
0.02263	0	0.01653	0.01786	0.10782	0.30987	0
0.09683	0.02645	0.28807	0.01342	0.00707	32.45018	0
0.09683	0.02645	0.28807	0.01342	0.00707	32.45018	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0.00068	0	0	0
0	0	0	0.00068	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.52131	0.32127	0.03698	0.04234	5.99776	20.66741	0
0.52131	0.32127	0.03698	0.04234	5.99776	20.66741	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1.24861	0
0	0	0	0	0	1.24861	0
0	0.04386	0	0.03793	0	0	0
0	0.04386	0	0.03793	0	0	0
0.00747	0	0	0	0.0012	0	0
0.00747	0	0	0	0.0012	0	0
0	0.13124	0	0.00884	0.00838	0.11546	0
0	0.13124	0	0.00884	0.00838	0.11546	0
0	0.15299	7.70852	9.81277	0.00614	19.09339	0
0	0.15299	7.70852	9.81277	0.00614	19.09339	0
0	0.01461	7.70852	0.09194	0	19.09339	0
0	0	0	0.05456	0	0	0
0	0	0	0.05456	0	0	0
0	0	0	0.05456	0	0	0
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0	0	0	0	0	0	0
0	0.01461	7.70852	0.03738	0	19.09339	0
0	0	0	0.00366	0	0	0
0	0	0	0.00366	0	0	0
0	0	0	0.00028	0	0	0
0	0	0	0.00028	0	0	0
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0	0	0	0.00716	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00157	0	0	0
0	0	0	0.00157	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.04857	0	0.05393	0	0	0
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0	0.04857	0	0.05393	0	0	0
0	0.04857	0	0.05393	0	0	0
0	0.04857	0	0.05393	0	0	0
0	0	0	0.31581	0	0	0
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0	0	0	0.31581	0	0	0
0	0	0	0.02383	0	0	0
0	0	0	0.02383	0	0	0
0	0	0	0.27114	0	0	0
0	0	0	0.27114	0	0	0
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0	0	0	0.00956	0	0	0
0	0	0	0.00956	0	0	0
0	0	0	0.01129	0	0	0
0	0	0	0.01129	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.08658	0	1.80679	0	0	0
0	0	0	0.18759	0	0	0
0	0	0	0	0	0	0
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0	0	0	0.18759	0	0	0
0	0	0	0.18759	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0.08658	0	1.09558	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0.74395	0	0	0
0	0	0	0.74395	0	0	0
0	0	0	0.0431	0	0	0
0	0	0	0.0431	0	0	0
0	0.08658	0	0.30853	0	0	0
0	0.08658	0	0.30853	0	0	0
0	0	0	0.24126	0	0	0
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0	0	0	0.19038	0	0	0
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0	0	0	0	0	0	0
0	0	0	0.00369	0	0	0
0	0	0	0.00369	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0.00346	0	0	0
0	0	0	0.00346	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0.00437	0	0
0	0	0	0	0.00437	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00177	0	0
0	0.00323	0	7.40524	0	0	0
0	0	0	0.00154	0	0	0
0	0	0	0.00154	0	0	0
0	0	0	0.00154	0	0	0
0	0	0	0	0	0	0
0	0.00323	0	5.22192	0	0	0
0	0.00323	0	5.22192	0	0	0
0	0.00323	0	5.22192	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1.98301	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1.98301	0	0	0
0	0	0	1.98301	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1.05068	0	0.30164	0	0	0
0	1.05068	0	0.30164	0	0	0
0	1.05068	0	0.30164	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.90515	0	0.2872	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.90515	0	0.2872	0	0	0
0	0.14552	0	0.01444	0	0	0
0	0	0	0.01373	0	0	0

0	0	0	0	0	0	0
0	0.00652	0	5.58	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0.00062	0	5.58	0	0	0
0	0	0	0	0	0	0
0	0.00062	0	5.58	0	0	0
0	0.0059	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0.23784	0	0	0
0	0	0	0.23784	0	0	0
0	0	0	0.23784	0	0	0
0	0	0	0.23784	0	0	0
0	0	0	0.23216	0	0	0
0	0	0	0.00568	0	0	0
0	0	0	0.00568	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
98.52491	59.19726	1.6777	23.93765	70.50305	18.39472	17.01493
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
98.52491	59.19726	1.61139	23.679	70.11645	0.01197	17.01493
98.52491	59.19726	1.61139	23.679	70.11645	0.01197	17.01493
0	0.00343	0	0.00479	0	0	0
0	0	0	0.00238	0	0	0
0	0	0	0.00238	0	0	0
0	0.00343	0	0	0	0	0
0	0.00343	0	0	0	0	0
0	0	0	0.00241	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.04337	0	1.07848	0	0	0.12683
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.04337	0	1.07848	0	0	0.12683
0	0.04337	0	1.07848	0	0	0
0	0	0	0	0	0	0.12683
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0.2718	0	0	0
0	0	0	0.2718	0	0	0
0	0	0	0.01301	0	0.00126	0
0	0	0	0.01301	0	0.00126	0
0	0	0	0	0	0.00126	0
0	0	0	0	0	0.00126	0
0	0	0	0	0	0.00126	0
0	0	0	0	0	0.00126	0
0	0	0	0.01301	0	0	0
0	0	0	0.01301	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0.01301	0	0	0
0	0	0	0.01301	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.01301	0	0	0
0	0	0	0.01301	0	0	0
0	0.26749	0	0.65852	0	0	0.0076
0	0.26749	0	0.65852	0	0	0.0076
0	0.26749	0	0.65852	0	0	0.0076

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

CHKNNC	CHKPQC	CHKXQC	CHL2KC	CHL2QC	CHL67C	CHLGAC
99.93978	99.97701	99.99406	99.97333	100	100	100
4.05627	61.60862	0	0.19624	10.52841	0	0.05968
4.05627	61.60862	0	0.19624	10.52841	0	0.05968
0	0.05708	0	0.01553	0.03135	0	0
0	0.00408	0	0.00922	0.00309	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00922	0.00309	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.00057	0
0	0	0	0	0	0.00057	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00922	0.00251	0	0
0	0	0	0.00922	0.00251	0	0
0	0.00408	0	0	0	0	0
0	0.00408	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.01584	0	0.00097	0	0	0
0	0.01584	0	0.00097	0	0	0
0	0	0	0.0005	0	0	0
0	0	0	0.0005	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00531	0	0	0	0	0

0	0.00531	0	0	0	0	0
0	0	0	0.00047	0	0	0
0	0	0	0.00047	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	7.00E-05	0	0.00534	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	7.00E-05	0	0.00534	0	0	0
0	7.00E-05	0	0.00534	0	0	0
0	7.00E-05	0	0.00534	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.02826	0	0
0	0	0	0	0.02826	0	0
0	0	0	0	0.02826	0	0
0	0	0	0	0.02826	0	0
0	0.0371	0	0	0	0	0
0	0.0002	0	0	0	0	0
0	0.0369	0	0	0	0	0
0	0.0369	0	0	0	0	0
0	0.0369	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
3.10048	59.72361	0	0.02153	10.29151	0	0

3.10048	59.72361	0	0.02153	10.29151	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3.10048	59.72361	0	0.02153	10.29151	0	0
1.50539	0	0	0	0	0	0
1.50539	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.05312	0	0	0	0.06977	0	0
0.05312	0	0	0	0.06977	0	0
0	5.75793	0	0	1.25005	0	0
0	5.75793	0	0	1.25005	0	0
0	0.95639	0	0	1.19784	0	0
0	0.95639	0	0	1.19784	0	0
0	0.08558	0	0	0	0	0
0	0.08558	0	0	0	0	0
0	0	0	0.02153	1.27672	0	0
0	0	0	0.02153	1.27672	0	0
1.54197	52.62483	0	0	6.49713	0	0
1.54197	52.62483	0	0	6.49713	0	0
0	0	0	0	0	0	0
0	0.29888	0	0	0	0	0
0	0.29888	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.95579	1.82793	0	0.15919	0.20556	0	0.05968
0.95579	1.82793	0	0.15919	0.20556	0	0.05968
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0.90921	1.3964	0	0	0	0	0	0
0.90921	1.30305	0	0	0	0	0	0
0.90921	1.30305	0	0	0	0	0	0
0	0.08158	0	0	0	0	0	0
0	0.08158	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0.01176	0	0	0	0	0	0
0	0.01176	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.03373	0.40671	0	0.15919	0.20556	0	0.05968	
0.0086	0.00544	0	0	0.02419	0	0	
0.0086	0.00544	0	0	0.02419	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0.02514	0.40127	0	0.15919	0.18137	0	0.05968	
0.01284	0.02483	0	0	0	0	0	
0.01284	0.02483	0	0	0	0	0	
0.01284	0.02483	0	0	0	0	0	
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0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
40.40353	23.72189	0	39.2673	49.74046	50.7873	44.09047	
40.40353	23.72189	0	39.2673	49.74046	50.7873	44.09047	
40.40353	23.72189	0	39.2673	49.74046	50.7873	44.09047	
18.32465	12.63607	0	33.53566	49.74046	48.33143	20.33383	
18.32465	12.63607	0	33.53566	49.74046	48.33143	20.33383	

0	3.58092	0	0	0	0	0
0	3.58092	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.02201
0	0	0	0	0	0	0.02201
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0	0	0	0	0	0	0
0	0.02342	0	2.65302	0	0	0
0	0.02342	0	2.65302	0	0	0
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0	0.00487	0	0	0	0	0
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0	0	0	0	0	0	0
1.72679	0	0	26.22101	49.74046	38.494	0
1.72679	0	0	26.22101	49.74046	38.494	0
0	0	0	0	0	0.17178	0
0	0	0	0	0	0.17178	0
0	8.38082	0	0	0	0	0
0	8.38082	0	0	0	0	0
0	0	0	0.00305	0	0	0
0	0	0	0.00305	0	0	0
8.03517	0.09273	0	0.48495	0	0	0.66252
8.03517	0.09273	0	0.48495	0	0	0.66252
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.0136	0	0	0	0	0
0	0.0136	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.00814	0	3.87323	0	0	0
0	0.00814	0	3.87323	0	0	0
0.72744	0.44168	0	0.3004	0	0	0
0.72744	0.44168	0	0.3004	0	0	0
0	0	0	0	0	9.66565	0

0	0	0	0	0	9.66565	0
0	0	0	0	0	0	0
7.83526	0.0899	0	0	0	0	19.6493
7.83526	0.0899	0	0	0	0	19.6493
0	0	0	0	0	0	0
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17.10981	1.95297	0	5.72468	0	2.01173	23.75664
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0	0.23463	0	0	0	0	0
0	0	0	0	0	0	0
17.10981	1.71834	0	5.72468	0	2.01173	23.75664
0	0.7145	0	3.75182	0	0	7.9568
0	0.7145	0	3.75182	0	0	7.9568
0	0.00928	0	0.0089	0	0	0
0	0.00928	0	0.0089	0	0	0
0	0	0	0.39037	0	0	0
0	0	0	0.39037	0	0	0
2.93607	0.09175	0	0	0	0.16749	0
2.93607	0.09175	0	0	0	0.16749	0
14.17374	0	0	0	0	0	0
14.17374	0	0	0	0	0	0
0	0.90281	0	1.57358	0	1.84424	15.79985
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
4.96906	9.13285	0	0.00696	0	0.44414	0	0
4.96906	9.13285	0	0.00696	0	0.44414	0	0
0	0	0	0	0	0.17803	0	0
0	0	0	0	0	0.17803	0	0
0	0.05731	0	0	0	0	0	0
0	0.05731	0	0	0	0	0	0
4.96906	8.24994	0	0.00696	0	0.26611	0	0
4.96906	8.24994	0	0.00696	0	0.26611	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.01702	0	0	0	0	0
0	0.01702	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.01702	0	0	0	0	0
0	0.01702	0	0	0	0	0
0.41835	0.03947	0.02996	1.40233	0.00137	0.00898	0
0	0.00643	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00643	0	0	0	0	0
0	0.00643	0	0	0	0	0
0.41835	0.03305	0.02996	1.40233	0.00137	0.00898	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00137	0	0
0	0	0	0	0.00137	0	0
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0.0012	0.02087	0.00109	0.03117	0	0	0
0.0012	0.02087	0.00109	0.03117	0	0	0
0.01877	0.011	0.02887	0.32542	0	0	0
0.01877	0.011	0.02887	0.32542	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0.00125	0	0	0	0	0	0
0.00125	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.09491	0	0	0	0	0.00898	0
0.09491	0	0	0	0	0.00898	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.30222	0.00118	0	0	0	0	0
0.30222	0.00118	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1.04574	0	0	0
0	0	0	1.04574	0	0	0
53.14154	1.15383	0	4.00104	20.29299	0.11139	0
53.14154	1.15383	0	4.00104	20.29299	0.11139	0
3.31316	0.94556	0	0	5.90218	0	0
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0	0	0	0	0	0	0
3.31316	0.94556	0	0	5.90218	0	0
0.06915	0	0	0	0	0	0
0.06915	0	0	0	0	0	0
1.3013	0	0	0	5.90218	0	0
0	0	0	0	5.90218	0	0
1.3013	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.01116	0	0	0	0	0	0
0.01116	0	0	0	0	0	0
0.05571	0.47248	0	0	0	0	0
0.05571	0.47248	0	0	0	0	0
0.02349	0.02464	0	0	0	0	0
0.02349	0.02464	0	0	0	0	0

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0	0	0	0	0	0	0	0
0.09179	0.02716	0	0	0	0	0	0
0.09179	0.02716	0	0	0	0	0	0
1.70433	0.03605	0	0	0	0	0	0
1.70433	0.03605	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0.05554	0.38523	0	0	0	0	0	0
0.05554	0.38523	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0.00189	0	0	0	0	0	0
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0	0.00189	0	0	0	0	0	0
0	0.00189	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.12663	0.08176	0	0	0.27886	0	0
0.00593	0.08127	0	0	0	0	0
0.00593	0.08127	0	0	0	0	0
0.00593	0.08127	0	0	0	0	0
0.1207	0.00049	0	0	0.27886	0	0
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0.1207	0.00049	0	0	0.27886	0	0
5.50225	0	0	0.03717	0.03448	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
5.50225	0	0	0.03717	0.03448	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03467	0	0	0.03717	0.03448	0	0
0.03467	0	0	0.03717	0.03448	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2.75547	0	0	0	0	0	0
2.75547	0	0	0	0	0	0
2.5147	0	0	0	0	0	0
2.5147	0	0	0	0	0	0
0.19742	0	0	0	0	0	0
0.19742	0	0	0	0	0	0
2.35555	0.02153	0	3.96388	4.96579	0	0
0.22775	0.00344	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.22775	0	0	0	0	0	0
0.22775	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0.00344	0	0	0	0	0
1.33839	0.01684	0	3.96388	3.95501	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00214	0.00838	0	0	0	0	0
0.00214	0.00838	0	0	0	0	0
0.55874	0.00454	0	3.8778	2.94554	0	0
0.55874	0.00454	0	3.8778	2.94554	0	0
0	0.00076	0	0	0	0	0
0	0.00076	0	0	0	0	0
0.77751	0.00316	0	0.08608	1.00947	0	0
0.77751	0.00316	0	0.08608	1.00947	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.76097	0.00125	0	0	0.37059	0	0
0.32016	0	0	0	0	0	0
0.32016	0	0	0	0	0	0
0.03408	0	0	0	0	0	0
0.03408	0	0	0	0	0	0
0.00486	0	0	0	0	0	0
0.00486	0	0	0	0	0	0
0.10452	0	0	0	0.36493	0	0
0.10452	0	0	0	0.36493	0	0
0.08035	0	0	0	0	0	0
0.08035	0	0	0	0	0	0
0	0.00125	0	0	0	0	0
0	0.00125	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00516	0	0	0	0	0	0
0.00516	0	0	0	0	0	0
0.09401	0	0	0	0	0	0
0.09401	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
38.85683	0.07021	0	0	8.8039	0	0
0.03532	0.00595	0	0	0.46319	0	0
0.03532	0.00507	0	0	0.46319	0	0
0.03532	0.00507	0	0	0.46319	0	0
0	0.00087	0	0	0	0	0
18.96392	0	0	0	0	0	0
18.96392	0	0	0	0	0	0
18.96392	0	0	0	0	0	0
0.40235	0	0	0	0	0	0
0.40235	0	0	0	0	0	0
0.40235	0	0	0	0	0	0
1.33234	0	0	0	8.34071	0	0
0.8702	0	0	0	0	0	0
0.8702	0	0	0	0	0	0
0.46214	0	0	0	8.34071	0	0
0.46214	0	0	0	8.34071	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
18.1229	0.06426	0	0	0	0	0
0.42482	0	0	0	0	0	0
0.42482	0	0	0	0	0	0
17.69808	0.06426	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.18472	0.87889	0	0	1.26189	0	0
0.18472	0.87889	0	0	1.26189	0	0
0.18472	0.87889	0	0	1.26189	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0225	0.03489	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0225	0.03489	0	0	0	0	0
0.04715	0.844	0	0	1.25932	0	0
0.00395	9.00E-05	0	0	0.06713	0	0

0.00395	9.00E-05	0	0	0.06713	0	0
0.00256	0.00511	0	0	0	0	0
0.00256	0.00511	0	0	0	0	0
0	0.8388	0	0	0	0	0
0	0.8388	0	0	0	0	0
0.00878	0	0	0	1.0396	0	0
0.00878	0	0	0	1.0396	0	0
0.01753	0	0	0	0	0	0
0.01753	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00353	0	0	0	0.15259	0	0
0.00353	0	0	0	0.15259	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01079	0	0	0	0	0	0
0.01079	0	0	0	0	0	0
0.11507	0	0	0	0	0	0
0.11507	0	0	0	0	0	0
0.11507	0	0	0	0	0	0
0	0	0	0	0.00257	0	0
0	0	0	0	0.00257	0	0
0	0	0	0	0.00257	0	0
0.54175	0.16042	0	0	6.91395	2.46819	0
0.54175	0.16042	0	0	6.91395	2.46819	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.54175	0.16042	0	0	6.91395	2.46819	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.15585	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.05828	0	0	0	0	0

0	0	0	0	0	0	0
0.245	0.00808	0	0	0	0.00583	0
0.245	0	0	0	0	0	0
0.245	0	0	0	0	0	0
0.245	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00808	0	0	0	0.00583	0
0	0.00573	0	0.00146	0	0	0
0	0.00573	0	0.00146	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.00573	0	0.00146	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00209	0	0	0	0	0
0	0.00209	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.00364	0	0.00146	0	0	0
0	0.25577	0	0.55502	0	0.36089	0
0	0.25577	0	0.55502	0	0.36089	0
0	0.25577	0	0.55502	0	0.36089	0
0	0.25577	0	0.55502	0	0.36089	0
0	0.22347	0	0.51884	0	0.35457	0
0	0.0323	0	0.03619	0	0.00632	0
0	0.0323	0	0.03619	0	0.00632	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.26946	6.06922	0.00614	0.01872	3.02542	44.98025	55.26839
0.26054	4.26162	0.00614	0	1.95243	35.17519	34.95736
0.26054	4.26162	0.00614	0	1.95243	35.17519	34.95736
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00892	1.8076	0	0.01872	1.07299	9.80506	20.31103
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.74515	95.3283	54.30853	0.01953	0	0
0	0.17174	92.10416	6.75559	0	0	0
0	0.17174	92.10416	6.75559	0	0	0
0	0.45233	0	47.55293	0	0	0
0	0.45233	0	47.55293	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.12107	3.22414	0	0.01953	0	0
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0	0	0	0	0.11124	0.67804	0
0	0	0	0	0.11124	0.67804	0
0	0	0	0	0.11124	0.67804	0
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0	0	0	0	0.10901	0	0
0	0	0	0	0.00538	0	0
0	0	0	0	0.00538	0	0
0	0	0	0	0.04303	0	0
0	0	0	0	0.04303	0	0
0	0	0	0	0.0606	0	0
0	0	0	0.07337	0.38791	0	0
0	0	0	0.07337	0.38791	0	0

0	0	0	0.07337	0.38791	0	0
0	2.30622	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2.30622	0	0	0	0	0
0	2.30622	0	0	0	0	0
0	0	0	0	0	0	0
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0.29357	0.14998	0	0	0	0	0
0.29357	0.14998	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00027	0	0	0	0	0
0	0.00027	0	0	0	0	0
0.29357	0.1497	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.29357	0.1497	0	0	0	0	0
0.29357	0.1497	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.29357	0.1497	0	0	0	0	0
0.29357	0.1497	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.00658	2.02341	0	0	0.03953	0	0
0	2.01702	0	0	0.03953	0	0
0	2.01702	0	0	0.03953	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.09269	0	0	0.03953	0	0
0	0.09269	0	0	0.03953	0	0
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0	0	0	0	0	0	0

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0	0.0061	0	0	0	0	0
0	0.0061	0	0	0	0	0
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0	0.0061	0	0	0	0	0
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0	0.0061	0	0	0	0	0
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0	0.0061	0	0	0	0	0
0.06022	0.01689	0.00594	0.02667	0	0	0
0.06022	0.01689	0.00594	0.02667	0	0	0
0.06022	0.01689	0.00594	0.02667	0	0	0

0.05629	0.01689	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.05629	0	0	0	0	0	0
0.05629	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.01689	0	0	0	0	0
0	0.01689	0	0	0	0	0
0	0	0	0.02667	0	0	0
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0	0	0	0.02667	0	0	0

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0	0	0	0	0	0	0	0
0	0	0.00029	0	0	0	0.0198	0
0	0	0.00029	0	0	0	0.0198	0
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0	0	0	0	0	0	0	0.17022
0	0	0	0	0	0	0	0.17022
0	0	0	0	0	0	0	0.17022
0	0	0	0	0	0	0	0.17022
0.00373	0.10814	0.03161	5.26555	0.02782	0	0	0.00542
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0.00373	0.10814	0.03161	5.26555	0.02782	0	0	0.00542
0.00199	0.10814	0.03161	5.26555	0.02782	0	0	0.00542
0.00199	0.10814	0.03161	5.26555	0.02782	0	0	0.00542
0.00174	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0.00676	0	0	0	0	0.00078	0.84873
0	0.00676	0	0	0	0	0	0
0	0	0	0	0	0	0.00078	0.84873
0	0	0	0	0	0	0.00078	0
0	0	0	0	0	0	0.00078	0
0	0	0	0	0	0	0	0.84873
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0	0	0	0	0	0	0	0
39.26754	93.72907	0.00924	13.6716	0	38.0328	41.54275	

39.26754	93.72907	0.00924	13.6716	0	38.0328	41.54275
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
39.2628	93.72907	0.00924	13.6716	0	37.61146	41.54275
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0	0	0	0	0	0	0
0	0.1693	0	1.43578	0	0	0
0	0.1693	0	1.43578	0	0	0
19.96509	86.62037	0	0.33443	0	0	0
19.96509	86.62037	0	0.33443	0	0	0
8.37277	6.9394	0	0.00672	0	0	41.13102
8.37277	6.9394	0	0.00672	0	0	41.13102
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	15.97586	0.41173
0	0	0	0	0	15.97586	0.41173
10.67802	0	0.00924	11.89468	0	21.63559	0
10.67802	0	0.00924	9.66187	0	21.63559	0
0	0	0	2.23282	0	0	0
0.24693	0	0	0	0	0	0
0.24693	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00474	0	0	0	0	0	0
0.00474	0	0	0	0	0	0
0.00474	0	0	0	0	0	0
0	0	0	0	0	0.42134	0
0	0	0	0	0	0	0
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0.52237	0	0	0	0	0	0
0.52237	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03148	0	0	0	0	0	0
0.03148	0	0	0	0	0	0
0.03148	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.42674	0	0	0	0	0	0
0.00751	0	0	0	0	0	0
0.00751	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.41923	0	0	0	0	0	0
0.05638	0	0	0	0	0	0
0.05638	0	0	0	0	0	0
0.05638	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00778	0	0	0	0	0	0
0.00778	0	0	0	0	0	0
0.00778	0	0	0	0	0	0
0	0	0	0	0	0	0
7.46767	0.15245	47.5435	5.16989	0	0	0
7.46767	0.15245	47.5435	5.16989	0	0	0
7.46767	0.15245	47.5435	5.16989	0	0	0
1.77103	0.15166	47.5435	5.16584	0	0	0
1.77103	0.15166	47.5435	5.16584	0	0	0

0.36307	0.11511	0	0.01183	0	0	0
0.36307	0.11511	0	0.01183	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.61031	0	0.00041	4.89757	0	0	0
0.61031	0	0.00041	4.89757	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.0582	0	0	0
0	0	0	0.0582	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01773	0	0	0.0075	0	0	0
0.01773	0	0	0.0075	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0.1568	0	0	0
0	0	0	0.1568	0	0	0
0.77992	0	0	0	0	0	0
0.77992	0	0	0	0	0	0
0	0.03656	0	0.00758	0	0	0

0	0.03656	0	0.00758	0	0	0
0	0	0	0	0	0	0
0	0	47.54309	0.02636	0	0	0
0	0	47.54309	0.02636	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00499	0.00078	0	0.00404	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00078	0	0.00404	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00078	0	0.00404	0	0	0
0.00499	0	0	0	0	0	0
0.00372	0	0	0	0	0	0

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0	0	0	0	0	0	0
0.00127	0	0	0	0	0	0
0.00127	0	0	0	0	0	0
0.03007	0	0	0	0	0	0
0.03007	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01228	0	0	0	0	0	0
0.01228	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0178	0	0	0	0	0	0
0.0178	0	0	0	0	0	0
5.66158	0	0	0	0	0	0
5.66158	0	0	0	0	0	0
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0.01559	0	0	0	0	0	0
5.64598	0	0	0	0	0	0
5.64598	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0
32.90181	3.42346	17.69875	57.19387	0.01528	5.57147	38.21705	
1.67755	3.42346	5.15728	57.17513	0.01528	0.99602	1.7861	
0	0.25926	0.06724	0.39352	0.01356	0.26946	0.06917	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0.04003	0	0.03189	0.01356	0	0.00459	
0	0.04003	0	0.03189	0.01356	0	0.00459	
0	0.04003	0	0.03099	0.01338	0	0.00459	
0	0.04003	0	0.03099	0.01338	0	0.00459	
0	0	0	0.0009	0	0	0	
0	0	0	0.0009	0	0	0	
0	0	0	0	0.00018	0	0	
0	0.21923	0.06724	0.36164	0	0.26946	0.06458	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0.21923	0.06724	0.36164	0	0.26946	0.06458	
0	0.00033	0.00205	0	0	0	0	
0	0.00033	0.00205	0	0	0	0	
0	0.0266	0.06518	0.36102	0	0.00575	0.0604	
0	0.0266	0.06518	0.36102	0	0.00575	0.0604	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0.19181	0	0.00062	0	0.02345	0.00417	
0	0.19181	0	0.00062	0	0.02345	0.00417	
0	0.0005	0	0	0	0.24026	0	
0	0.0005	0	0	0	0.24026	0	

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.08268	2.94194	3.44246	56.60188	0.00172	0.61607	0.26288
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.08268	2.94194	3.44246	56.60188	0.00172	0.61607	0.26288
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.07802	0	0	0	0	0
0	0.07802	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00221	0.03066	0	0	0
0	0	0.00221	0.03066	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.1175	0	0	0	0	0
0	0.1175	0	0	0	0	0
0	0.00233	0.00217	0.10539	0.00172	0.03289	0.02966
0	0.00233	0.00217	0.10539	0.00172	0.03289	0.02966
0.05885	0.02156	0.06831	0.56334	0	0	0.04069
0.05885	0.02156	0.06831	0.56334	0	0	0.04069
0	0.49971	0	0	0	0	0

0	0.49971	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00541	2.22216	3.36979	55.83397	0	0.58096	0.0503
0.00541	2.22216	3.36979	55.83397	0	0.58096	0.0503
0	0	0	0.01968	0	0	0
0	0	0	0.01968	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01841	0.00064	0	0.02156	0	0	0.00487
0.01841	0.00064	0	0.02156	0	0	0.00487
0	0	0	0.02728	0	0	0.00417
0	0	0	0.02728	0	0	0.00417
0	0	0	0	0	0.00223	0.13318
0	0	0	0	0	0.00223	0.13318
20.12715	0	5.46402	0.01874	0	1.26354	28.97023
20.12715	0	5.46402	0.01874	0	1.26354	28.97023
4.57514	0	5.46402	0.00222	0	1.26354	24.79044
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4.57514	0	5.46402	0.00222	0	1.26354	24.79044
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.51502	0	0	0	0	0	0
0.51502	0	0	0	0	0	0
0	0	0	0	0	0	0
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0.56656	0	0	0	0	0	0
0.56656	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3.16146	0	0	0	0	0	0
3.16146	0	0	0	0	0	0
0.06852	0	0	0	0	0	0
0.06852	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.26358	0	0	0	0	0	0
0.26358	0	0	0	0	0	0
0	0	5.46402	0.00222	0	1.26354	0.0528
0	0	5.46402	0.00222	0	1.26354	0.0528
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0	0	0	0	0	0	0
0	0	0	0	0	0	0.6252
0	0	0	0	0	0	0.6252
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0	0	0	0	0	0	24.11243
0	0	0	0	0	0	24.11243
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0	0	0	0	0	0	0
0.00019	0	0	0	0	0	0.05107
0.00019	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.00019	0	0	0	0	0	0
0.00019	0	0	0	0	0	0
0	0	0	0	0	0	0.05107
0	0	0	0	0	0	0.05107
0	0	0	0	0	0	0.05107

3.86273	0	0	0	0	0	0.11525
2.5435	0	0	0.01653	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.32213	0	0	0	0	0	0
0.32213	0	0	0	0	0	0
2.12741	0	0	0.01653	0	0	0
2.12741	0	0	0.01653	0	0	0
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0.09395	0	0	0	0	0	0
0.09395	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0.08853	0	0	0	0	0	0
0.03622	0	0	0	0	0	0
0.03622	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.00219	0	0	0	0	0	0
0.00219	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00451	0	0	0	0	0	0

0.00451	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.04452	0	0	0	0	0	0
0.04452	0	0	0	0	0	0
0.00109	0	0	0	0	0	0
0.00109	0	0	0	0	0	0
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0.00026	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.00026	0	0	0	0	0	0
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0.00972	0	0	0	0	0	1.70322
0.00972	0	0	0	0	0	1.70322
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00863	0	0	0	0	0	1.70322
0.00863	0	0	0	0	0	1.70322
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0	0	0	0	0	0	0
0.00109	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
7.10345	0	0	0	0	0	0
0.38541	0	0	0	0	0	0
0.38541	0	0	0	0	0	0
0.38541	0	0	0	0	0	0
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6.71804	0	0	0	0	0	0
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0	0	0	0	0	0	0
6.71804	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.99894	0	0	0	0	0	1.04748
0.99894	0	0	0	0	0	1.04748
0.99894	0	0	0	0	0	1.04748
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0.66482	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.66482	0	0	0	0	0	0
0.33412	0	0	0	0	0	1.04748
0.01187	0	0	0	0	0	0.0786

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0	0	0	0	0	0	0
6.22647	0	0	0	0	0	0
0	0	0	0	0	0	0
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6.22647	0	0	0	0	0	0
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0	0	0	0	0	0	0
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3.8717	0	7.07744	0	0	3.31191	6.41324
0	0	0.82508	0	0	0	0.00591
0	0	0.82508	0	0	0	0.00591
0	0	0.23152	0	0	0.47289	0.33883
0	0	0.23152	0	0	0.47289	0.33883
3.43776	0	4.58495	0	0	1.59394	1.43093
0	0	0	0	0	0	0
3.43776	0	4.58495	0	0	1.59394	1.43093
0.11408	0	0	0	0	0	0
0.11408	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.31987	0	1.43588	0	0	1.24508	4.63757
0	0	0.02103	0	0	0	0
0	0	0.02103	0	0	0	0
0	0	0.02103	0	0	0	0
0	0	0.02103	0	0	0	0
0	0	0.02103	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.02103	0	0	0	0
0	0	0.02103	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0.00278	0	0.01158	0	0	0	0
0.00278	0	0.01158	0	0	0	0
0.00278	0	0.01158	0	0	0	0
0.00278	0	0.01158	0	0	0	0
0	0	0.01158	0	0	0	0
0	0	0.01158	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00278	0	0	0	0	0	0
0.00278	0	0	0	0	0	0
13.59519	2.58013	34.68368	18.4131	97.98638	56.37515	19.21484
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
13.58985	2.58013	32.44539	17.89109	90.02972	56.27086	18.63842
13.58985	2.58013	32.44539	17.89109	90.02972	56.27086	18.63842
0	0	0	0.04804	0	0	0
0	0	0	0.00101	0	0	0
0	0	0	0.00101	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.04703	0	0	0
0	0.00091	0	0	0	0	0
0	0.00091	0	0	0	0	0
0	0.00091	0	0	0	0	0
0	0	0	0	0	0	0
4.72932	0	0	1.58156	86.95988	29.6586	2.81859
0	0	0	0.14412	0	0	0
0	0	0	0.14412	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4.72932	0	0	1.43744	86.95988	29.6586	2.81859
4.72932	0	0	1.43744	86.95988	29.6586	2.81859
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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3.69872	0	0	0	0	0	0
3.69872	0	0	0	0	0	0
3.69872	0	0	0	0	0	0
3.69872	0	0	0	0	0	0
3.69872	0	0	0	0	0	0
3.69872	0	0	0	0	0	0
3.69872	0	0	0	0	0	0
0	0	0	0.27166	0	0	0
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2.54019	0	0	0	0	0	0
2.54019	0	0	0	0	0	0
2.54019	0	0	0	0	0	0

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0.00335	0	0	0	0	0	0
0.00335	0	0	0	0	0	0
0.0217	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.0061	0	0	0.07192	0.00755	0	0.00228
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0061	0	0	0.07192	0.00755	0	0.00228
0.00244	0	0	0.07192	0.00755	0	0.00228
0.00244	0	0	0.07192	0.00755	0	0.00228
0.00367	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
37.43016	36.33348	5.74181	61.13824	61.63747	0	27.45538

37.43016	36.33348	5.74181	61.13824	61.63747	0	27.45538
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
37.43016	36.33348	5.74181	61.13824	61.63747	0	27.45538
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
14.89898	36.33348	0	61.13824	15.03292	0	0.66645
14.89898	36.33348	0	61.13824	15.03292	0	0.66645
11.36908	0	0	0	4.47221	0	26.17488
11.36908	0	0	0	4.47221	0	26.17488
0.01525	0	0.39494	0	0	0	0.0159
0.01525	0	0.39494	0	0	0	0.0159
0	0	0	0	0	0	0.00213
0	0	0	0	0	0	0.00213
11.13929	0	5.34687	0	42.13234	0	0.59603
11.13929	0	5.34687	0	42.13234	0	0.59603
0	0	0	0	0	0	0
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0.00756	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.23144	0	3.729	0	0.20288	0	0.01234
0.23144	0	3.729	0	0.20288	0	0.01234
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0	0	0	0	0	0	0

0.00226	0	0	0	0.00075	0	0
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0.00226	0	0	0	0.00075	0	0
0.00226	0	0	0	0.00075	0	0
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0	0	3.46449	0	0	0	0.01234
0	0	3.46449	0	0	0	0.01234
0	0	3.46449	0	0	0	0.01234
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.22919	0	0.26452	0	0.19897	0	0
0	0	0	0	0.00998	0	0
0	0	0	0	0.00998	0	0
0	0	0	0	0.08517	0	0
0	0	0	0	0.08517	0	0
0.22919	0	0.26452	0	0.10381	0	0
0	0	0	0	0.00317	0	0
0	0	0	0	0.00317	0	0
0	0	0	0	0.00317	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.1001	7.08203	74.85189	0.05981	0.01658	0.00119	0.84643
1.1001	7.08203	74.85189	0.05981	0.01658	0.00119	0.84643
1.1001	7.08203	74.85189	0.05981	0.01658	0.00119	0.84643
0	7.08203	66.63716	0.05981	0	0	0.82567
0	7.08203	66.63716	0.05981	0	0	0.82567

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0	6.93064	0	0	0	0	0.03856
0	6.93064	0	0	0	0	0.03856
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0	0	0.93314	0	0	0	0.33277
0	0	0.93314	0	0	0	0.33277
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0	0	16.50242	0	0	0	0
0	0	16.50242	0	0	0	0
0	0.1186	0.44446	0.05981	0	0	0

0	0.1186	0.44446	0.05981	0	0	0
0	0	0	0	0	0	0
0	0.03278	48.75713	0	0	0	0.02991
0	0.03278	48.75713	0	0	0	0.02991
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1.09881	0	8.21473	0	0.01658	0	0.01876
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0	0	0	0	0	0	0
0.71934	0	0	0	0	0	0.01876
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0.71934	0	0	0	0	0	0
0.71934	0	0	0	0	0	0
0	0	0	0	0	0	0.01876
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0.179	0	8.21473	0	0	0	0
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0	0	0	0	0	0	0
0.179	0	8.21473	0	0	0	0
0.20048	0	0	0	0.01658	0	0
0	0	0	0	0.01647	0	0

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0	0	0	0	0	0	0
11.26206	3.75676	0.72704	17.11628	16.58795	9.30074	46.50305
2.02671	3.75676	0.31555	17.11628	2.80377	4.08423	2.88518
0.00098	0.38904	0.00064	14.79423	0.00629	3.89893	0.04451
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0.00482	0	0.02311	0	0.01213	0.03083
0	0.00482	0	0.02311	0	0.01213	0.03083
0	0.00482	0	0.0225	0	0.00719	0.02811
0	0.00482	0	0.0225	0	0.00719	0.02811
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00061	0	0.00494	0.00272
0.00098	0.38423	0.00064	14.77113	0.00629	3.8868	0.01369
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00098	0.38423	0.00064	14.77113	0.00629	3.8868	0.01369
0	0	0	0	0.00629	0.88203	0.0044
0	0	0	0	0.00629	0.88203	0.0044
0.00098	0.38423	0.00064	14.47277	0	3.00478	0.00542
0.00098	0.38423	0.00064	14.47277	0	3.00478	0.00542
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.29836	0	0	0.00386
0	0	0	0.29836	0	0	0.00386
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.15127	3.09944	0.28454	2.32204	0.1223	0.18038	1.91631	
0.06509	0	0.00288	0	0	0	0.20709	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0.06509	0	0.00288	0	0	0	0.20709	
0.06509	0	0.00288	0	0	0	0.20709	
0.08618	3.09944	0.28166	2.32204	0.1223	0.18038	1.70922	
0	0	0	0	0	0	0.13191	
0	0	0	0	0	0	0.13191	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0.01209	0	0	0	0	0	0	
0.01209	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0.00214	0.01661	
0	0	0	0	0	0.00214	0.01661	
0.01037	0	0	0	0	0	0	
0.01037	0	0	0	0	0	0	
0.01146	0	0	0	0	0	0	
0.01146	0	0	0	0	0	0	
0.0004	0.00847	0.00105	0.0896	0.00052	0.02451	0.04624	
0.0004	0.00847	0.00105	0.0896	0.00052	0.02451	0.04624	
0.00603	0.41244	0.01481	0.57099	0.01244	0.06643	0.01719	
0.00603	0.41244	0.01481	0.57099	0.01244	0.06643	0.01719	
0.03487	0	0	0	0	0	0	

0.03487	0	0	0	0	0	0	0
0	0	0	0	0	0.00033	0	0.00252
0	0	0	0	0	0.00033	0	0.00252
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	2.66314	0.26579	1.4949	0.09367	0.0873	1.4682	
0	2.66314	0.26579	1.4949	0.09367	0.0873	1.4682	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.01096	0	0	0	0.01535	0	0.00387	
0.01096	0	0	0	0.01535	0	0.00387	
0	0.00038	0	0	0	0	0	0
0	0.00038	0	0	0	0	0	0
0	0.01501	0	0.16655	0	0	0.02269	
0	0.01501	0	0.16655	0	0	0.02269	
5.80684	0	0.00103	0	9.34203	4.15466	6.92066	
5.80684	0	0.00103	0	9.34203	4.15466	6.92066	
0.07173	0	0.00103	0	6.55737	3.48875	3.6092	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	4.38914	0	0	0
0	0	0	0	4.38914	0	0	0
0	0	0	0	4.38914	0	0	0
0.07173	0	0.00103	0	2.16823	3.48875	3.6092	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0.1481	0	0.09983	
0	0	0	0	0.1481	0	0.09983	
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	1.99566	
0	0	0	0	0	0	1.99566	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0.25706	0	0.20531
0	0	0	0	0	0.01988	0	0.07867

0	0	0	0	0	0	0	0
0	0	0	0	0	0.23718	0	0.12663
0	0	0	0	0	0.01133	0	0.00012
0	0	0	0	0	0.01133	0	0.00012
0	0	0	0	0	1.1288	0	0.19719
0	0	0	0	0	1.1288	0	0.19719
0	0	0.00103	0	0	0.51316	3.48875	0.00185
0	0	0.00103	0	0	0.51316	3.48875	0.00185
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.07173	0	0	0	0	0.10979	0	1.10595
0.07173	0	0	0	0	0.10979	0	1.10595
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0.00329
0	0	0	0	0	0	0	0.00329
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0	0	0	0	0	0	0	0
0.0133	0	0	0	0	0	0	0
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0.0133	0	0	0	0	0	0	0
0.0133	0	0	0	0	0	0	0

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0	0	0	0	0	0	0.00011
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0	0	0	0	0	0	0.03262
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0.00861	0	0	0	0	0	0.05329
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0	0	0	0	0	0	0.00139
0	0	0	0	0	0	0

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0.00861	0	0	0	0	0	0.01526
0.00861	0	0	0	0	0	0.01526
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0	0	0	0	0	0	0.011
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0	0	0	0	0	0	0.1536
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0.00458	0	0	0	0.6706	0	0.44789
0	0	0	0	0.6706	0	0.44789
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0	0	0	0	0.6706	0	0.44789
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00458	0	0	0	0	0	0

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0	0	0	0	0	0	0
0.00054	0	0	0	0	0	0
0.00054	0	0	0	0	0	0
0.00403	0	0	0	0	0	0
4.69196	0	0	0	0.62804	0	0.83671
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0	0	0	0	0	0	0
4.53195	0	0	0	0.00131	0	0
4.53195	0	0	0	0.00131	0	0
4.53195	0	0	0	0.00131	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.33682
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.33682
0	0	0	0	0	0	0.33682
0.16001	0	0	0	0.62673	0	0.49988
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.16001	0	0	0	0.62673	0	0.49988
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00614	0	0	0	2.09475	0	0.17645
0.00614	0	0	0	2.09475	0	0.17645
0.00614	0	0	0	2.09475	0	0.17645
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0.03263	0	0.10912
0	0	0	0	2.06212	0	0.06733
0	0	0	0	0.12506	0	0.00036

0.00123	0	0	0	0.00593	0	0
0.00123	0	0	0	0.00593	0	0
0.00123	0	0	0	0.00593	0	0
0.00123	0	0	0	0.00593	0	0
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0.00123	0	0	0	0	0	0
0.00123	0	0	0	0	0	0
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25.50813	52.82774	14.95026	21.61376	21.53625	90.68881	25.04007
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
25.50536	52.82774	14.92011	21.55831	21.34272	90.42526	4.03934
25.50536	52.82774	14.92011	21.55831	21.34272	90.42526	4.03934
0.04065	0	0	0	0	0	1.67608
0.02243	0	0	0	0	0	1.3426
0.02243	0	0	0	0	0	1.3426
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0.01822	0	0	0	0	0	0.33347
0	0	0	0	0.70697	0	0
0	0	0	0	0.70697	0	0
0	0	0	0	0.70697	0	0
0	0	0	0	0	0	0
0.74786	0	0.16695	20.41282	0.22677	0	0.09372
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0	0	0	0	0	0	0
0.74546	0	0.16695	20.41282	0.22677	0	0.09372
0.74546	0	0.16695	20.41282	0.22677	0	0.09372
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

0.00412	0	0	0	0	0	0
0.00412	0	0	0	0	0	0
0.00412	0	0	0	0	0	0
20.57607	52.82774	11.15206	1.1094	19.5883	90.3981	1.31192
14.80669	39.06013	7.84251	0.05946	13.97829	64.78923	0.81634
14.80669	39.06013	7.84251	0.05946	13.97829	64.78923	0.81634
0.00062	0	0	0	0	0	0
0.00062	0	0	0	0	0	0
5.76876	13.76761	3.30955	1.04994	5.61001	25.60887	0.49558
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3.87609	0	2.79192	0.03609	0.82068	0	0.9567
0.93456	0	0.51623	0	0.05	0	0.02181
0.93456	0	0.51623	0	0.05	0	0.02181
2.07842	0	1.47658	0.00809	0.56944	0	0.81514
2.07842	0	1.47658	0.00809	0.56944	0	0.81514
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0	0	0	0	0	0	0
0.86311	0	0.79911	0.02799	0.20124	0	0.11975
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0.26057	0	0.0353	0	0	0	0
0.26057	0	0.0353	0	0	0	0
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0	0	0	0.02818	0.18689	0.26355	21.00073
0	0	0	0.02818	0.18689	0.26355	21.00073
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0	0	0	0.02818	0.18689	0.26355	20.97382
0	0	0	0.01141	0.00062	0.00715	0.88202
0	0	0	0.01141	0.00062	0.00715	0.88202
0	0	0	0.01168	0	0.021	0
0	0	0	0.01168	0	0.021	0
0	0	0	0.00509	0	0	0.15456
0	0	0	0.00509	0	0	0.15456
0	0	0	0	0.18627	0.23541	19.89597
0	0	0	0	0.18627	0.23541	19.89597
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0.0006	0	0.01781	0.02358	0	0	0
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0.0006	0	0.01781	0.01676	0	0	0
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0	0	0	0.00682	0	0	0
0	0	0	0.00682	0	0	0
0	0	0	0	0	0	0
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0.00218	0	0.01234	0.0037	0.00664	0	0
0.00218	0	0.01234	0.0037	0.00664	0	0
0.00218	0	0.01234	0.0037	0.00466	0	0
0.00218	0	0.01234	0.0037	0.00466	0	0
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	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
24.36861		0	0	0	0	0	0
24.36861		0	0	0	0	0	0
24.36861		0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

CHN99C	CHNKOC	CHNPMC	CHNUJC	CHNZ5C	CHO52C	CHO58C
100	100	100	100	100	100	99.97117
35.26761	0.00727	0.09353	1.75548	1.91966	0.00474	0.448
35.26761	0.00727	0.09353	1.75548	1.91966	0.00474	0.448
0	0.00727	0.09353	0	1.91966	0	0.00504
0	0	0	0	0.2173	0	0.00132
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.2173	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.02456	0	0
0	0	0	0	0.02456	0	0
0	0	0	0	0.18802	0	0
0	0	0	0	0.18802	0	0
0	0	0	0	0.00472	0	0
0	0	0	0	0.00472	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.00132
0	0	0	0	0	0	0.00132
0	0	0	0	0	0	0.00132
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00255	0	0

0	0	0	0	0.00255	0	0
0	0	0	0	0.02687	0	0
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0	0	0	0	0	0	0
0	0	0.09353	0	1.64734	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.09353	0	1.64734	0	0
0	0	0.05801	0	1.64734	0	0
0	0	0.05801	0	1.64734	0	0
0	0	0.03552	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00727	0	0	0.0256	0	0.00372
0	0	0	0	0.01876	0	0.00349
0	0.00727	0	0	0.00685	0	0.00023
0	0.00727	0	0	0.00685	0	0.00023
0	0.00727	0	0	0.00685	0	0.00023
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
35.26761	0	0	1.62773	0	0	0.44296

35.26761	0	0	1.62773	0	0	0.44296
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
35.26761	0	0	1.62773	0	0	0.44296
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0	0	0	0.18599	0	0	0
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1.08693	0	0	0.45798	0	0	0
1.08693	0	0	0.45798	0	0	0
0	0	0	0.30642	0	0	0
0	0	0	0.30642	0	0	0
0	0	0	0.1835	0	0	0
0	0	0	0.1835	0	0	0
0	0	0	0	0	0	0.41444
0	0	0	0	0	0	0.41444
34.18068	0	0	0.24337	0	0	0.02852
26.85395	0	0	0.24337	0	0	0.02852
7.32673	0	0	0	0	0	0
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14.87521	21.28807	0	57.38518	0	0	0	0
14.87521	21.28807	0	57.38518	0	0	0	0
14.87521	21.28807	0	57.38518	0	0	0	0
14.87521	21.28807	0	13.68645	0	0	0	0
14.87521	21.28807	0	13.68645	0	0	0	0

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	0	0	0	3.08025	0	0	0
	0	0	0	3.08025	0	0	0
14.15628	0	0	0	2.14223	0	0	0
14.15628	0	0	0	2.14223	0	0	0
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	0	0	0	0.10475	0	0	0
	0	0	0	0.10475	0	0	0
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	0	0	0	2.15009	0	0	0
0.17592	0	0	0	0.08092	0	0	0
0.17592	0	0	0	0.08092	0	0	0
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0.00114	0	0	0	0	0	0	0
0.00114	0	0	0	0	0	0	0
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0.5169	0	0	0	0	0	0	0
0.5169	0	0	0	0	0	0	0
	0	0	0	0.069	0	0	0
	0	0	0	0.069	0	0	0
0.02326	0	0	0	0	0	0	0

0.02326	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00171	21.28807	0	6.05921	0	0	0
0.00171	21.28807	0	6.05921	0	0	0
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0	0	0	43.60384	0	0	0
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0	0	0	42.02577	0	0	0
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0	0	0	0	0	0	0
0.68059	0.70627	69.66071	18.82832	56.39981	4.09373	75.61285
0.67753	0.68706	7.47519	0.40001	14.45194	1.3467	4.7899
0	0.60187	0.5584	0.12269	0.83922	0.26263	1.1628
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.02072	0	0.00294
0	0	0	0	0.02072	0	0.00294
0	0	0	0	0.00948	0	0.00294
0	0	0	0	0.00948	0	0.00294
0	0	0	0	0.00428	0	0
0	0	0	0	0.00428	0	0
0	0	0	0	0.00696	0	0
0	0.60187	0.5584	0.12269	0.8185	0.26263	1.15985
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.60187	0.5584	0.12269	0.8185	0.26263	1.15985
0	0.00223	0	0	0	0	0
0	0.00223	0	0	0	0	0
0	0.47696	0.02318	0.12209	0.81286	0.26263	0.58843
0	0.47696	0.02318	0.12209	0.81286	0.26263	0.58843
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.12219	0.53522	0.0006	0	0	0.56681
0	0.12219	0.53522	0.0006	0	0	0.56681
0	0.0005	0	0	0.00564	0	0.00462
0	0.0005	0	0	0.00564	0	0.00462

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.16455	0.00902	4.39635	0.23598	0.0708	1.08407	3.62711
0	0	0	0.00969	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00969	0	0	0
0	0	0	0.00969	0	0	0
0.16455	0.00902	4.39635	0.2263	0.0708	1.08407	3.62711
0	0.00512	0	0	0	0	0
0	0.00512	0	0	0	0	0
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0	0	0	0	0.03244	0	0
0	0	0	0	0.03244	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00246	0.01544	0.004	0.03683	0	0.00285
0	0.00246	0.01544	0.004	0.03683	0	0.00285
0	0	0.6608	0.04253	0	0.02005	1.48481
0	0	0.6608	0.04253	0	0.02005	1.48481
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00152	35.87018	2.74703	0
0	0	0	0.00152	35.87018	2.74703	0
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0	0	0	0	0.01065	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0.00015	0	0
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0	0	0	0	0	0	0

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0	0	0	0.10342	0	0	0
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0	0	0	0.046	1.96632	0	0
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0	0	0	0	0	0	0
0	0	0	15.08076	0	0	0
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0	0	0	13.73051	0	0	0
0	0	0	1.35025	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

CHOAMC	CHODGC	CHONXC	CHOZGC	CHP1HC	CHP2QC	CHP5PC
100	74.17812	99.90448	100	100	99.9831	100
59.44466	11.81123	0.96481	0.00545	8.64889	46.50778	0
59.44466	11.81123	0.96481	0.00545	8.64889	46.50778	0
0.05301	0.18612	0.10479	0.005	0	0.27464	0
0.04894	0	0.06546	0	0	0.0919	0
0	0	0	0	0	0.00197	0
0	0	0	0	0	0.00197	0
0	0	0	0	0	0.00197	0
0.03795	0	0.06546	0	0	0.00569	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.06546	0	0	0	0
0	0	0.06546	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03795	0	0	0	0	0.00569	0
0.03795	0	0	0	0	0.00569	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01099	0	0	0	0	0.08424	0
0.01099	0	0	0	0	0.08424	0
0.01099	0	0	0	0	0.08424	0
0	0	0.00742	0	0	0	0
0	0	0.00742	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00742	0	0	0	0

59.39165	11.6251	0.83611	0	8.64889	45.92915	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
59.39165	11.6251	0.83611	0	8.64889	45.92915	0
6.43197	0	0	0	0	0	0
6.43197	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	8.64889	0	0
0	0	0	0	8.64889	0	0
0	0	0.31116	0	0	34.51353	0
0	0	0.31116	0	0	34.51353	0
11.27433	0.83505	0	0	0	0	0
11.27433	0.83505	0	0	0	0	0
0.12881	0	0	0	0	0	0
0.12881	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
41.55654	10.79006	0.35538	0	0	8.82681	0
41.55654	10.79006	0.35538	0	0	8.82681	0
0	0	0	0	0	0	0
0	0	0.16957	0	0	2.58882	0
0	0	0.16957	0	0	2.58882	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.02392	0.00045	0	0.30399	0
0	0	0.02392	0.00045	0	0.30399	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0.00245	0	0	0	0
0	0	0.00245	0	0	0	0
0	0	0.00245	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.02147	0.00045	0	0.30399	0
0	0	0.0003	0	0	0.00882	0
0	0	0.0003	0	0	0.00882	0
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0	0	0	0	0	0	0
0	0	0.02117	0.00045	0	0.29518	0
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0	0	0	0	0	0	0
0	0	1.41589	32.35319	0	26.79703	0
0	0	1.41589	32.35319	0	26.79703	0
0	0	1.41589	32.35319	0	26.79703	0
0	0	1.41589	32.35319	0	23.44927	0
0	0	1.41589	32.35319	0	23.44927	0

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0	0	0	32.22557	0	0	0
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0	0	0	0	0	2.27374	0
0	0	0	0	0	0.15742	0
0	0	0	0	0	0.15742	0
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0	0	0	0	0	0	0	0
32.86941	46.32776	75.86009	1.69611	91.1754	0.35677	1.60645	
7.68431	45.80996	15.03772	1.39183	58.80766	0.08605	1.60645	
0.00064	2.60124	12.2185	0.24999	2.47509	0.00252	1.50343	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	
0	0	0.06616	0	0.19232	0	0	
0	0	0.06616	0	0.19232	0	0	
0	0	0.06616	0	0.19232	0	0	
0	0	0.06616	0	0.19232	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0.00064	2.60124	12.15233	0.24999	2.28277	0.00252	1.50343	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0.00064	2.60124	12.15233	0.24999	2.28277	0.00252	1.50343	
0.00064	0	0	0	0	0.00252	0	
0.00064	0	0	0	0	0.00252	0	
0	2.16571	9.58951	0.24999	2.02738	0	1.1043	
0	2.16571	9.58951	0.24999	2.02738	0	1.1043	
0	0.00522	0	0	0	0	0	
0	0.00522	0	0	0	0	0	
0	0.03438	2.56282	0	0.22857	0	0.39912	
0	0.03438	2.56282	0	0.22857	0	0.39912	
0	0.39592	0	0	0.02682	0	0	
0	0.39592	0	0	0.02682	0	0	

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0	0	0	0	0	0	0
7.68367	43.20872	2.81923	1.14183	56.33258	0.08353	0.10302
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0	0	0	0	0	0	0
7.60177	41.87313	0.66861	1.10381	12.75811	0.06917	0
7.60177	41.87313	0.66861	1.10381	12.75811	0.06917	0
7.36067	0	0	0	0	0	0
7.36067	0	0	0	0	0	0
0	0	0.02943	0	0	0	0
0	0	0.02943	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.24111	41.87313	0.63597	1.10381	0	0.06917	0
0.24111	41.87313	0.63597	1.10381	0	0.06917	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	12.75811	0	0
0	0	0	0	12.75811	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0.00321	0	0	0	0

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0	0	0	0	0	0	0
0	0	0.1402	0	0	0.00066	0
0	0	0.1402	0	0	0.00066	0
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0	0	0.04444	0	0	0	0
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0	0	0.00177	0	0	0	0

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0.0819	1.33559	2.01042	0.03802	43.57446	0.01369	0.10302	
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0	0	0.16227	0	0	0	0	0
0	0	0.16227	0	0	0	0	0
0.0819	1.33559	1.84814	0.03802	43.57446	0.01369	0.10302	
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0	0	0	0	0.00563	0	0	0
0	0	0	0	0.00563	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0.11385	0.19609	0	0.27489	0.00293	0.0149	
0	0.11385	0.19609	0	0.27489	0.00293	0.0149	
0.02517	0.23309	0.267	0.02783	0.07802	0.00976	0	
0.02517	0.23309	0.267	0.02783	0.07802	0.00976	0	
0	0	0.01574	0	0	0	0	

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0	0	0	0	0	0.001	0
0	0	0	0	0	0.001	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.04107	0.87366	1.30767	0.01019	43.13283	0	0.08812
0.04107	0.87366	1.30767	0.01019	43.13283	0	0.08812
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.00816	0	0.00372	0	0.016	0	0
0.00816	0	0.00372	0	0.016	0	0
0	0	0	0	0.06709	0	0
0	0	0	0	0.06709	0	0
0.00749	0.11499	0.05707	0	0	0	0
0.00749	0.11499	0.05707	0	0	0	0
20.35345	0.19078	43.33852	0	14.59262	0.1345	0
20.35345	0.19078	43.33852	0	14.59262	0.1345	0
2.14922	0.19078	41.92962	0	13.97947	0	0
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0.40919	0	0.08402	0	0.61315	0.00268	0	0
0.40919	0	0.08402	0	0.61315	0	0	0
0	0	0.05879	0	0	0	0	0
0	0	0.05879	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.40919	0	0	0	0	0	0	0
0.40919	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0.02523	0	0	0	0	0
0	0	0.02523	0	0	0	0	0
0	0	0	0	0.61315	0	0	0
0	0	0	0	0	0.00268	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.00268	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1.03486	0	16.13487	0	0	0	0
1.03486	0	16.13487	0	0	0	0
1.03486	0	16.13487	0	0	0	0
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0.79153	0	12.95026	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.79153	0	12.95026	0	0	0	0
0.24333	0	3.18461	0	0	0	0
0	0	0.00565	0	0	0	0

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0	0	0	0	0	0	0
7.68492	16.03913	21.66191	65.91324	0.17571	26.32151	98.39355
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0	0	0	0	0	0	0
7.66625	16.02482	21.25721	65.60779	0.17571	26.29481	96.41545
7.66625	16.02482	21.25721	65.60779	0.17571	26.29481	96.41545
0.49756	0	0.06838	0	0	0	0
0.13551	0	0.05714	0	0	0	0
0.13551	0	0.05714	0	0	0	0
0	0	0.00031	0	0	0	0
0	0	0.00031	0	0	0	0
0.36204	0	0.01092	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.26941	0.42566	0.50923	0	0	0	3.08939
0	0	0	0	0	0	3.04802
0	0	0	0	0	0	3.04802
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.12692	0.42566	0.50923	0	0	0	0.04137
0.12692	0.42566	0.50923	0	0	0	0.04137
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.14249	0	0	0	0	0	0
0.14249	0	0	0	0	0	0

0	25.82188	0.09552	0	0	0.0169	0
0	25.71636	0.09552	0	0	0	0
0	0	0.01827	0	0	0	0
0	0	0.01827	0	0	0	0
0	0	0.01827	0	0	0	0
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0	25.71636	0.07725	0	0	0	0
0	0	0.07725	0	0	0	0
0	0	0.07725	0	0	0	0
0	25.71636	0	0	0	0	0
0	25.71636	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.10552	0	0	0	0.0169	0
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0	0	0	0	0	0	0
0	0.10552	0	0	0	0.0169	0
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0	0	0	0	0	0.0169	0
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0	0	0	0	0	0	0
0	0.10552	0	0	0	0	0

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0	0	0	0	0	0	0	0
0.02355	0	0.00377	0.00606	0	0.00401	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0.02355	0	0.00377	0.00606	0	0.00401	0	0
0.02355	0	0.00334	0.00606	0	0.00073	0	0
0.02355	0	0.00334	0.00606	0	0.00073	0	0
0	0	0.00043	0	0	0.00328	0	0
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0	0	0	0	0	0	0	0
0	0.00294	0.01632	0	0	0	0	0
0	0.00294	0	0	0	0	0	0
0	0	0.01632	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0.01632	0	0	0	0	0
0	0	0.01632	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.14248	93.83024	0.24588	0.02433	71.88273	1.12151	11.66349	

0.14248	93.83024	0.24588	0.02433	71.88273	1.12151	11.66349
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.14112	93.83024	0.24588	0.02433	71.88273	1.12151	11.66349
0	0	0	0	0	0	0.06043
0	0	0	0	0	0	0.06043
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.02423	0	0	0
0	0	0	0.02423	0	0	0
0.05003	39.32773	0	0	0	0.36251	11.60306
0.05003	39.32773	0	0	0	0.36251	11.60306
0.00386	0.04383	0	0.0001	0.06615	0.17283	0
0.00386	0.04383	0	0.0001	0.06615	0.17283	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.07228	54.45869	0.24588	0	71.81658	0.55364	0
0.07228	54.45869	0.24588	0	71.81658	0.55364	0
0	0	0	0	0	0	0
0.01494	0	0	0	0	0.03253	0
0.01494	0	0	0	0	0.03253	0
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0.00135	0	0	0	0	0	0
0.00135	0	0	0	0	0	0
0.00135	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
10.80723	0.00146	0.2023	0	0.10111	0.10816	0
10.80723	0.00146	0.2023	0	0.10111	0.10816	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0.02544	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.02544	0	0
0	0	0	0	0.02544	0	0
0	0	0	0	0	0	0
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10.76058	0.00146	0.14302	0	0	0.09362	0
0.01753	0.00146	0.14302	0	0	0	0
0.01753	0.00146	0.14302	0	0	0	0
0.31317	0	0	0	0	0	0
0.31317	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
10.42988	0	0	0	0	0.09362	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.04665	0	0.05927	0	0.07567	0.01454	0
0.00047	0	0	0	0.00216	0.00017	0
0.00047	0	0	0	0.00216	0.00017	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.04619	0	0.05927	0	0.07351	0.01437	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
63.78247	0.03886	70.60107	0	0.01825	25.68417	0.86586
63.78247	0.03886	70.60107	0	0.01825	25.68417	0.86586
63.78247	0.03886	70.60107	0	0.01825	25.68417	0.86586
39.56018	0.03861	70.26679	0	0.00677	25.59283	0.79596
39.56018	0.03861	70.26679	0	0.00677	25.59283	0.79596

0.00597	0	4.50609	0	0.00677	9.98068	0
0.00597	0	4.50609	0	0.00677	9.98068	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
15.25957	0.00094	0	0	0	15.01708	0
15.25957	0.00094	0	0	0	15.01708	0
0	0	0	0	0	0	0
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0.00111	0	0	0	0	0	0
0.00111	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00674	0	65.46266	0	0	0	0.45758
0.00674	0	65.46266	0	0	0	0.45758
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
12.36213	0	0	0	0	0.27947	0
12.36213	0	0	0	0	0.27947	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01999	0	0	0	0	0	0
0.01999	0	0	0	0	0	0
0.00725	0	0.06112	0	0	0.31559	0.27284
0.00725	0	0.06112	0	0	0.31559	0.27284
11.74729	0	0.01719	0	0	0	0

11.74729	0	0.01719	0	0	0	0
0	0	0	0	0	0	0
0.00372	0.03767	0.21973	0	0	0	0.06554
0.00372	0.03767	0.21973	0	0	0	0.06554
0.14643	0	0	0	0	0	0
0.14643	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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23.82903	0.00025	0.33308	0	0	0	0.0699
0.00215	0	0.12787	0	0	0	0
0.00215	0	0.12787	0	0	0	0
0.00215	0	0.12787	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
23.82688	0.00025	0.20521	0	0	0	0.0699
19.62233	0	0.02859	0	0	0	0.02663
19.62233	0	0.02859	0	0	0	0.02663
0.33881	0	0	0	0	0	0
0.33881	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.2092	0	0.17662	0	0	0	0
0.2092	0	0.17662	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3.65653	0.00025	0	0	0	0	0.04327
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0.10977	0	0.0012	0	0	0	0	0
0.10977	0	0.0012	0	0	0	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.10977	0	0.0012	0	0	0	0	0
0.10977	0	0.0012	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0.28348	0	0	0	0.01148	0.09134	0	0
0.28348	0	0	0	0.01148	0.09134	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0.28348	0	0	0	0.01066	0.00864	0	0
0.28348	0	0	0	0.01066	0.00864	0	0
0	0	0	0	0	0.0827	0	0
0	0	0	0	0	0.0827	0	0
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0.95101	5.56006	1.0377	40.77089	6.85525	17.62619	26.09554	
0.03066	5.43654	0.6026	1.27813	1.3887	0.47271	2.31297	
0.00296	4.92766	0.11136	1.1533	0.01741	0.11424	1.078	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0.00247	0	0	0	0	0	0
0	0.00247	0	0	0	0	0	0
0	0.00149	0	0	0	0	0	0
0	0.00149	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0.00098	0	0	0	0	0	0
0.00296	4.92519	0.11136	1.1533	0.01741	0.11424	1.078	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.00296	4.92519	0.11136	1.1533	0.01741	0.11424	1.078	
0	0.05113	0.07545	0	0	0	0	0
0	0.05113	0.07545	0	0	0	0	0
0.00296	3.67833	0.0359	0.60947	0.01741	0	0.1463	
0.00296	3.67833	0.0359	0.60947	0.01741	0	0.1463	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	1.15866	0	0.54154	0	0.11424	0.11398	
0	1.15866	0	0.54154	0	0.11424	0.11398	
0	0.03708	0	0.00229	0	0	0.81772	
0	0.03708	0	0.00229	0	0	0.81772	

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01953	0.3534	0.27866	0.12325	0.16754	0.33769	0.02331
0	0	0.24355	0	0	0	0
0	0	0.24355	0	0	0	0
0	0	0.24355	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01953	0.3534	0.03511	0.12325	0.16754	0.33769	0.02331
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00683	0	0
0	0	0	0	0.00683	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00041	0	0
0	0	0	0	0.00041	0	0
0	0	0	0	0.0238	0	0
0	0	0	0	0.0238	0	0
0	0.00514	0	0.00179	0.02599	0.00335	0
0	0.00514	0	0.00179	0.02599	0.00335	0
0.01849	0.01677	0.03511	0	0.00497	0.3133	0
0.01849	0.01677	0.03511	0	0.00497	0.3133	0
0	0	0	0	0.07078	0	0

0	0	0	0	0.07078	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00104	0.3288	0	0.12146	0.01947	0	0.0196
0.00104	0.3288	0	0.12146	0.01947	0	0.0196
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.01839	0
0	0	0	0	0	0.01839	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00269	0	0	0.0153	0.00265	0.0037
0	0.00269	0	0	0.0153	0.00265	0.0037
0.74014	0.00343	0.26175	16.16676	5.07354	16.45752	22.9161
0.74014	0.00343	0.26175	16.16676	5.07354	16.45752	22.9161
0.71515	0	0	0	0.00335	16.1433	22.60255
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.71515	0	0	0	0.00335	16.1433	22.60255
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.00663	0
0	0	0	0	0	0.00663	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00335	16.05513	0
0	0	0	0	0.00335	16.05513	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.04104	0
0	0	0	0	0	0.04104	0
0.62593	0	0	0	0	0.02195	0
0.62593	0	0	0	0	0.02195	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00813	0	0.00848	0	5.0633	0.1346	0
0	0	0	0	0	0.00889	0
0	0	0	0	0	0.00363	0
0	0	0	0	0	0.00363	0
0	0	0	0	0	0.00527	0
0	0	0	0	5.06101	0	0
0	0	0	0	5.06101	0	0
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0	0	0	0	0	0	0
0.00813	0	0.00848	0	0.00229	0.12571	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00813	0	0.00848	0	0.00229	0.12571	0
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0	0	0	0	0	0	0
0.08411	0	0.0189	0	0	0.12584	0.00204
0.08411	0	0.0189	0	0	0.12584	0.00204
0.08411	0	0.0189	0	0	0.12584	0.00204
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0.01478	0	0	0	0	0.0848	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01478	0	0	0	0	0.0848	0
0.06932	0	0.0189	0	0	0.04104	0.00204
0	0	0	0	0	0.00946	0

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0.03799	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.03799	0	0	0	0	0	0
0.03799	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03799	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0.00093	0	0.03739	0	0	0	0
0.00093	0	0.03739	0	0	0	0
0.00093	0	0.03739	0	0	0	0
0.00093	0	0.03739	0	0	0	0
0.00093	0	0.03662	0	0	0	0
0	0	0.00077	0	0	0	0
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0	0	0	0	0	0	0

CHPPDC	CHQ74C	CHQGLC	CHQL1C	CHQPEC	CHQQ8C	CHQRJC
99.99012	99.95253	100	90.64993	100	99.91969	100
57.2496	43.91482	1.27594	0.00776	0.05308	32.48805	75.66157
57.2496	43.91482	1.27594	0.00776	0.05308	32.48805	75.66157
0.03166	0.00168	0	0.00658	0.05051	0.01523	1.0575
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00039	0	0	0	0.01051	0.02491
0	0.00039	0	0	0	0.01051	0.02491
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.00039	0	0	0	0	0.02029

0	0.00039	0	0	0	0	0.02029
0	0	0	0	0	0.01051	0
0	0	0	0	0	0.01051	0
0	0	0	0	0	0	0.00462
0	0	0	0	0	0	0.00462
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0	0	0	0	0	0	0
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0.03166	0.00129	0	0.00658	0.04573	0.00472	0.01042
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0	0	0	0	0	0	0
0.03166	0.00129	0	0.00658	0.04573	0.00472	0.01042
0.03166	0.00129	0	0.00274	0.04573	0.00472	0.01042
0.03166	0.00129	0	0.00274	0.04573	0.00472	0.01042
0	0	0	0.00384	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0.00478	0	1.02217
0	0	0	0	0.00478	0	0
0	0	0	0	0	0	1.02217
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0	0	0	0	0	0	0
0	0	0	0	0	0	1.02217
0	0	0	0	0	0	1.02217
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
57.21795	43.91314	1.27594	0	0.00257	32.4604	74.60407

57.21795	43.91314	1.27594	0	0.00257	32.4604	74.60407
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
57.21795	43.91314	1.27594	0	0	32.4604	74.60407
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	8.01432	32.17699
0	0	0	0	0	8.01432	32.17699
0	0	0	0	0	21.57399	0
0	0	0	0	0	21.57399	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
57.21795	43.91314	1.27594	0	0	2.87209	42.42708
57.21795	43.91314	1.27594	0	0	2.87209	42.42708
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00257	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00257	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

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15.38664	0	66.36478	0	11.56468	0.15936	0
15.38664	0	66.36478	0	11.56468	0.15936	0
15.38664	0	66.36478	0	11.56468	0.15936	0
14.4615	0	16.49375	0	11.55857	0.1395	0
14.4615	0	16.49375	0	11.55857	0.1395	0

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0	0	0	0	0	0.00543	0
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0	0	0.142	0	0	0	0
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3.18657	0	0	0	0.32731	0	0
3.18657	0	0	0	0.32731	0	0
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10.23555	0	0	0	0	0.11871	0
10.23555	0	0	0	0	0.11871	0
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0	0	0	0	0	0	0
1.03938	0	0	0	7.18808	0.00239	0
1.03938	0	0	0	7.18808	0.00239	0
0	0	16.35175	0	0	0.00024	0

0	0	16.35175	0	0	0.00024	0
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0	0	0	0	4.04318	0.01273	0
0	0	0	0	4.04318	0.01273	0
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0.92514	0	49.87103	0	0	0.01986	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.92514	0	49.87103	0	0	0.01309	0
0.06486	0	26.33657	0	0	0.00176	0
0.06486	0	26.33657	0	0	0.00176	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0.0011	0	0	0	0	0.01133	0
0.0011	0	0	0	0	0.01133	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.85919	0	23.53447	0	0	0	0
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0	0	0	0	0	0	0

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7.17979	47.78465	5.33719	34.86765	4.79378	3.66565	12.87674
0.67066	0.67044	5.10036	11.38447	0.49015	1.69135	10.89083
0.51123	0.19674	0.01393	0.57397	0.00182	0.91983	8.24698
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0	0	0	0	0	0	0
0	0.01603	0	0	0	0.00121	0.00544
0	0.01603	0	0	0	0.00121	0.00544
0	0.01603	0	0	0	0.00047	0.00544
0	0.01603	0	0	0	0.00047	0.00544
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.00073	0
0.51123	0.18071	0.01393	0.57397	0.00182	0.91863	8.24154
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.51123	0.18071	0.01393	0.57397	0.00182	0.91863	8.24154
0	0.08984	0	0	0.00162	0	0.64453
0	0.08984	0	0	0.00162	0	0.64453
0.51123	0.09086	0.01393	0.57397	0.0002	0.69347	2.38469
0.51123	0.09086	0.01393	0.57397	0.0002	0.69347	2.38469
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.22516	5.21233
0	0	0	0	0	0.22516	5.21233
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0.0255	0.4737	0.03873	0.45966	0.44473	0.6944	2.64385
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.0255	0.4737	0.03873	0.45966	0.44473	0.6944	2.64385
0.0063	0	0	0	0	0	0
0.0063	0	0	0	0	0	0
0	0.01703	0	0	0.07465	0	0
0	0.01703	0	0	0.07465	0	0
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0.01146	0.04536	0	0.0004	0.00017	0.00951	0.01751
0.01146	0.04536	0	0.0004	0.00017	0.00951	0.01751
0	0	0.03277	0.00963	0	0.06167	0.12476
0	0	0.03277	0.00963	0	0.06167	0.12476
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6.50395	0	0	0	0	0.00022	0
6.50395	0	0	0	0	0.00022	0
6.50395	0	0	0	0	0.00022	0
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6.19007	0	0	0	0	0.00022	0
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0.00988	0.04747	0	9.35007	0	0.08031	0	0
0.00988	0.04747	0	9.35007	0	0.08031	0	0
0.00988	0.04747	0	9.35007	0	0.08031	0	0

0.00988	0.04747	0	9.35007	0	0.08031	0
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0.00988	0	0	9.35007	0	0.08031	0
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0.00988	0	0	9.35007	0	0.06828	0
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0.00988	0	0	0	0	0	0
0.00988	0	0	0	0	0	0
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0.00239	0.01466	0.00375	0	0.00717	0	0	0
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0.00135	0.00455	0.00351	0	0.00076	0	0	0
0.00103	0.01011	0.00024	0	0.00642	0	0	0
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0	0	0	0.01681	0	0.00509	0	0
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0	0	0	0.00319	0	0.0015	0	0
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0	0	0.99518	0	9.33739	0	0.01454	0

0	0	0.99518	0	9.33739	0	0.01454
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0	0	0.15343	0	0.91501	0	0
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0	0	0.52944	0	8.0965	0	0
0	0	0.52944	0	8.0965	0	0
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0	0	0.27025	0	0.05676	0	0
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0	0	1.24138	0	0.59101	0.11193	0
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0.00676	0	11.79186	0	1.21362	45.0247	0
0.00676	0	11.79186	0	1.21362	45.0247	0
0.00676	0	11.79186	0	1.21362	45.0247	0
0	0	4.13312	0	0.87989	44.92023	0
0	0	4.13312	0	0.87989	44.92023	0

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0	0	0.07573	0	0.03798	0	0
0	0	1.12289	0	0.32455	0	0

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0	0	0.06177	0	0.51737	0	0
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0	0	2.7556	0	0.33373	0.10447	0
0	0	1.75821	0	0.17117	0	0
0	0	1.75821	0	0.17117	0	0
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0	0	0.01702	0	0	0	0
0	0	0	0	0	0	0
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0	0	0.98038	0	0	0.04874	0
0	0	0.98038	0	0	0.04874	0
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0.00676	0	4.72589	0	0	0	0
0.00676	0	4.72589	0	0	0	0
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0	0	4.6488	0	0	0	0
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0	0	0.07709	0	0	0	0
0	0	0.07709	0	0	0	0
0.00043	0	0	0	0	0	0
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0.00634	0	0	0	0	0	0
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0	0	0.0234	0	0	0	0
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0.63185	0.37672	0.11422	0.66992	0.01961	0.01928	0
0.63185	0.37672	0.11422	0.66992	0.01961	0.01928	0
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17.84815	0.00917	0.1898	0.06989	0	0	0
17.84815	0.00917	0.1898	0.06989	0	0	0
0.0026	0.00668	4.11252	1.06132	9.34081	0.01645	31.77751
0.0026	0.00668	4.11252	1.06132	9.34081	0.01645	31.77751
0	0	4.03814	0.82842	6.52546	0	29.66917
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0	0	4.03814	0.82842	6.52546	0	29.66917
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0	0.00668	0	0.00095	0.00104	0	0
0	0.0023	0	0	0	0	0
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0	0.00438	0	0.00095	0.00104	0	0
0	0.00438	0	0.00095	0.00104	0	0
0	0.00438	0	0.00095	0.00104	0	0

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0	0	0	0	0.00067	0	0

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0	0	0.0068	0	0.42367	0	1.22806
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0	0	0	0	0.42367	0	0
0	0	0.0068	0	0	0	1.22806
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0	0	0	0	2.05813	0	0	0
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0.0464	0	0	0	0	0	0	0
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0.00033	0	0	0	0	0	0	0
0.00595	0	0	0	0	0	0	0
0.00595	0	0	0	0	0	0	0
0.02914	0	0	0	0	0	0	0
0	0	0.02646	0	0	0.18334	0	0
0	0	0.02646	0	0	0.18334	0	0
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0	0	0	0	0	0.00556	0	0
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0	0	0	0	0	0	0	0

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0	0	0	0	0.00443	0	0
0	0	0	0	0.00443	0	0
0.00353	78.97903	66.09157	0.342	0.96293	53.96322	7.0081
0.00056	59.8877	46.41603	0	0.84199	37.0899	0
0.00056	59.8877	46.41603	0	0.84199	37.0899	0
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0.00296	19.09133	19.67554	0.342	0.12094	16.87331	7.0081
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0.00273	15.62017	1.08984	49.65184	0.00777	0	0
0	10.00081	0.0118	0	0	0	0
0	10.00081	0.0118	0	0	0	0
0.00114	0	1.07804	49.65184	0.00457	0	0
0.00114	0	1.07804	49.65184	0.00457	0	0
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0.00159	5.61936	0	0	0.00319	0	0
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0	0	0	4.05888	0	0	0

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0.0014	0.10395	0.10146	0	0.52893	0	0.06725	
0.0014	0.10395	0.10146	0	0.52893	0	0.06725	
0.0014	0.10395	0.10146	0	0.52893	0	0.06725	

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0	0	0.02708	0.00184	0.00127	0.00527	0.00807	0
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0	0	0	0	0	0	0	0
0	0	0.02708	0.00184	0.00127	0.00527	0.00807	0
0	0	0.02708	0	0.00127	0.00527	0.00066	0
0	0	0.02708	0	0.00127	0.00527	0.00066	0
0	0	0	0.00184	0	0	0.00742	0
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0	0	0.00694	0	0	0.01707	0	0
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0	0	0.00058	0	0	0.00743	0	0
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44.11836	0	8.99344	0	47.19831	30.41224	17.32157	0

44.11836	0	8.99344	0	47.19831	30.41224	17.32157
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
44.11836	0	8.99344	0	47.19831	30.41224	17.32157
18.43485	0	0	0	0.02078	0.17167	0
18.43485	0	0	0	0.02078	0.17167	0
0	0	0	0	0.05094	0.06612	0
0	0	0	0	0.05094	0.06612	0
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0	0	0	0	0	0	0
7.03368	0	3.00892	0	0.05896	3.38034	0
7.03368	0	3.00892	0	0.05896	3.38034	0
1.12422	0	0	0	26.32065	1.95079	17.31614
1.12422	0	0	0	26.32065	1.95079	17.31614
0	0	0	0	1.15125	1.55908	0
0	0	0	0	1.15125	1.55908	0
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17.48831	0	0	0	19.59572	15.55023	0.00542
17.48831	0	0	0	19.59572	15.55023	0.00542
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0.03729	0	5.98452	0	0	7.73401	0
0.03729	0	5.98452	0	0	7.73401	0
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1.18628	0	0	0.98397	1.09599	0.57802	0
1.18628	0	0	0.98397	1.09599	0.57802	0
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0	0	0	0	0	0	0
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1.14658	0	0	0	1.09599	0.57802	0
0.86019	0	0	0	1.09599	0.57802	0
0.86019	0	0	0	1.09599	0.57802	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.22784	0	0	0	0	0	0
0.22784	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.05856	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03809	0	0	0.98397	0	0	0
0.00388	0	0	0.00213	0	0	0
0.00388	0	0	0.00213	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.03421	0	0	0.98183	0	0	0
0.00161	0	0	0	0	0	0
0.00161	0	0	0	0	0	0
0.00161	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
36.24176	0	0	64.5373	3.57411	8.56803	30.29398
36.24176	0	0	64.5373	3.57411	8.56803	30.29398
36.24176	0	0	64.5373	3.57411	8.56803	30.29398
31.50629	0	0	64.5373	3.535	6.00555	30.29398
31.50629	0	0	64.5373	3.535	6.00555	30.29398

3.94344	0	0	0	0	0.00085	0
3.94344	0	0	0	0	0.00085	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0.67851	0
0	0	0	0	0	0.67851	0
0	0	0	64.5313	0.01128	1.84334	0
0	0	0	64.5313	0.01128	1.84334	0
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0	0	0	0	0	0	0
0	0	0	0	0.00519	1.08638	0
0	0	0	0	0.00519	1.08638	0
0	0	0	0	0	0.11754	0
0	0	0	0	0	0.11754	0
0	0	0	0	0.82084	1.81874	30.29398
0	0	0	0	0.82084	1.81874	30.29398
0	0	0	0	0	0	0
0	0	0	0	0	0	0
6.32347	0	0	0	0	0	0
6.32347	0	0	0	0	0	0
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0	0	0	0	0	0	0
5.26879	0	0	0	0	0.00164	0
5.26879	0	0	0	0	0.00164	0
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0	0	0	0	0	0	0
1.66296	0	0	0	0	0.00227	0
1.66296	0	0	0	0	0.00227	0
2.63433	0	0	0	0	0	0

2.63433	0	0	0	0	0	0
0	0	0	0	0	0	0
10.27298	0	0	0.006	2.69768	0.45629	0
10.27298	0	0	0.006	2.69768	0.45629	0
1.40032	0	0	0	0	0	0
1.40032	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4.72256	0	0	0	0.03912	2.55233	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0.00285	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00285	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4.72256	0	0	0	0.03627	2.55233	0
3.55997	0	0	0	0	0.00369	0
3.55997	0	0	0	0	0.00369	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.4881	0	0	0	0.03627	0.0758	0
0.4881	0	0	0	0.03627	0.0758	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.67448	0	0	0	0	2.47284	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0
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14.04583	99.95999	33.96573	19.75036	3.4682	11.33569	17.15091	
0.04742	1.6972	33.75105	3.89916	1.25456	7.93451	1.65073	
0	0.21749	13.36814	0	0.85475	0.47877	0.16654	
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0	0	0	0	0	0	0	
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0	0	0.07903	0	0	0.0029	0	
0	0	0.07903	0	0	0.0029	0	
0	0	0.07328	0	0	0.0029	0	
0	0	0.07328	0	0	0.0029	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0.00575	0	0	0	0	
0	0.21749	13.28911	0	0.85475	0.47586	0.16654	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0	0	0	0	0	0	
0	0.21749	13.28911	0	0.85475	0.47586	0.16654	
0	0.05018	0.41374	0	0.1629	0	0	
0	0.05018	0.41374	0	0.1629	0	0	
0	0.16731	12.06152	0	0.16773	0.02503	0.05994	
0	0.16731	12.06152	0	0.16773	0.02503	0.05994	
0	0	0	0	0	0	0.10282	
0	0	0	0	0	0	0.10282	
0	0	0.44373	0	0.52412	0.45083	0.00378	
0	0	0.44373	0	0.52412	0.45083	0.00378	
0	0	0.37012	0	0	0	0	
0	0	0.37012	0	0	0	0	

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0	0	0	0	0	0	0
0	0	0	2.52666	0	2.01539	1.23127
0	0	0	2.52666	0	2.01539	1.23127
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0	0	0	0	0	0.0102	0
0	0	0	0	0	0.0102	0
0	0	0	0	0	1.14654	1.23127
0	0	0	0	0	1.14654	1.23127
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0	0	0	0	0	0	0
0	0	0	2.52666	0	0.83516	0
0	0	0	2.52666	0	0.83516	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.02348	0
0	0	0	0	0	0.02348	0

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.04027	1.02345	20.35902	0.00361	0.13508	2.90968	0.20781
0	0.01198	0	0	0.01549	0.0285	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.01198	0	0	0.01549	0.0285	0
0	0.01198	0	0	0.01549	0.0285	0
0.04027	1.01147	20.35902	0.00361	0.11959	2.88119	0.20781
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00066	0	0	0	0
0	0	0.00066	0	0	0	0
0.00433	0	0	0	0	0	0
0.00433	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0024	0.028	0.20132	0	0.00878	0.04847	0
0.0024	0.028	0.20132	0	0.00878	0.04847	0
0.00571	0.03708	0.02186	0	0.02979	0.03175	0.03643
0.00571	0.03708	0.02186	0	0.02979	0.03175	0.03643
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.02739	0.80646	17.13189	0.00095	0.06567	2.65264	0.17138
0.02739	0.80646	17.13189	0.00095	0.06567	2.65264	0.17138
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.00044	0.13992	0	0	0.00263	0.01446	0
0.00044	0.13992	0	0	0.00263	0.01446	0
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0	0	0	0	0.00081	0	0
0	0	3.00329	0.00266	0.01191	0.13388	0
0	0	3.00329	0.00266	0.01191	0.13388	0
7.56487	12.79631	0	13.50569	1.13829	1.87876	1.98254
7.56487	12.79631	0	13.50569	1.13829	1.87876	1.98254
0.50291	8.94269	0	9.9935	0.90295	0.0181	1.98254
0	0	0	0	0	0.00872	0
0	0	0	0	0	0.00872	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.50291	8.94269	0	9.9935	0.90295	0.00938	1.98254
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.31865	0	0	3.00454	0.00344	0	0
0.31865	0	0	3.00454	0.00344	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.56928	0.00637	1.98254
0	0	0	0	0.56928	0.00637	1.98254
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	6.69527	0.00827	0	0
0	0	0	6.69527	0.00827	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.02211	4.80354	0	0.27749	0.00837	0	0
0.02211	4.80354	0	0.27749	0.00837	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	4.13916	0	0	0.31358	0	0
0	4.13916	0	0	0.31358	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0.16215	0	0	0.01619	0	0.00301	0
0.16215	0	0	0.01619	0	0.00301	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0.00402	0	0	0	0	0.05147	0
0	0	0	0	0	0.05063	0
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0	0	0	0	0	0.01755	0
0	0	0	0	0	0.01755	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.03308	0
0	0	0	0	0	0.03308	0
0.00321	0	0	0	0	0.00084	0
0.00321	0	0	0	0	0.00084	0
0.00321	0	0	0	0	0.00084	0

0.00082	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.00082	0	0	0	0	0	0	0
0.00082	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.26726	0	0	0	0.01325	0.06628	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0.26726	0	0	0	0.01325	0.06628	0	0
0.26726	0	0	0	0.01325	0.06628	0	0
0.26726	0	0	0	0.01325	0.06628	0	0
0	0	0	0	0.05895	0.05474	0	0
0	0	0	0	0	0	0	0
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0	0	0	0	0.05895	0.05474	0	0
0	0	0	0	0	0.0022	0	0
0	0	0	0	0	0.0022	0	0
0	0	0	0	0	0.05177	0	0
0	0	0	0	0	0.05177	0	0
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0	0	0	0	0.05895	0.00078	0	0
0	0	0	0	0.05895	0.00078	0	0
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3.66733	0	0	2.49196	0.01593	0.47114	0	0
1.02499	0	0	1.4307	0	0.04334	0	0
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0	0	0	0	0	0	0	0
0	0	0	0	0	0.04334	0	0
0	0	0	0	0	0.04334	0	0
0	0	0	1.41679	0	0	0	0
0	0	0	1.41679	0	0	0	0

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
3.00533	0	0	0	0.03298	1.19129	0
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0	0	0	0	0	0	0
0	0	0	0	0.00903	1.14111	0
0	0	0	0	0.00903	1.14111	0
0	0	0	0	0.00903	1.14111	0
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3.00533	0	0	0	0.02395	0.05019	0
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0	0	0	0	0	0	0
3.00533	0	0	0	0.02395	0.05019	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.18121	1.05153	0	1.45386	0.05127	0.77855	0
0.18121	1.05153	0	1.45386	0.05127	0.77855	0
0.18121	1.05153	0	1.45386	0.05127	0.77855	0
0.00754	0	0	0	0	0	0
0.00754	0	0	0	0	0	0
0.00754	0	0	0	0	0	0
0.10735	0.96592	0	1.22784	0.04423	0.77725	0
0.10735	0	0	0	0	0	0
0.10735	0	0	0	0	0	0
0	0.96592	0	1.22784	0.04423	0.77725	0
0.06633	0.08561	0	0.22602	0.00704	0.0013	0
0.0097	0	0	0	0	0	0

0	0	0	0	0	0	0
0.80996	0	0	0	0.00783	1.15894	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.43414	0	0	0	0.00599	1.15894	0
0.43414	0	0	0	0.00599	1.15894	0
0	0	0	0	0	0	0
0.43414	0	0	0	0.00599	1.15894	0
0.37582	0	0	0	0.00183	0	0
0	0	0.01099	0	0	0	0
0	0	0.01099	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.01077	0	0	0	0
1.12134	0	0	0	0	0.04534	0
1.12134	0	0	0	0	0.04534	0
1.12134	0	0	0	0	0.04534	0
1.12134	0	0	0	0	0.04534	0
0.93317	0	0	0	0	0.04401	0
0.18817	0	0	0	0	0.00133	0
0.18817	0	0	0	0	0.00133	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

CHRQ5C	CHRYZC	CHS1SC	CHS3EC	CHS3VC	CHS4EC	CHS9SC
97.80435	100	99.99049	100	99.99702	99.68753	99.99199
19.49184	65.4683	36.53436	27.71949	45.03897	60.48247	0.3481
19.49184	65.4683	36.53436	27.71949	45.03897	60.48247	0.3481
0.01575	0.00752	0.30878	0.00042	0.11312	0.2278	0.3481
0	0.00058	0.28462	0.00042	0.00595	0.00316	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00058	0.28462	0	0.00551	0.00316	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00058	0	0	0	0	0
0	0.00058	0	0	0	0	0
0	0	0	0	0	0.00316	0
0	0	0	0	0	0.00316	0
0	0	0	0	0.00551	0	0
0	0	0	0	0.00551	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.28352	0	0	0	0
0	0	0.28352	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00109	0	0	0	0
0	0	0.00109	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00042	0.00044	0	0
0	0	0	0.00042	0.00044	0	0
0	0	0	0.00042	0.00044	0	0
0	0	0.0221	0	0.02673	0.00365	0
0	0	0.0221	0	0.02673	0.00365	0
0	0	0.00656	0	0	0.00365	0
0	0	0.00656	0	0	0.00365	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00871	0	0.02576	0	0

0	0	0.00871	0	0.02576	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00683	0	0.00097	0	0
0	0	0.00683	0	0.00097	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01575	0.00694	0.00206	0	0.076	0.06918	0.34638
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01575	0.00694	0.00206	0	0.076	0.06918	0.34638
0.01575	0.00436	0.00206	0	0.076	0.06918	0.34638
0.01575	0.00436	0.00206	0	0.076	0.06918	0.34638
0	0.00258	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00444	0.15181	0.00172
0	0	0	0	0.00444	0.13142	0
0	0	0	0	0	0.02039	0.00172
0	0	0	0	0	0	0.00172
0	0	0	0	0	0	0.00172
0	0	0	0	0	0.02039	0
0	0	0	0	0	0.02039	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
17.5419	65.40878	36.04237	27.71879	44.91398	60.2409	0

17.5419	65.40878	36.04237	27.71879	44.91398	60.2409	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
17.5419	65.40878	36.04237	27.71879	44.91398	60.2409	0
6.45589	0	0	0	0	0	0
6.45589	0	0	0	0	0	0
5.96323	0	0	0	0	0	0
5.96323	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3.33238	0.71165	0	0	0	0	0
3.33238	0.71165	0	0	0	0	0
0.0228	63.22947	36.04237	27.71879	0	0.04904	0
0.0228	63.22947	36.04237	27.71879	0	0.04904	0
0.89441	0.04646	0	0	0	0	0
0.89441	0.04646	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.87319	1.42119	0	0	44.91398	60.19186	0
0	1.42119	0	0	44.91398	60.19186	0
0.87319	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.9342	0.05201	0.18321	0.00028	0.01187	0.01378	0
1.9342	0.05201	0.18321	0.00028	0.01187	0.01378	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0.05893	0.00028	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.05893	0.00028	0	0	0
0	0	0.05893	0.00028	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.9342	0.05201	0	0	0.00712	0.01378	0
1.9342	0.05201	0	0	0.00712	0.01378	0
1.9342	0.05201	0	0	0.00712	0.01378	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.12428	0	0.00475	0	0
0	0	0.00099	0	0.00129	0	0
0	0	0.00099	0	0.00129	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.1233	0	0.00347	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
23.9064	0.49755	0	0.0138	6.15244	0.22981	0
23.9064	0.49755	0	0.0138	6.15244	0.22981	0
23.9064	0.49755	0	0.0138	6.15244	0.22981	0
20.63931	0.45079	0	0.0138	4.39038	0.07905	0
20.63931	0.45079	0	0.0138	4.39038	0.07905	0

0	0.02403	0	0	0	0.00775	0
0	0.02403	0	0	0	0.00775	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
12.09683	0	0	0	0	0	0
12.09683	0	0	0	0	0	0
7.9163	0	0	0.01051	0	0	0
7.9163	0	0	0.01051	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.13047	0	0	0	0	0	0
0.13047	0	0	0	0	0	0
0	0.27722	0	0	0.45012	0.00112	0
0	0.27722	0	0	0.45012	0.00112	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.01542	0	0	0.06311	0	0
0	0.01542	0	0	0.06311	0	0
0	0	0	0	0	0	0
0.06975	0	0	0	0	0	0
0.06975	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00237	0	0	0	0.02439	0.00355	0
0.00237	0	0	0	0.02439	0.00355	0
0	0	0	0.00329	0.04658	0.04584	0

0	0	0	0.00329	0.04658	0.04584	0
0	0	0	0	0	0	0
0.42359	0.13412	0	0	3.80617	0.02078	0
0.42359	0.13412	0	0	3.80617	0.02078	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2.85729	0.04677	0	0	1.51962	0.15076	0
0	0	0	0	0	0.00969	0
0	0	0	0	0	0.00969	0
0	0	0	0	0	0.00969	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0073	0.04592	0	0	0	0	0
0.0073	0	0	0	0	0	0
0.0073	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.04592	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2.84999	0.00085	0	0	1.51962	0.14106	0
0.00291	0	0	0	1.3824	0.0683	0
0.00291	0	0	0	1.3824	0.0683	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.08909	0	0	0	0.13722	0.02	0
0.08909	0	0	0	0.13722	0.02	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2.75799	0.00085	0	0	0	0.05277	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.40776	0	0	0	0.24245	0	0
0.40776	0	0	0	0.24245	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.40776	0	0	0	0.24245	0	0
0.40776	0	0	0	0.24245	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00204	0	0	0	0	0	0
0.00204	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00204	0	0	0	0	0	0
0.00204	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
12.26358	23.20927	47.01981	45.22058	2.15262	18.922	99.40428	
2.47716	3.04599	1.13406	0.11805	0.76578	0.94041	99.40428	
0.4996	0.03364	0.19732	0	0.08594	0.04776	7.06971	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0.00942	0	0.00421	0	0	0
0	0	0.00942	0	0.00421	0	0	0
0	0	0.00614	0	0.00421	0	0	0
0	0	0.00614	0	0.00421	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0.00327	0	0	0	0	0
0.4996	0.03364	0.1879	0	0.08173	0.04776	7.06971	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.4996	0.03364	0.1879	0	0.08173	0.04776	7.06971	
0.00724	0.00625	0	0	0	0.03772	0	0
0.00724	0.00625	0	0	0	0.03772	0	0
0.47907	0.01125	0.15534	0	0.08173	0.01004	7.06971	
0.47907	0.01125	0.15534	0	0.08173	0.01004	7.06971	
0	0	0.00618	0	0	0	0	0
0	0	0.00618	0	0	0	0	0
0.0133	0.01614	0.02422	0	0	0	0	0
0.0133	0.01614	0.02422	0	0	0	0	0
0	0	0.00216	0	0	0	0	0
0	0	0.00216	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.76447	0.65513	0.4652	0.03855	0.27925	0.03683	92.33456
0.32898	0.25862	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.32898	0.25862	0	0	0	0	0
0.32898	0.25862	0	0	0	0	0
0.43549	0.39651	0.4652	0.03855	0.27925	0.03683	92.33456
0	0.00376	0	0	0	0	0
0	0.00376	0	0	0	0	0
0	0	0.18944	0	0.00069	0	0
0	0	0.18944	0	0.00069	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.02355	0.00273
0	0	0	0	0	0.02355	0.00273
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.001	0.00442	0.14357	0.00116	0.05346	0.00486	0.78627
0.001	0.00442	0.14357	0.00116	0.05346	0.00486	0.78627
0.06694	0.02573	0.07961	0.01296	0.12471	0.00093	0.08177
0.06694	0.02573	0.07961	0.01296	0.12471	0.00093	0.08177
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0.01137	0.00238	0.01318	0	0
0	0	0.01137	0.00238	0.01318	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.21763	0.34205	0.03729	0.00459	0.08721	0.0024	91.44575
0.21763	0.34205	0.03729	0.00459	0.08721	0.0024	91.44575
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.05746	0.01214	0	0.01746	0	0.0002	0.01804
0.05746	0.01214	0	0.01746	0	0.0002	0.01804
0	0	0.00392	0	0	0	0
0	0	0.00392	0	0	0	0
0.09247	0.0084	0	0	0	0.00489	0
0.09247	0.0084	0	0	0	0.00489	0
0.21072	12.49152	0.98302	23.35778	0.08257	5.10918	0
0.21072	12.49152	0.98302	23.35778	0.08257	5.10918	0
0	8.45421	0.46801	4.2727	0	0.1176	0
0	0	0	0	0	0.06289	0
0	0	0	0	0	0.06289	0
0	0	0	0	0	0.06289	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	8.45421	0.46801	4.2727	0	0.05471	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.12274	0	0	0	0.01042	0
0	0.12274	0	0	0	0.01042	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	5.00948	0	0.50343	0	0	0
0	5.00948	0	0.50343	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.21911	0	0	0	0	0
0	0.09063	0	0	0	0	0

0	0	0	0	0	0	0
0	0.12848	0	0	0	0	0
0	0.00055	0	0	0	0	0
0	0.00055	0	0	0	0	0
0	0.23504	0	2.26267	0	0	0
0	0.23504	0	2.26267	0	0	0
0	0.0021	0.46801	0	0	0.04429	0
0	0.0021	0.46801	0	0	0.04429	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2.86519	0	0.28841	0	0	0
0	2.86519	0	0.28841	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1.2182	0	0	0
0	0	0	1.2182	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00163	0	0	0	0
0	0	0.00163	0	0	0	0
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0	0	0.00163	0	0	0	0
0	0	0.00696	0	0	0	0
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0	0	0.00696	0	0	0	0
0	0	0.00696	0	0	0	0

0	0	0	0	0	0.01192	0
0.1487	0.26786	0	17.06399	0.07013	3.47882	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.2393	0	15.35663	0.05954	3.38165	0
0	0.2393	0	15.35663	0.05954	3.38165	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.1487	0.02856	0	1.70736	0.01059	0.09716	0
0.1487	0.02856	0	1.70736	0.01059	0.09716	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.01842	0	0	0	0.00377	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.01842	0	0	0	0.00377	0
0	0.04689	0.00116	0.15259	0.01244	0.00745	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.02929	0	0.15259	0.01244	0	0
0	0.02929	0	0.15259	0.01244	0	0
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0	0	0	0	0	0.00231	0
0	0	0	0	0	0.00231	0
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0	0.00108	0	0	0	0	0
0	0.00108	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0.00487	0.00116	0	0	0	0
0	0.00487	0.00116	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.01165	0	0	0	0.00514	0
0	0.01165	0	0	0	0.00514	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.03769	0	0	0	0	0
0	9.00E-05	0	0	0	0	0
0	9.00E-05	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.0376	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.19772	0	0	0	0	0
0	0.19772	0	0	0	0	0
0	0.19772	0	0	0	0	0
0	1.09691	0.49399	0.65817	0	0.00949	0
0	1.09691	0.49399	0.65817	0	0.00949	0
0	1.09691	0	0	0	0	0
0	1.09691	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.49399	0.65817	0	0.00949	0
0	0	0.49399	0.65817	0	0.00949	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.6378	0.01128	1.21033	0	0.0062	0
0	0	0	1.21033	0	0	0
0	0	0	1.21033	0	0	0
0	0	0	1.21033	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.6378	0.01128	0	0	0.0062	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.6378	0.01128	0	0	0.0062	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.42924	0.19102	1.10617	1.24913	0.07877	0.0002	0
1.42924	0.19102	1.10617	1.24913	0.07877	0.0002	0
1.42924	0.19102	1.10617	1.24913	0.07877	0.0002	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0.81527	0.11493	0.3702	0.91544	0.04245	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.81527	0.11493	0.3702	0.91544	0.04245	0	0
0.61396	0.07609	0.73597	0.33369	0.03632	0.0002	0
0	0.00069	0.03293	0	0	0	0

0	0.00069	0.03293	0	0	0	0
0.09782	0.04431	0.25045	0.33369	0.03632	0	0
0.09782	0.04431	0.25045	0.33369	0.03632	0	0
0	0	0.00246	0	0	0	0
0	0	0.00246	0	0	0	0
0	0.02316	0.39748	0	0	0	0
0	0.02316	0.39748	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00793	0.05264	0	0	0	0
0	0.00793	0.05264	0	0	0	0
0.51615	0	0	0	0	0.0002	0
0.51615	0	0	0	0	0.0002	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
8.14646	7.48074	43.79655	20.49563	1.22549	12.87222	0
8.14646	7.48074	43.79655	20.49563	1.22549	12.87222	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
8.14646	7.48074	43.79655	20.49563	1.22549	12.87222	0
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0	0	0	0	0.13737	0	0
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0	0	0	0	0.04192	0	0

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0	0	0	0	0.00301	0	0
0	0	0	0	0.08388	0	0
0	0.00108	0	0	0	12.54508	0
0	0.00108	0	0	0	0	0
0	0.00108	0	0	0	0	0
0	0	0	0	0	12.54508	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
8.14646	7.47966	43.79655	20.49563	1.08812	0.32714	0
0.39108	0.73108	0.27758	0.01013	0	0.07153	0
0.39108	0.73108	0.27758	0.01013	0	0.07153	0
0.0156	0.05512	0.34012	0.19447	0.36365	0	0
0.0156	0.05512	0.34012	0.19447	0.36365	0	0
0.0157	0.97248	34.64421	20.29103	0.26182	0.00196	0
0	0	0	0	0	0	0
0.0157	0.97248	34.64421	20.29103	0.26182	0.00196	0
7.72408	2.24362	0	0	0	0	0
7.72408	2.24362	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.04379	0	0	0	0	0
0	0.04379	0	0	0	0	0
0	3.43357	8.53464	0	0.46266	0.25365	0
0	0	0.00661	0	0.00442	0	0
0	0	0.00661	0	0.00442	0	0
0	0	0.00661	0	0.00442	0	0
0	0	0.00661	0	0.00442	0	0
0	0	0.00661	0	0.00442	0	0
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0	0	0	0	0	0	0	0
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42.13907	10.75729	16.42971	27.04613	46.2037	20.0469	0.2226	
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
42.13643	9.87633	14.93627	27.04475	44.65016	20.04154	0	
42.13643	9.87633	14.93627	27.04475	44.65016	20.04154	0	
0.08699	4.12183	5.47745	0.08621	0	0	0	
0.00389	3.51217	4.78508	0.06741	0	0	0	
0.00389	3.51217	4.78508	0.06741	0	0	0	
0.0831	0	0	0	0	0	0	
0.0831	0	0	0	0	0	0	
0	0.60966	0.69236	0.0188	0	0	0	
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0	0	0	0	0	0	0	
0.89313	0.16517	0	0.29123	34.85501	0.38038	0	
0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	
0.67387	0.16517	0	0.29123	34.85501	0.38038	0	
0.67387	0.16517	0	0.29123	0	0.38038	0	
0	0	0	0	34.85501	0	0	
0	0	0	0	0	0	0	
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0.21926	0	0	0	0	0	0	
0.21926	0	0	0	0	0	0	

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.84387	3.406	0.2696	24.32224	9.77877	0.23641	0
0.54028	2.16369	0	16.79994	5.6693	0.14465	0
0.54028	2.16369	0	16.79994	5.6693	0.14465	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.30359	1.24231	0.2696	7.5223	4.10948	0.09176	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
40.30556	2.18333	9.18922	1.69287	0.01638	19.40614	0
0.03722	0.04919	0.06703	0	0	2.19906	0
0.03722	0.04919	0.06703	0	0	2.19906	0
33.9688	1.82365	8.52958	1.63526	0	14.37274	0
33.9688	1.82365	8.52958	1.63526	0	14.37274	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
6.29954	0.31049	0.59262	0.05761	0.01638	2.83434	0
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0	0	0	0	0	0	0
0.00016	0	0	0	0	0	0
0.00016	0	0	0	0	0	0
0.00016	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.6522	0	0	0
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0.00671	0	0	0	0	0.0186	0
0.00671	0	0	0	0	0.0186	0

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0.00231	0	0	0.00026	0	0	0
0	0	0	0	0.83707	0	0
0	0	0	0	0.83707	0	0
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0	0	0.0067	0	0.05429	0	0
0	0	0.0067	0	0.05429	0	0
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0	0	0	0	0.01859	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0.01702
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0.00326	0	0	0	0	0	0	0
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0.00326	0	0	0	0	0	0	0
0.00326	0	0	0	0	0	0	0
2.19239	0	0.00951	0	0.00298	0.31247	0.00801	0.00801
2.19239	0	0.00951	0	0.00298	0.31247	0.00801	0.00801
2.19239	0	0.00951	0	0.00298	0.31247	0.00801	0.00801

2.19239	0	0.00951	0	0	0.31247	0
0	0	0	0	0	0.31247	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
2.19239	0	0.00951	0	0	0	0
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CHSIPC	CHSP9C	CHSX5C	CHSYNC	CHT9JC	CHTB2C	CHTBXC
100	99.97907	100	100	100	100	99.99774
0.00505	42.87364	0	0	54.97402	0.2363	0.01188
0.00505	42.87364	0	0	54.97402	0.2363	0.01188
0.00505	0.10576	0	0	0	0.2363	0.01188
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0	0	0	0	0	0	0
0	0.09015	0	0	0	0	0
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0	0.01237	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0.01625	0	0	0	0	0
0	0.01625	0	0	0	0	0
0	0.02321	0	0	0	0	0

0	0.02321	0	0	0	0	0
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0	0.02784	0	0	0	0	0
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0	0.01048	0	0	0	0	0
0	0.01048	0	0	0	0	0
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0.00163	0.01561	0	0	0	0.22708	0.01188
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0	0	0	0	0	0	0
0.00163	0.01561	0	0	0	0.22708	0.01188
0.00163	0.01561	0	0	0	0.22708	0.01188
0.00163	0.01561	0	0	0	0.22708	0.01188
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0.00341	0	0	0	0	0.00922	0
0.00341	0	0	0	0	0.00922	0
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0	42.76788	0	0	54.97402	0	0

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73.55603	4.75173	22.18659	0	4.91476	22.13826	0.02349
73.55603	4.71497	22.18659	0	4.91476	22.13826	0.02349
73.55603	4.71497	22.18659	0	4.91476	22.13826	0.02349
73.2898	4.1805	22.18659	0	4.60116	0.61275	0
73.2898	4.1805	22.18659	0	4.60116	0.61275	0

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0	0	0	0	0	0	0
0	0.02653	0	0	0.85542	0.61275	0
0	0.02653	0	0	0.85542	0.61275	0
0	0.00433	0	0	0	0	0
0	0.00433	0	0	0	0	0
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0.26622	0.53447	0	0	0.31359	0	0
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0.26622	0.53447	0	0	0.31359	0	0
0.10996	0.42864	0	0	0.12968	0	0
0.10996	0.42864	0	0	0.12968	0	0
0	0	0	0	0.00839	0	0
0	0	0	0	0.00839	0	0
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0.15626	0.10583	0	0	0.17552	0	0
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0	0.03677	0	0	0	0	0
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0	0.03301	0	0	0	0	0
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0.5949	15.65595	0.22532	90.48093	6.71975	10.05482	2.28362
0.48052	15.60701	0.13116	12.48408	0.45316	10.05482	0.7865
0.33362	0.45607	0.09876	0.02029	0.34432	0.07519	0.68304
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0	0.00226	0	0.0116	0	0.0257	0
0	0.00226	0	0.0116	0	0.0257	0
0	0.00226	0	0.00953	0	0.0257	0
0	0.00226	0	0.00953	0	0.0257	0
0	0	0	0.00207	0	0	0
0	0	0	0.00207	0	0	0
0	0	0	0	0	0	0
0.33362	0.45381	0.09876	0.00869	0.34432	0.04948	0.68304
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.33362	0.45381	0.09876	0.00869	0.34432	0.04948	0.68304
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.3263	0.01191	0.0728	0.00869	0.30759	0.01933	0.68304
0.3263	0.01191	0.0728	0.00869	0.30759	0.01933	0.68304
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0	0	0	0	0	0	0
0	0.4419	0.02596	0	0.03673	0.03015	0
0	0.4419	0.02596	0	0.03673	0.03015	0
0.00732	0	0	0	0	0	0
0.00732	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.14691	14.77982	0.00141	12.46044	0.07468	9.76777	0.0955
0	7.13008	0	0	0	0	0
0	0	0	0	0	0	0
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0	7.13008	0	0	0	0	0
0	7.13008	0	0	0	0	0
0.14691	7.64975	0.00141	12.46044	0.07468	9.76777	0.0955
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0	0.04041	0	0.00674	0	0.09367	0.00097
0	0.04041	0	0.00674	0	0.09367	0.00097
0.08298	0.68071	0	0.4257	0.00132	1.01933	0.07657
0.08298	0.68071	0	0.4257	0.00132	1.01933	0.07657
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0	0	0	0.00228	0	0	0
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0	0.00051	0	0	0.03724	0	0
0	0.00051	0	0	0.03724	0	0
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0	0	0	0	0.03724	0	0
0	0	0	0	0.00127	0	0

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0	5.97839	0	0	0	0	0
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0	0	0	0	0	0	0
0.0098	0	0.18018	9.51051	0	0	2.30247
0.0098	0	0.18018	9.51051	0	0	2.30247
0	0	0	0	0	0	0.03846
0	0	0	0	0	0	0.03846
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0098	0	0.18018	9.51051	0	0	2.26401
0	0	0	0.00775	0	0	0.00065
0	0	0	0.00775	0	0	0.00065
0	0	0	0.00419	0	0	0
0	0	0	0.00419	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0098	0	0.18018	9.49857	0	0	1.73582
0.0098	0	0.18018	9.49857	0	0	1.73582
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0	0	0	0	0	0	0.52753
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0	1.29053	0	0	0	0	0
0	1.13041	0	0	0	0	0
0	0.01871	0	0	0	0	0
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0	0.02912	0	0	0	0	0
0	0.02912	0	0	0	0	0

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0	0.00144	0	0	0	0	0

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0	0.01866	0	0	0	0	0
0	0.01866	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.00226	0	0	0	0	0.00226
0	0.00226	0	0	0	0	0.00226
0	0.00226	0	0	0	0	0.00226

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0	0.0034	0	0	0	0	0
0	0	0	0	0.00287	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00628	0	0.72371	0	0.11047	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.00628	0	0.72371	0	0.11047	0
0	0.00628	0	0.3949	0	0.11047	0
0	0.00628	0	0.3949	0	0.11047	0
0	0	0	0.3288	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.004
0	0	0	0	0	0	0
0	0	0	0	0	0	0.004
0	0	0	0	0	0	0.004
0	0	0	0	0	0	0.004
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.5635	0.40669	22.30438	6.30967	94.08865	0	44.92077

0.5635	0.40669	22.30438	6.30967	94.08865	0	44.92077
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.5635	0.40669	22.30438	6.30967	94.08865	0	44.92077
0	0.15697	0	0	0	0	0
0	0.15697	0	0	0	0	0
0	0.14583	0	0	0	0	0
0	0.14583	0	0	0	0	0
0	0	0	6.30967	0	0	0
0	0	0	6.30967	0	0	0
0.012	0.07016	5.7505	0	0	0	0
0.012	0.07016	5.7505	0	0	0	0
0.41109	0	2.83572	0	0.24199	0	19.52496
0.41109	0	2.83572	0	0.24199	0	19.52496
0	0.01834	0.01872	0	0	0	0
0	0.01834	0.01872	0	0	0	0
0	0	0.02609	0	0	0	0
0	0	0.02609	0	0	0	0
0.1404	0.0154	12.31728	0	93.84666	0	25.39581
0.1404	0.0154	12.31728	0	93.84666	0	25.39581
0	0	0	0	0	0	0
0	0	1.35606	0	0	0	0
0	0	1.35606	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00287	0.04187	1.44975	0	0	0	1.22254
0.00287	0.04187	1.44975	0	0	0	1.22254
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.04187	1.39857	0	0	0	1.22254
0	0.04187	1.39857	0	0	0	0
0	0.04187	1.39857	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1.22254
0	0	0	0	0	0	1.22254
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.04884	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.04884	0	0	0	0
0.00287	0	0.00234	0	0	0	0
0.00287	0	0.00234	0	0	0	0
0.00287	0	0.00234	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
41.76375	7.79516	45.33097	0	0	0	11.65443
41.76375	7.79516	45.33097	0	0	0	11.65443
41.76375	7.79516	45.33097	0	0	0	11.65443
41.76375	7.31444	17.70046	0	0	0	9.40655
41.76375	7.31444	17.70046	0	0	0	9.40655

0	0	4.85641	0	0	0	0
0	0	3.11806	0	0	0	0
0	0	1.73835	0	0	0	0
0	0	0	0	0	0	0.18825
0	0	0	0	0	0	0.18825
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	4.30862	0	0	0	0	0
0	4.30862	0	0	0	0	0
0	2.90302	0	0	0	0	0.68956
0	2.90302	0	0	0	0	0.68956
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0.01942	0	0	0	0	0
0	0.01942	0	0	0	0	0
41.76375	0	0	0	0	0	0.08706
41.76375	0	0	0	0	0	0.08706
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.01806
0	0	0	0	0	0	0.01806
0	0	0	0	0	0	0
0	9.00E-05	0	0	0	0	0
0	9.00E-05	0	0	0	0	0
0	0	0	0	0	0	0.1223
0	0	0	0	0	0	0.1223
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	8.04173	0	0	0	3.48035
0	0	8.04173	0	0	0	3.48035
0	0	0	0	0	0	0.06464
0	0	0	0	0	0	0.06464
0	0	0	0	0	0	0.43984

0	0	0	0	0	0	0.43984
0	0	0	0	0	0	0
0	0.0833	4.80232	0	0	0	4.30572
0	0.0833	4.80232	0	0	0	4.30572
0	0	0	0	0	0	0.01077
0	0	0	0	0	0	0.01077
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.46896	24.44926	0	0	0	2.24657
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.46896	24.44926	0	0	0	2.24657
0	0.00057	7.56967	0	0	0	0
0	0.00057	7.56967	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.02395
0	0	0	0	0	0	0.02395
0	0.01396	0	0	0	0	0
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0	0	0	0	0	0	0
0	0.45443	16.87959	0	0	0	2.22262
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	6.32266	0.00197	85.34952	0.93968	1.5366	2.00228
0	0.00971	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.00971	0	0	0	0	0
0	0.00971	0	0	0	0	0
0	6.31295	0.00197	85.34952	0.93968	1.5366	2.00228
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.0006	0	0	0	0
0	0	0.0006	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1.93537	0	0	0
0	0	0	1.93537	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.24041	0	0
0	0	0	0	0.24041	0	0
0	0	0	1.58635	0	0	0
0	0	0	1.58635	0	0	0
0	0.01128	0.00136	0.04929	0.0116	0	0.00194
0	0.01128	0.00136	0.04929	0.0116	0	0.00194
0	0.03903	0	0.30381	0.00303	0	0.12495
0	0.03903	0	0.30381	0.00303	0	0.12495
0	0	0	25.62043	0	0	0

0	0	0	25.62043	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	6.0439	0	55.78843	0.68463	1.3754	0.1194
0	6.0439	0	55.78843	0.68463	1.3754	0.1194
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.19778	0	0.06584	0	0	0.14257
0	0.19778	0	0.06584	0	0	0.14257
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.02096	0	0	0	0.1612	1.61342
0	0.02096	0	0	0	0.1612	1.61342
0.00854	0.47187	6.39022	0	0.63846	93.95466	0.19592
0.00854	0.47187	6.39022	0	0.63846	93.95466	0.19592
0.00854	0.44375	1.68717	0	0.40676	27.17045	0.11834
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00854	0.44375	1.68717	0	0.40676	27.17045	0.11834
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0.13438	0	0	0	0
0	0	0.13438	0	0	0	0
0	0	0	0	0.17998	0	0
0	0	0	0	0.17998	0	0
0	0	0.1312	0	0	0	0
0	0	0.02617	0	0	0	0

0	0	0.35809	0	0	0	0
0	0.02124	0.62685	0	0.1912	6.0002	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.28891	0	0	0	0
0	0	0.28891	0	0	0	0
0	0	0.32371	0	0.17499	0	0
0	0	0.32371	0	0.17499	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.02124	0.01423	0	0.0162	6.0002	0
0	0.02124	0.01423	0	0.0162	6.0002	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00253	0	0.01032	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00154	0	0

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0	0	0	0	0	0	0
0	0	3.49878	0	0	60.35365	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	60.35365	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	60.35365	0
0	0	0	0	0	60.35365	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	3.49878	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	3.49878	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.13471	0.06506	0	0.05138	0	0.02518
0	0.13471	0.06506	0	0.05138	0	0.02518
0	0.13471	0.06506	0	0.05138	0	0.02518
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.10931	0	0	0.04304	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.10931	0	0	0.04304	0	0
0	0.0254	0.06506	0	0.00835	0	0.02518
0	0	0.04108	0	0	0	0

0	0	0	0	0	0	0
0	0	0.02687	0	0	0	0.1529
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.02687	0	0	0	0.1529
0	0	0	0	0.02693	0	0
0	0	0	0	0.02693	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.02693	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00847	0	0
0	0	0	0	0.00847	0	0
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0	0	0	0	0.00727	0	0
0	0	0	0	0	0	0.03318
0	0	0	0	0	0	0.03318
0	0	0	0	0	0	0.03318
0	0	0	0	0	0	0.03318
0	0	0	0	0	0	0.03296
0	0	0	0	0	0	0.00022
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
57.36112	80.38383	1.01416	0.31101	2.3824	0	34.67918
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
57.33201	80.37772	0.9244	0	0.66234	0	34.67918
57.33201	80.37772	0.9244	0	0.66234	0	34.67918
0	0	0	0	0.2658	0	0.00972
0	0	0	0	0.21411	0	0.00552
0	0	0	0	0.21411	0	0.00552
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.05169	0	0.0042
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.02085	0.04172	0	0	0	0.02323
0	0	0	0	0	0	0.0223
0	0	0	0	0	0	0.0223
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0.02085	0.04172	0	0	0	0.00093
0	0.02085	0.04172	0	0	0	0.00093
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.02911	0.00611	0.07577	0.31101	1.72006	0	0
0.02911	0.00611	0.07577	0.31101	1.72006	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.02911	0.00611	0.07577	0.31101	1.72006	0	0
0	0.00075	0	0.12491	0.00377	0	0
0	0.00075	0	0.12491	0.00377	0	0
0	0	0	0.1861	0.00113	0	0
0	0	0	0.1861	0.00113	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.02911	0.00536	0.07577	0	1.71516	0	0
0.02911	0.00536	0.07577	0	1.71516	0	0
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0	0.08689	0	0	0	0.1454	0.12039	
0	0.08689	0	0	0	0.1454	0.12039	

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CHVROC	CHVU3C	CHW2EC	CHW8FC	CHWLHC	CHWPJC	CHWQPC
100	99.77246	100	100	100	99.99162	100
0.01636	0.00191	75.34418	66.83033	0.07464	65.24255	70.29093
0.01636	0.00191	75.34418	66.83033	0.07464	65.24255	70.29093
0.01636	0.00191	0.83446	1.71365	0.07464	0.01915	0.06517
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0.01636	0.00191	0	0	0.05791	0.00643	0.02599	
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0.01636	0.00191	0	0	0.05791	0.00643	0.02599	
0.00992	0.00191	0	0	0.05791	0.00355	0.01316	
0.00992	0.00191	0	0	0.05791	0.00355	0.01316	
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0	0	0.83397	0.13328	0.0006	0	0	0
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0	0	74.50972	65.11362	0	62.29602	70.17561	

0	0	74.50972	65.11362	0	62.29602	70.17561
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0	0	74.50972	0	0	22.51858	5.77281
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99.25744	0.73401	3.76679	14.23046	6.79572	5.26497	1.54216
25.21527	0.73401	2.05171	11.66598	3.12264	0.73184	0.18976
0.12439	0.6719	1.74888	0.10152	1.75873	0.0013	0.00828
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0.12439	0.6719	1.74888	0.10152	1.74831	0.0013	0.0078
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.12439	0.6719	1.74888	0.10152	1.74831	0.0013	0.0078
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0.12439	0.6658	0.58294	0.03126	1.66867	0	0.0078
0.12439	0.6658	0.58294	0.03126	1.66867	0	0.0078
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0	0	0	0	0	0.0013	0
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0	0	0	0.06379	0.07964	0	0
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0	0.00611	1.16594	0	0	0	0

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10.99991	0.06211	0.16725	3.60384	1.25609	0.34727	0.07128	
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0	0.01412	0	0	0	0.25788	0	
10.99991	0.04798	0.16725	3.60384	1.25609	0.08939	0.07128	
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0.00941	0	0.02306	0.00313	0.00304	0.02136	0.00429	
0.00941	0	0.02306	0.00313	0.00304	0.02136	0.00429	
1.42563	0	0	0	0.12307	0.00427	0.01394	
1.42563	0	0	0	0.12307	0.00427	0.01394	
0	0	0	0	0	0.02487	0	

0	0	0	0	0	0.02487	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
9.51582	0	0.14418	0.15682	1.11055	0.02959	0.05305
9.51582	0	0.14418	0.15682	1.11055	0.02959	0.05305
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00057	0.04798	0	0	0	0.0093	0
0.00057	0.04798	0	0	0	0.0093	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.04695	0	0	0	0.01943	0	0
0.04695	0	0	0	0.01943	0	0
0.02415	0	1.39996	0	2.05876	1.97772	0.0704
0.02415	0	1.39996	0	2.05876	1.97772	0.0704
0	0	1.35942	0	0.91112	0.12026	0.06782
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1.35942	0	0.91112	0.12026	0.06782
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.08346	0.06782
0	0	0	0	0	0.08346	0.06782
0	0	0	0	0	0	0
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0	0	0.04054	0	0	0	0.00109
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0	0	0.04054	0	0	0	0.00032
0	0	0.04054	0	0	0	0.00032
0	0	0.04054	0	0	0	0.00032

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0	0	0	0	0	0.01935	0
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0.03763	0	0	0	0	0.18724	0.0934
0.03763	0	0	0	0	0.18724	0.0934
0.03763	0	0	0	0	0.18724	0.0934
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0.03763	0	0	0	0	0.02387	0.0934
0.01866	0	0	0	0	0	0.02046

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0.00214	0	0	0	0	0.05515	0
0.00214	0	0	0	0	0.05515	0
0.00214	0	0	0	0	0.05515	0
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73.97826	0	0.31513	2.56447	1.61433	2.31302	1.1886
0.00545	0	0	0.05892	0.16199	1.00009	0.00197
0.00545	0	0	0.05892	0.16199	1.00009	0.00197
4.05967	0	0	0.03173	0.16897	0.36747	0.20801
4.05967	0	0	0.03173	0.16897	0.36747	0.20801
14.10895	0	0.08732	0.5694	0.14318	0.05243	0.0085
0	0	0	0	0	0	0
14.10895	0	0.08732	0.5694	0.14318	0.05243	0.0085
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55.80419	0	0.22781	1.90443	1.14019	0.89302	0.97013
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0	0	0	18.15081	0	0	0
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0.72619	99.00922	0.11901	0.78841	0	0	1.23901
0.72619	99.00922	0.11901	0.78841	0	0	1.23901
0.00084	13.91311	0	0	0	0	0.00167
0.00084	13.91311	0	0	0	0	0.00167
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0	0	0	0	0	0	0
0.72535	85.09611	0.11901	0.78841	0	0	1.23734
0	0	0.04177	0.02319	0	0	0.00424
0	0	0.04177	0.02319	0	0	0.00424
0	0	0.04311	0.02639	0	0	0.00323
0	0	0.04311	0.02639	0	0	0.00323
0	0	0	0	0	0	0.00292
0	0	0	0	0	0	0.00292
0.72535	0	0.03413	0.73883	0	0	1.22695
0.72535	0	0.03413	0.73883	0	0	1.22695
0	85.09611	0	0	0	0	0
0	85.09611	0	0	0	0	0
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0	0	0	0	0	0.00642	0

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0	0	0	0	0	0.00614	0
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0	0	0	0	0	0.00322	0
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0	0	0	0	0	0.01301	0
0	0	0.44992	0	0	0.17033	0
0	0	0.44992	0	0	0.17033	0
0	0	0.44992	0	0	0.17033	0
0	0	0.43938	0	0	0.16655	0
0	0	0.43938	0	0	0.16655	0
0	0	0.01055	0	0	0.00378	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0

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0	0.00812	0	0	0	0	0.0025	0
0	0.00812	0	0	0	0	0.0025	0
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0	0	0	0	0	0	0	0
0.03399	0.21779	0	0.00395	0.00987	0.00291	0.00814	
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.03399	0.21779	0	0.00395	0.00987	0.00291	0.00814	
0.01458	0.09582	0	0.00395	0.00594	0.00256	0.00814	
0.01458	0.09582	0	0.00395	0.00594	0.00256	0.00814	
0.01941	0.12198	0	0	0.00394	0.00035	0	
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0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
25.88501	0	16.5548	35.72075	17.91164	89.37873	4.95125	

25.88501	0	16.5548	35.72075	17.91164	89.37873	4.95125
0	0	0	0	0	0	0.52803
0	0	0	0	0	0	0.52803
0	0	0	0	0	0	0.52803
25.88501	0	16.5548	35.72075	17.91164	89.37873	4.42322
0	0	0	0.00837	0	0	0
0	0	0	0.00837	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.48939	0	2.13433	3.00746	0	46.58876	0.0606
0.48939	0	2.13433	3.00746	0	46.58876	0.0606
0.21469	0	3.89318	29.36994	17.91164	0	0.82634
0.21469	0	3.89318	29.36994	17.91164	0	0.82634
0	0	0.00249	0.00026	0	0.05591	0
0	0	0.00249	0.00026	0	0.05591	0
0	0	0	0.18376	0	0	2.93032
0	0	0	0.18376	0	0	2.93032
25.15988	0	6.11442	3.15096	0	32.36782	0.60595
25.15988	0	6.11442	3.15096	0	32.36782	0.60595
0	0	0	0	0	0	0
0.02105	0	4.41038	0	0	10.36623	0
0.02105	0	4.41038	0	0	10.36623	0
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0	0	0	0	0	0	0
5.1271	0	2.02949	0.01	1.49525	0.06833	0.01534
5.1271	0	2.02949	0.01	1.49525	0.06833	0.01534
0	0	0	0	0.67687	0	0
0	0	0	0	0.67687	0	0
0	0	0	0	0.67687	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00377	0.00282	0	0.01122
0	0	0	0.00377	0.00282	0	0.01122
0	0	0	0	0	0	0
0	0	0	0	0	0	0
5.11128	0	0.00267	0	0	0	0
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0	0	0	0	0	0	0
5.11128	0	0.00067	0	0	0	0
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0	0	0	0	0	0	0
0.01581	0	2.02402	0	0.81556	0.06833	0.00412
0	0	0.10572	0	0.42574	0.00352	0
0	0	0.10572	0	0.42574	0.00352	0
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0	0	0	0	0	0	0
0.01581	0	1.91831	0	0.38982	0.06481	0.00412
0	0	0.0028	0.00623	0	0	0
0	0	0.0028	0.00623	0	0	0
0	0	0.0028	0.00623	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
16.61559	0	47.62273	7.45066	0	5.37909	0.02754
16.61559	0	47.62273	7.45066	0	5.37909	0.02754
16.61559	0	47.62273	7.45066	0	5.37909	0.02754
16.48846	0	45.60231	7.07632	0	2.83942	0
16.48846	0	45.60231	7.07632	0	2.83942	0

0.4798	0	0.7512	4.04379	0	0	0
0.4798	0	0.7512	4.04379	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0.10946	0	1.2047	0	0	0.04838	0
0.10946	0	1.2047	0	0	0.04838	0
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15.72157	0	0.02248	3.03134	0	2.09051	0
15.72157	0	0.02248	3.03134	0	2.09051	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.17731	0	43.62392	0	0	0.69932	0
0.17731	0	43.62392	0	0	0.69932	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0.00031	0	0	0.00036	0	0	0
0.00031	0	0	0.00036	0	0	0
0	0	0	0	0	0.00121	0
0	0	0	0	0	0.00121	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.00596	0.0188	0	2.53296	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.0188	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.0188	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0.16347	0
0	0	0	0	0	0.16347	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1.77326	0
0	0	0.00596	0	0	0	0
0	0	0	0	0	0	0

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0	0	0.00596	0	0	0	0
0	0	0.00596	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.35553	0	0.00671	0.02754
0	0	0	0.35553	0	0.00671	0.02754
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0.04207	0	0	0
0	0	0	0	0	0.00536	0
0	0	0	0	0	0.00536	0
0	0	0	0.31346	0	0	0.02754
0	0	0	0.31346	0	0	0.02754
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0.00135	0
0	0	0	0	0	0.00135	0
0.12713	0	2.01447	0	0	0	0
0.12713	0	2.01447	0	0	0	0
0	0	0.02814	0	0	0	0
0	0	0.02814	0	0	0	0
0	0	0	0	0	0	0
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0.00342	0	1.40784	0	0	0	0
0.00342	0	1.40784	0	0	0	0
0.12371	0	0.57848	0	0	0	0
0.12371	0	0.57848	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	9.53497	0	0.95306
0	0	0	0	9.53497	0	0.95306
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0.12922
0	0	0	0	0	0	0.12922
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0	0	0	0	9.53497	0	0
0	0	0	0	9.53497	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.29855	2.4674	0.11202	2.23334	3.83721	0.10252	4.50124
0	0	0.01531	0.07005	0	0	3.69315
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.01531	0.07005	0	0	3.69315
0	0	0.01531	0.07005	0	0	3.69315
0.29855	2.4674	0.09671	2.16329	3.83721	0.10252	0.80809
0	0	0	0.05543	0	0	0
0	0	0	0.05543	0	0	0
0	0	0	0.00294	0	0	0
0	0	0	0.00294	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0.00465	0	0
0	0	0	0	0.00465	0	0
0	0	0	0.01247	0	0	0
0	0	0	0.01247	0	0	0
0	0	0	0.03775	2.14886	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.00578	0.00293	0	0.03034	0	0.00493	0.00149
0.00578	0.00293	0	0.03034	0	0.00493	0.00149
0.22693	0	0.03041	0.43081	0.10405	0.00692	0.31077
0.22693	0	0.03041	0.43081	0.10405	0.00692	0.31077
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01818	2.21403	0.02078	1.18811	1.52229	0.08954	0.44641
0.01818	2.21403	0.02078	1.18811	1.52229	0.08954	0.44641
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.04551	0.00212	0	0	0
0	0	0.04551	0.00212	0	0	0
0	0	0	0.00089	0	0	0
0	0	0	0.00089	0	0	0
0.04766	0.25045	0	0.40245	0.05736	0.00113	0.04943
0.04766	0.25045	0	0.40245	0.05736	0.00113	0.04943
3.15181	2.55276	13.3876	8.44079	19.87999	0.03318	18.42556
3.15181	2.55276	13.3876	8.44079	19.87999	0.03318	18.42556
0.21525	2.55276	7.93523	5.51887	0.77675	0.03231	0.53305
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.21525	2.55276	7.93523	5.51887	0.77675	0.03231	0.53305
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.01131	0	0.05914	0.03253	0	0	0
0.01131	0	0.05914	0.03253	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.11485	0	1.24491	3.73352	0	0	0
0.11485	0	1.24491	3.73352	0	0	0
0	0	0	0	0	0.03231	0
0	0	0	0	0	0.03231	0
0.06824	0	0.31775	0	0	0	0
0.06824	0	0.31775	0	0	0	0
0.00872	0	3.52622	0.1981	0	0	0
0.00872	0	3.52622	0.0141	0	0	0

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0	0	0	0.184	0	0	0
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0	0	0	0	0	0	0
0.01213	0	2.78721	0.13179	0.77675	0	0
0.01213	0	2.78721	0.13179	0.77675	0	0
0	1.89538	0	0.23214	0	0	0.53305
0	1.89538	0	0.23214	0	0	0.53305
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0	0	0	0	0	0	0
0	0.65739	0	1.14944	0	0	0
0	0.65739	0	1.14944	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0.04136	0	0	0
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0	0	0	0	0.00636	0.00087	0
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0	0	0	0	0.00389	0	0
0	0	0	0	0.00389	0	0
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0	0	0	0	0.00082	0	0
0	0	0	0	0.00082	0	0
0	0	0	0	0.00165	0	0
0	0	0	0	0.00165	0	0
0	0	0	0	0.00165	0	0

0	0	0	0	0	0.00087	0
0	0	0	0	0	0.00087	0
0	0	0	0	0	0.00087	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.05547	0	1.21023	0.29404	1.74368	0	0.01914
0.00841	0	0.16454	0.00155	1.51543	0	0
0.00841	0	0.16454	0.00155	1.51543	0	0
0.00841	0	0.16454	0.00155	1.51543	0	0
0.04707	0	1.04569	0.29249	0.22824	0	0.01914
0.04707	0	1.04569	0.29249	0.22824	0	0.01914
0.04707	0	1.04569	0.29249	0.22824	0	0.01914
0	0	0.14985	0.40944	0	0	0.07335
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.14985	0.40944	0	0	0.07335
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.14985	0	0	0	0
0	0	0.14985	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.40944	0	0	0.07335
0	0	0	0.40944	0	0	0.07335
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2.71722	0	1.64202	0.2157	16.25755	0	17.61253
0.08955	0	0.63417	0.00731	5.6501	0	0
0	0	0.00088	0	0	0	0
0	0	0.00088	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0.08955	0	0.63329	0.00731	5.6501	0	0
2.62767	0	1.00599	0.11278	8.42376	0	17.56958
0	0	0	0	0.00322	0	0
0	0	0	0	0.00322	0	0
0.00466	0	0.02809	0.00223	0	0	0
0.00466	0	0.02809	0.00223	0	0	0
2.5773	0	0.96487	0.09146	8.29785	0	17.19216
2.5773	0	0.96487	0.09146	8.29785	0	17.19216
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.04572	0	0.01303	0.01909	0.12269	0	0.37742
0.04572	0	0.01303	0.01909	0.12269	0	0.37742
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.02006	1.78889	0	0
0	0	0	0	1.78889	0	0
0	0	0	0	1.78889	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.02006	0	0	0
0	0	0.00124	0.06109	0.39479	0	0.03601
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0	0	0	0	0.0183	0	0
0	0	0	0	0.0183	0	0
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0	0	0	0	0	0	0
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0	0	0	0.00024	0	0	0
0	0	0	0.00024	0	0	0
0	0	0	0	0.3267	0	0

0	0	0	0	0.3267	0	0
0	0	0.00124	0.0473	0	0	0
0	0	0.00124	0.0473	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00346	0.04979	0	0
0	0	0	0.00346	0.04979	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00024	0	0	0.03601
0	0	0	0.00024	0	0	0.03601
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0	0	0	0	0	0	0
0	0	0.00062	0.01446	0	0	0.00611
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0.00062	0.01446	0	0	0.00611
0	0	0	0	0	0	0.00082
0	0	0	0	0	0	0.00082
0	0	0	0	0	0	0.00082
0	0	0	0.05039	0	0	0
0	0	0	0.05039	0	0	0
0	0	0	0.05039	0	0	0
0	0	0.2168	0.44275	1.06792	0	0.08985
0	0	0.2168	0.44217	1.06459	0	0.08985
0	0	0.2168	0.41707	0.88058	0	0.08985
0	0	0.2168	0.41707	0.88058	0	0.08985
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.0251	0.18401	0	0
0	0	0	0.0251	0.18401	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00058	0.00333	0	0

0	0	0	0.00058	0	0	0
0	0	0	0.00058	0	0	0
0	0	0	0	0.00333	0	0
0	0	0	0	0.00333	0	0
0	0	0	0	0	0	0
0.16386	0	2.23348	1.5096	0.02773	0	0.09764
0.00694	0	0.0307	0	0.02773	0	0
0.00694	0	0.0307	0	0.02213	0	0
0.00694	0	0.0307	0	0.02213	0	0
0	0	0	0	0.00561	0	0
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0	0	0	1.32042	0	0	0
0	0	0	1.32042	0	0	0
0.15692	0	2.20277	0.18918	0	0	0.09764
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.15692	0	2.20277	0.18918	0	0	0.09764
0	0	0	0	0	0	0
0	0	0	0	0	0	0
5.43661	0	3.1598	1.65155	8.54775	0	0
5.43661	0	3.1598	1.65155	8.54775	0	0
5.43661	0	3.1598	1.65155	8.54775	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4.98334	0	1.20428	1.04888	8.49957	0	0
0	0	0.76007	0	0	0	0
0	0	0.76007	0	0	0	0
4.98334	0	0.4442	1.04888	8.49957	0	0
0.45327	0	1.95397	0.60267	0.04096	0	0
0.0094	0	0.07872	0.00301	0.00076	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0.90753	0	0.71625	0	0.22575	2.26044	1.01008
0	0	0	0	0.22575	0	1.01008
0	0	0	0	0.22575	0	1.01008
0.90753	0	0.71625	0	0	2.26044	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
22.87181	0.08092	4.47079	24.47373	4.08388	0.52646	20.66347
0	0	0.00327	3.14711	0.37211	0.01018	6.6516
0	0	0.00327	3.14711	0.37211	0.01018	6.6516
0	0	0	0.46509	0.66289	0.11993	0.71075
0	0	0	0.46509	0.66289	0.11993	0.71075
0.07579	0.06269	0.33834	5.7279	0.02279	0.03781	1.14402
0	0	0	0	0	0	0
0.07579	0.06269	0.33834	5.7279	0.02279	0.03781	1.14402
22.79602	0	4.12917	0.62519	0	0	0.05316
22.79602	0	4.12917	0.62519	0	0	0.05316
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1.70631
0	0	0	0	0	0	1.70631
0	0	0	0.33527	0	0	0
0	0	0	0.33527	0	0	0
0	0.01823	0	14.17316	3.02609	0.35854	10.39764
0	0	0	0.02034	0	0	0.01028
0	0	0	0.02034	0	0	0.01028
0	0	0	0.02034	0	0	0.01028
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.02034	0	0	0.01028
0	0	0	0.00109	0	0	0.0025
0	0	0	0	0	0	0.00158

0	0	0	0	0	0	0
0	0	0	0.02864	0	0	0.13013
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0	0	0	0	0	0	0.13013
0	0	0	0	0	0	0
0	0	0	0	0	0	0.13013
0	0	0	0.02864	0	0	0
0	0	0	0.04135	0	0	0
0	0	0	0.04135	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.04135	0	0	0
0	0	0	0.00794	0	0	0
0	0	0	0.00794	0	0	0
0	0	0	0.00823	0	0	0
0	0	0	0.00823	0	0	0
0	0	0	0.00267	0	0	0
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0	0	0	0.00056	0	0	0
0	0	0	0.00056	0	0	0
0	0	0	0.01026	0	0	0
0	0	0	0.01026	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.0117	0	0	0
0	0	0	0	0.62405	0	0
0	0	0	0	0.62405	0	0
0	0	0	0	0.62405	0	0
0	0	0	0	0.62405	0	0
0	0	0	0	0.59074	0	0
0	0	0	0	0.03332	0	0
0	0	0	0	0.03332	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0.00435	0	0	0.01172
0	0	0	0.00435	0	0	0.01172
0	0	0	0.00435	0	0	0.01172
0	0	0	0.00435	0	0	0.01172
0	0	0	0.0018	0	0	0.01172
0	0	0	0.0018	0	0	0.01172
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0.00255	0	0	0
0	0	0	0.00255	0	0	0
19.512	78.67108	10.19862	18.90753	25.55525	2.21789	48.51672
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
19.512	76.925	10.19862	10.31802	25.44536	1.92537	48.50904
19.512	76.925	10.19862	10.31802	25.44536	1.92537	48.50904
0	0	0.15691	1.64882	0	0	0.67043
0	0	0.1001	1.40673	0	0	0.60732
0	0	0.1001	1.40673	0	0	0.60732
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0.05681	0.24209	0	0	0.06311
0	0	0	0	0.00501	0	0
0	0	0	0	0.00139	0	0
0	0	0	0	0.00139	0	0
0	0	0	0	0.00362	0	0
0.11586	0	0.47631	0.24378	0	0.11456	7.5572
0	0	0	0.00835	0	0	0
0	0	0	0.00835	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.11586	0	0.47631	0.23543	0	0.11456	7.5572
0.11586	0	0.47631	0.23543	0	0.11456	7.5572
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
2.53952	0	9.22543	7.00729	21.06969	1.37733	33.2515
1.63782	0	7.27859	4.80935	16.2917	0.86777	24.93607
1.63782	0	7.27859	4.80935	16.2917	0.86777	24.93607
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.9017	0	1.94684	2.19794	4.77799	0.50956	8.31543
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
16.84128	76.925	0.261	1.39168	4.37066	0.05273	6.94395
0	63.18068	0.12331	0.01542	2.34417	0	0.37649
0	63.18068	0.12331	0.01542	2.34417	0	0.37649
16.84128	0	0.03355	1.35791	0.48446	0.00239	4.24558
16.84128	0	0.03355	1.35791	0.48446	0.00239	4.24558
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	13.74432	0.10414	0.01835	1.54203	0.05034	2.32188
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0.01534	0	0.07897	0.02645	0	0	0
0.01534	0	0.07897	0.02645	0	0	0
0.01534	0	0.07897	0.02645	0	0	0
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0	0	0	0	0	0.38074	0

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0	0	0	0	0
0.01517	0	0	0	0
0.00531	0	0	0	0
0.00986	0	0	0	0
0.00986	0	0	0	0
0.00986	0	0	0	0
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0	0	0	0	0
0	95.70282	20.76003	0	9.31353

0	95.70282	20.76003	0	9.31353
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0	0	0	0	0
0	95.70282	20.76003	0	9.31353
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0	0	0	0	0
0	95.70282	20.76003	0	9.31307
0	95.70282	20.76003	0	9.31307
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0	0	0.18272	0	0.00421
0	0	0.18272	0	0.00421
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0	0	0.01731	0	0.00421
0	0	0.01731	0	0.00421
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0	0.57886	0	0	28.73722
0	0.57886	0	0	28.73722
0	0.57886	0	0	28.73722
0	0.31598	0	0	28.18594
0	0.31598	0	0	28.18594

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0	0.26287	0	0	0.55128
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0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0.26287	0	0	0.55128
0	0.10637	0	0	0.51982
0	0.10637	0	0	0.51982
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0	0.15651	0	0	0.03146
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0	0	0	0	0
81.56457	3.38035	10.82261	1.02662	58.41718
73.15116	3.35267	0.65718	0.35846	2.40131
1.09034	0.07264	0.00501	0.06118	0.33743
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0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0.25944	0.0345	0	0	0
0.25944	0.0345	0	0	0
0.2557	0.0345	0	0	0
0.2557	0.0345	0	0	0
0	0	0	0	0
0	0	0	0	0
0.00375	0	0	0	0
0.8309	0.03815	0.00501	0.06118	0.33743
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0.8309	0.03815	0.00501	0.06118	0.33743
0	0	0	0	0
0	0	0	0	0
0.8309	0.03815	0.00501	0.03057	0.33734
0.8309	0.03815	0.00501	0.03057	0.33734
0	0	0	0	0
0	0	0	0	0
0	0	0	0.0306	9.00E-05
0	0	0	0.0306	9.00E-05
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0	0	0	0	0

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0	0	0	0	0
72.05731	3.25849	0.45058	0.08173	2.06389
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0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
72.05731	3.25849	0.45058	0.08173	2.06389
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0.45788	0	0	0	0
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0.05043	0	0	0	0.00077
0.05043	0	0	0	0.00077
0	0	0.0893	0	0
0	0	0.0893	0	0
0	0.09818	0	0	0.00348
0	0.09818	0	0	0.00348
0.00065	0.24234	0.00961	0	0.00179
0.00065	0.24234	0.00961	0	0.00179
1.4758	0.28603	0.19965	0.02861	0.04471
1.4758	0.28603	0.19965	0.02861	0.04471
0	0.17251	0	0	0.55706

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0	0	0.03094	0	0
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0	0	0	0	0
8.41341	0.02768	7.40032	0.66816	55.83755
0	0	0.24665	0.57093	0.0782
0	0	0.24665	0.57093	0.0782
0.23911	0.00518	0.37242	0.05656	3.87969
0.23911	0.00518	0.37242	0.05656	3.87969
0.17293	0.00357	0.00096	0	0.09439
0	0	0	0	0
0.17293	0.00357	0.00096	0	0.09439
0	0	0	0.01101	51.78527
0	0	0	0.01101	51.78527
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8.00138	0.01893	6.78028	0.02966	0
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0	0	0	0	0
14.87382	0.29209	48.65901	98.97237	3.52771
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0	0	0	0	0
0.013	0	48.65901	98.96805	3.18894
0.013	0	48.65901	98.96805	3.18894
0	0	0	0	0
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0	0	0	0	0
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0	0	0	87.98054	0.04908
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0	0	19.46778	0	0
0	0	19.46778	0	0

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0	0	0	0	0

Antibiotic resistance genes (ARGs) identified by sample and (

#ARG CARD ID	CHCC2C	CHRQ5C
gb NP_252410_1 ARO_3000818 nalC	0	0
gb BAE06005_1 ARO_3003704 mexM	0	0.04731425
gb CAA37052_1 ARO_3002995 ROB-1	0	0
gb AAC41449_1 ARO_3001398 OXA-3	0	0
gb AAR20595_1 ARO_3000090 BLA1	0	0
gb ANZ79241_1 ARO_3004036 tetB(60)	0	0
gb BAO21229_1 ARO_3003199 AAC(6_-)lak	0	0
gb ANP63073_1 ARO_3003741 mphD	0	0
gb AEV91550_1 ARO_3001710 OXA-211	0	0
gb AAA22562_1 ARO_3002878 BclI	0	0
gb AIN56719_1 ARO_3002496 OXA-418	0	0
gb NP_252408_1 ARO_3004056 ArmR	0	0
gb NP_249397_1 ARO_3002679 catB7	0	0
gb NP_216424_1 ARO_3003392 Mycobacterium	0	0
gb CCP46182_1 ARO_3003035 mfpA	0	0
gb AAL51021_2 ARO_3002598 ANT(3_-)-li-AAC(6_-)Ild	0	0
gb ADQ43421_1 ARO_3002646 APH(3_-)Ilc	0	0
gb AAO82019_1 ARO_3002916 vanV	0	0
gb AAB49832_1 ARO_3002636 APH(2_-)-IIIa	0	0
gb ACS44784_1 ARO_3002185 MOX-6	0	0
gb AAK60186_1 ARO_3003014 dfrA16	0	0.16745533
gb AAA22081_1 ARO_3002670 cat	0	0
gb AAB57788_1 ARO_3000464 Neisseria	0	0
gb ACR57831_1 ARO_3003022 dfrB3	0	0
gb YP_208330_1 ARO_3003929 Neisseria	0	0
gb AAB05623_1 ARO_3002932 vanSB	0	0
gb ADM92606_1 ARO_3000549 adeS	0	0
gb AAA26793 ARO_3003748 oleC	0	0
gb ABX54688_1 ARO_3002968 vanXYL	0	0
gb AAD51344_1 ARO_3003051 smeA	0	0
gb AAD51346_1 ARO_3003053 smeC	0	0
gb CAA39038_1 ARO_3002553 AAC(6_-)-If	0	0
gb WP_002333496_1 ARO_3004085 InuG	0	0
gb AAA26613_1 ARO_3002670 cat	0	0
gb ABW70410_1 ARO_3001644 OXA-113	0	0
gb BAA37152_1 ARO_3003702 Pseudomonas	0	0
gb AHV80711_1 ARO_3002863 dfrA8	0	0
gb AFC91828_1 ARO_3003041 Streptococcus	0	0

gb AAO16462_1 ARO_3000167 tet(C)	0	0
gb YP_207769_1 ARO_3003928 Neisseria	0	0
gb AAN28721_1 ARO_3002871 tet37	0	0
gb AHB39758_1 ARO_3003013 dfrA15	0	0
gb YP_002002225_1 ARO_3000817 mtrR	0	0
gb CCP46624_1 ARO_3003326 Mycobacterium_gb AAK48268	0	0
gb CAC14596_1 ARO_3003057 smeF	0	0
gb CAC14595_1 ARO_3003056 smeE	0	0
gb CAE50926_1 ARO_3002590 AAC(6_-)lih	0	0
gb AHH83938_1 ARO_3000013 vanB	0	0
gb AAF86691_1 ARO_3001816 ACC-2	0	0
gb ABD73290_1 ARO_3001920 CTX-M-59	0	0
gb AAD51347_1 ARO_3003067 smeS	0	0
gb ABR14060_1 ARO_3002838 lnuD	0	0
gb AGV28567_1 ARO_3000559 adeN	0	0
gb AAD51348_1 ARO_3003066 smeR	0	0
gb YP_007503908_1 ARO_3003306 Morganella	0	0
gb AFC91898_1 ARO_3003043 Streptococcus	0	0
gb CAC14594_1 ARO_3003055 smeD	0	0
gb AAD51345_1 ARO_3003052 smeB	0	0
gb AJF82049_1 ARO_3003573 LpxA	0	0
gb ABA71731_1 ARO_3002909 vanG	0	0
gb AAA65957_1 ARO_3002949 vanXA	0	0
gb ABA71732_1 ARO_3003069 vanXYG	0	0
gb AAA65959_1 ARO_3002962 vanZA	0	0
gb CBH51823_1 ARO_3000556 tet44	0	0
gb YP_002325610_1 ARO_3000774 adeA	0	0
gb AAA65956_1 ARO_3000010 vanA	0	0
gb ADX95999_1 ARO_3002873 FosB3	0	0
gb CBH51824_1 ARO_3002629 ANT(6)-Ib	0	0
gb ABA71733_1 ARO_3002972 vanTG	0	0
gb EEX02086 ARO_3004089 ANT(3_-)-IIa	0	0
gb AAA65958_1 ARO_3002955 vanYA	0	0
gb AAA65955_1 ARO_3002942 vanHA	0	0
gb AAA65954_1 ARO_3002931 vanSA	0	0
gb AAA65953_1 ARO_3002919 vanRA	0	0
gb CAA63498_1 ARO_3002670 cat	0	0
gb CAP69659_1 ARO_3003017 dfrA21	0	0
gb AJD73064_1 ARO_3001301 RImA(II)	0	0
gb Q8DWT2 ARO_3003774 Streptococcus	0	0
gb NP_358969_1 ARO_3000025 patB	0	0

gb YP_001440920_1 ARO_3000746 mepR	0	0
gb ADM92605_1 ARO_3000553 adeR	0	0
gb YP_001713101_1 ARO_3000779 adeH	0	0
gb ADJ67256 ARO_3003319 Staphylococcus	0	0
gb AAD22403_1 ARO_3002970 vanTC	0	0
gb NP_359110_1 ARO_3003042 Streptococcus	0	0
gb YP_040771_1 ARO_3003315 Staphylococcus	0	0
gb YP_039996_1 ARO_3003285 Staphylococcus_gb YP_039996	0	0
gb WP_004746565_1 ARO_3003848 ADC-2	0	0
gb YP_001315192_1 ARO_3000347 ErmA	0	0
gb AAX14803_1 ARO_3000782 adeK	0	0
gb AAF61331_1 ARO_3002966 vanXYC	0	0
gb YP_500802_1 ARO_3003074 Staphylococcus	0	0
gb YP_001332362_1 ARO_3000838 arlR	0	0
gb YP_002325611_1 ARO_3000775 adeB	0	0
gb WP_001025093 ARO_3003323 Staphylococcus	0	0
gb YP_186749_1 ARO_3000489 sav1866	0	0
gb AEG74319_1 ARO_3002794 QnrS5	0	0
gb AAV80464_1 ARO_3000565 tet(38)	0	0
gb AAP69916_1 ARO_3001780 OXA-85	0	0
gb ACG70184_1 ARO_3002788 QnrD1	0	0
gb AAP93922_1 ARO_3000569 tet(41)	0	0
gb YP_039483_1 ARO_3003296 Staphylococcus	0	0
gb ALH22601_1 ARO_3000620 adeL	0	0
gb CAA67349_1 ARO_3003359 Streptomyces	0	0.24754266
gb YP_499945_1 ARO_3000839 arlS	0	0
gb AAF01499_1 ARO_3000193 tetT	0	0
gb AAU95768_1 ARO_3000026 mepA	0	0
gb AAA25293_1 ARO_3000192 tetS	0	0
gb AAA24786_1 ARO_3000368 vanC	0	0
gb CAL44992_1 ARO_3002835 lnuA	0	0
gb YP_002320475_1 ARO_3000780 adeI	0	0
gb YP_002325052_1 ARO_3000768 abeS	0	0
gb CAE00499_1 ARO_3003835 cdeA	0	0
gb AEA37904_1 ARO_3003112 lsaC	0	0
gb YP_039997_1 ARO_3003291 Staphylococcus	0	0
gb AAN62561_1 ARO_3003970 D-Ala-D-Ala	0	0
gb AAL12234_1 ARO_3003552 fusB	0	0
gb YP_039482_1 ARO_3003301 Staphylococcus	0	0
gb AHW42429_1 ARO_3002858 dfrA12	0	0
gb YP_001706894_1 ARO_3000777 adeF	0	0

gb AGI42804_1 ARO_3002836 InuB	0	0
gb BAD89844_2 ARO_3000753 abeM	0	0
gb NP_358469_1 ARO_3000822 pmrA	0	0
gb AJF83452_1 ARO_3003574 LpxC	0	0
gb AAF86642_1 ARO_3002933 vanSC	0	0
gb WP_002530866_1 ARO_3003974 Propionibacterium	0	0
gb YP_009077553_1 ARO_3002680 catB8	0	0
gb YP_001706893_1 ARO_3000778 adeG	0	0
gb AAM09851_1 ARO_3002923 vanRD	0	0
gb AFU35065_1 ARO_3003206 IlsA	0	0
gb BAE15963_1 ARO_3002868 dfrG	0	0
gb CAJ67339_1 ARO_3000186 tetM	0	0
gb CAE50925_1 ARO_3002589 AAC(6_-)lid	0	0
gb AAF86641_1 ARO_3002922 vanRC	0	0
gb YP_208874_1 ARO_3003930 rpsJ	0	0
gb AAK63040_1 ARO_3002635 APH(2_-)-IIa	0	0
gb AFU35063_1 ARO_3002630 ANT(9)-Ia	0	0
gb YP_008997281_1 ARO_3002626 ANT(6)-Ia	0	0.21898004
gb AAX14802_1 ARO_3000781 adeJ	0	0
gb AAV97957_1 ARO_3001933 CTX-M-72	0	0
gb AAA26549_1 ARO_3002549 AAC(6_-)Ic	0	0
gb AAA22904_1 ARO_3000578 CcrA	0	0
gb AIA58911_1 ARO_3001396 OXA-1	0	0
gb NP_462089_1 ARO_3003939 Salmonella	2.10110559	0
gb AAK63041_1 ARO_3002559 AAC(6_-)Ip	0	0
gb AET35493_1 ARO_3001777 OXA-347	0	0
gb WP_014550864_1 ARO_3003953 hmrM	0	0
gb YP_001086469_1 ARO_3003995 Clostridium	0	0
gb ACC85616_1 ARO_3002804 FosA2	0	0.12377133
gb AAD12753_1 ARO_3000177 tet(J)	0	0
gb AIT76100_1 ARO_3002152 DHA-21	0	0
gb BAA23130_1 ARO_3002493 SRT-1	0	0
gb CAC81324_1 ARO_3003015 dfrA19	0	0
gb YP_003283625_1 ARO_3000178 tet(K)	0	0.29250759
gb NP_863643_1 ARO_3002597 AAC(6_-)Ie-APH(2_-)-Ia	0	0
gb AAA25655_1 ARO_3002670 cat	0	0
gb AAK01167_1 ARO_3002819 mSrC	0	0
gb YP_001245420_1 ARO_3000215 mecR1	0	0.08414012
gb CAC19929_1 ARO_3002854 dfrA1	0	0
gb BAG75524_1 ARO_3003954 efmA	0	0
gb AGN33258_1 ARO_3002829 vgaA	0	0

gb YP_001569085_1 ARO_3000621 PC1	0	0.78394855
gb ALL09868 ARO_3003092 Enterococcus	0	0
gb BAD95494_1 ARO_3002895 SAT-1	0	0
gb NP_373280_1 ARO_3000124 mecl	0	0
gb CAE51638_1 ARO_3002641 APH(3_-)Ia	0	0
gb AFK58561_1 ARO_3003079 Enterococcus	0	0
gb AAD46626_1 ARO_3002596 AAC(6_-)IIc	0	0
gb QOSSM7 ARO_3003773 Clostridium	0	0
gb ACT97415_1 ARO_3002999 CblA-1	2.08159706	0
gb AAC78336_1 ARO_3002826 EreA2	0	0
gb AAC36915_1 ARO_3000593 ErmQ	0	0
gb YP_006938491_1 ARO_3003905 ANT(4_-)Ib	0	0.03342553
gb AGC51118_1 ARO_3000617 mecA	0	0
gb BAJ17544_1 ARO_3002069 CMY-59	0	0
gb CAC41371_1 ARO_3000196 tet32	0	0
gb AKN19287_1 ARO_3002578 AAC(6_-)Ib7	0	0
gb AFK58562_1 ARO_3003078 Enterococcus	0	0
gb YP_006374661_1 ARO_3003438 Enterococcus	0	0
gb AAY32951_1 ARO_3002837 lnuC	0	0
gb CAA52904_1 ARO_3002688 catS	0	0
gb AET10445_1 ARO_3004033 tetB(46)	0	0.04424985
gb ABG91835_1 ARO_3002860 dfrA17	0	0
gb AGV10830_1 ARO_3002647 APH(3_-)IIIa	0	0
gb YP_003281576_1 ARO_3000815 mgrA	0	1.00906624
gb WP_009887863_1 ARO_3003357 Clostridium	0	0
gb ACI32877_1 ARO_3002859 dfrA14	0	0
gb AAB63533_1 ARO_3002556 AAC(6_-)II	0	0
gb ABF66011_1 ARO_3002881 lmrC	0	0.93107679
gb AAB53445_1 ARO_3002897 SAT-4	0	0
gb YP_008997285_1 ARO_3000615 mefA	0	0
gb CDO61516_1 ARO_3003949 efrB	0	0
gb AET10444_1 ARO_3004032 tetA(46)	0	0
gb AFK31666_1 ARO_3000567 tet(40)	55.7168179	0
gb YP_007503840_1 ARO_3000165 tet(A)	0	0
gb CAE51745_1 ARO_3000168 tet(D)	0	0
gb AAL08441_1 ARO_3002670 cat	26.0851545	0
gb AAA98296_1 ARO_3000250 ErmC	0	0.11386962
gb AAA22851_1 ARO_3000179 tet(L)	0	0
gb ABF66027_1 ARO_3002882 lmrD	0	1.38959538
gb WP_014065640_1 ARO_3003924 Haemophilus	0	0
gb CAD09823_1 ARO_3003479 tetR	0	0

gb AIJ27543_1 ARO_3002629 ANT(6)-Ib	0	0
gb AAA98096_1 ARO_3000595 ErmT	0	0
gb AET15272_1 ARO_3003197 aadA25	0	0.47445676
gb AFK13828_1 ARO_3000823 ramA	0	4.37960083
gb BAJ09383_1 ARO_3003046 qacA	0	0
gb YP_005228001_1 ARO_3003968 Klebsiella	0	11.4516608
gb CDO61513_1 ARO_3003948 efrA	0	0
gb ACA23185_1 ARO_3000194 tetW	2.40126353	1.5941747
gb AAO04716_1 ARO_3002865 dfrC	0	0.94891351
gb CAQ03505_1 ARO_3001338 SHV-100	0	61.618993
gb AAA20117_1 ARO_3000195 tetB(P)	0	0
gb BAC11911_1 ARO_3003551 emeA	0	0
gb AAG03357_1 ARO_3000596 ErmX	0	0
gb CAA38525_1 ARO_3002535 AAC(3)-IIc	0	0
gb AAF17880_1 ARO_3002605 aadA5	0	0
gb AIT76113_1 ARO_3002174 MIR-9	0	1.36643546
gb AAA20116_1 ARO_3000180 tetA(P)	0	0
gb AFK13827_1 ARO_3000825 robA	0	0.351098
gb AAS13767_1 ARO_3003839 Mrx	0	7.12558369
gb AAS68233_1 ARO_3000391 norA	0	5.26028144
gb AAT46077_1 ARO_3000300 IsaA	0	0
gb BAA03776_1 ARO_3000316 mphA	0	6.7102178
gb AAL78275_1 ARO_3002391 OXY-1-3	0	0
gb AAA27471_1 ARO_3000205 tetX	35.8513443	43.5469634
gb AAU10334_1 ARO_3002628 aad(6)	0	0
gb AAD01868_1 ARO_3002867 dfrF	1.42033941	1.09791274
gb AEJ33969_1 ARO_3000410 sul1	0	0.98103059
gb AAC23556_1 ARO_3002660 APH(6)-Id	0	2.4924252
gb AAF86219_1 ARO_3000375 ErmB	1.01940433	0
gb AEL31272_1 ARO_3002756 QnrB41	0	3.84759459
gb CAP12359_2 ARO_3002452 OKP-B-19	0	16.3687581
gb AAA23033_1 ARO_3000190 tetO	69.3894536	17.8842288
gb CAC41008_1 ARO_3004041 Klebsiella	0	67.3728595
gb AAL59753_1 ARO_3000412 sul2	0	2.84674054
gb YP_491919_1 ARO_3000508 gadX	8.5803346	0.48556816
gb WP_041918279_1 ARO_3003925 Haemophilus	0	0
gb AAD01867_1 ARO_3002875 dfrE	0	1.26521802
gb AAC37034_1 ARO_3000522 ErmG	0	78.7598217
gb AAC77293_1 ARO_3001214 mdtM	0	0
gb AJE60855_1 ARO_3003209 FosA5	0.41688603	15.4989207
gb ABK33456_1 ARO_3002639 APH(3_)-Ib	0	5.69348108

gb NP_461214_1 ARO_3003926 Salmonella	0	1.42337027
gb YP_002743273_1 ARO_3000616 mel	0	0
gb NP_415372_1 ARO_3003751 Escherichia	20.948523	1.0675277
gb AMP35312_1 ARO_3002831 vgaC	0	29.3685319
gb YP_003971446 ARO_3003730 Bifidobacteria	0	11.8614189
gb ABR75897_1 ARO_3003373 Klebsiella	0	54.2675387
gb AAA88675_1 ARO_3000498 ErmF	775.408016	34.1608865
gb ABR76005_1 ARO_3003380 Klebsiella	0	118.614189
gb ANK04027_1 ARO_3003838 gadW	0	2.10580807
gb AFH35853_1 ARO_3001328 mdfA	37.9146874	1.1986276
gb NP_899170_1 ARO_3000599 Erm(33)	0	1.89782703
gb AAC74603_2 ARO_3003378 Escherichia	30.9537877	0.68321773
gb AAA21532_1 ARO_3003559 cepA	0	0
gb YP_489201_1 ARO_3003390 Escherichia	0	2.27739243
gb NP_417969_1 ARO_3003834 gadE	33.8390085	1.02698868
gb NP_416292_1 ARO_3002818 msrB	31.2664523	0.94891351
gb NP_309766_1 ARO_3000676 H-NS	44.6826027	1.03517838
gb NP_415222_1 ARO_3003841 kdpE	0	0
gb NP_311275_1 ARO_3000832 evgA	47.9284455	1.10196408
gb AHA80960_1 ARO_3001388 TEM-211	63.1582336	2.6277605
gb ACT97371_1 ARO_3003097 CfxA6	29.5155309	149.782349
gb YP_001693237_1 ARO_3003922 oqxA	0	169.008094
gb AAC75314_1 ARO_3003578 PmrF	47.2436094	1.85987049
gb NP_416715_1 ARO_3003952 YojI	23.4123195	1.49657217
gb YP_490321_1 ARO_3000828 baeR	50.8221969	1.62670888
gb NP_415632_1 ARO_3003844 mfd	53.9569633	1.08447259
gb BAA11236_1 ARO_3000206 emrK	55.8466939	0.98541019
gb YP_005226137_1 ARO_3003966 Klebsiella	0	181.550878
gb AAC75315_1 ARO_3002985 arnA	25.1093663	1.13556793
gb CDO13981_1 ARO_3003585 Klebsiella	0.15633226	104.499101
gb CAA77936_1 ARO_3004039 Escherichia	47.3686752	1.0675277
gb NP_414997_1 ARO_3003807 Escherichia	55.5407342	3.0724412
gb BAE78083_1 ARO_3003549 mdtO	56.6313616	0.63260901
gb ACN32294_1 ARO_3000237 tolC	55.2734028	2.16093487
gb AAC74149_2 ARO_3001216 mdtH	54.5741712	1.29397297
gb AAC75138_1 ARO_3001330 mdtD	51.9916435	0.81335444
gb AAC76298_1 ARO_3000502 acrF	52.2274818	1.5941747
gb AAC75135_2 ARO_3000792 mdtA	65.4890054	0.51758919
gb AAC75733_1 ARO_3000074 emrB	46.6912354	0.94891351
gb BAE78116_1 ARO_3003576 PmrC	80.2207832	1.22003166
gb AAC76539_1 ARO_3000796 mdtF	65.5779851	2.84674054

gb NP_414618_4 ARO_3003843 leuO	79.8949815	0.33491065
gb AAC76296_1 ARO_3000656 acrS	69.4930887	2.47542656
gb AAC75429_1 ARO_3000833 evgS	60.0315883	1.70804433
gb NP_415804_1 ARO_3004045 antibiotic	56.4087581	3.05818323
gb BAA11237_1 ARO_3000254 emrY	59.2159417	1.51826162
gb NP_460903_1 ARO_3000826 sdiA	31.8917813	60.0187798
gb NP_417544_5 ARO_3000024 patA	78.1990427	2.39725519
gb NP_418486_1 ARO_3003511 Escherichia	59.6272402	2.76112429
gb YP_001693238 ARO_3003923 oqxB	0	215.640596
gb BAE77781_1 ARO_3000795 mdtE	79.3998879	4.17474854
gb NP_312864_1 ARO_3000830 cpxA	71.7565079	4.27011081
gb AAC76733_1 ARO_3001215 mdtL	69.2348006	2.35165523
gb BAE77595_1 ARO_3003303 Escherichia	93.0489619	4.55478487
gb CAA79727_1 ARO_3000191 tetQ	341.141045	190.512636
gb BAA15934_1 ARO_3000829 baeS	143.729476	7.8832815
gb AAC75089_1 ARO_3003577 PmrE	154.119559	3.94164075
gb YP_489794_1 ARO_3000263 marA	114.935479	7.87598217
gb BAE78084_1 ARO_3003548 mdtN	136.679063	6.1001583
gb BAE78082_1 ARO_3003550 mdtP	182.908746	3.01419587
gb NP_415434_1 ARO_3003950 msbA	135.071074	6.56940125
gb BAA16547_1 ARO_3000027 emrA	130.217121	4.69811726
gb NP_414995_1 ARO_3000216 acrB	129.876032	6.56940125
gb ABG77965_1 ARO_3004042 Enterobacter	72.0691724	130.396532
gb AIL15701 ARO_3003775 Escherichia	164.509641	5.255521
gb AAC76297_1 ARO_3000499 acrE	152.387878	5.255521
gb AAC75137_1 ARO_3000794 mdtC	161.04628	3.94164075
gb BAE77933_1 ARO_3000518 CRP	65.830094	107.399757
gb AAC75136_1 ARO_3000793 mdtB	161.04628	5.255521
gb NP_417169_1 ARO_3000516 emrR	108.970383	46.1070299
gb NP_312937_1 ARO_3003288 Escherichia	60.0315883	137.782242
gb CDJ72593 ARO_3003889 Escherichia	154.119559	3.94164075
gb AAC77033_1 ARO_3003381 Escherichia	123.815151	7.11685136
gb AAC76093_1 ARO_3002986 bacA	185.289806	11.8249223
gb NP_415611_1 ARO_3004049 antibiotic	181.826445	9.19716175
gb YP_489321_1 ARO_3001329 mdtG	152.387878	12.0439023
gb YP_491362_1 ARO_3003386 Escherichia	174.899724	9.19716175
gb EFF04178_1 ARO_3000309 emrD	207.801652	9.19716175
gb YP_490697_1 ARO_3000491 acrD	197.411569	7.8832815
gb CDJ73208 ARO_3003890 Escherichia	130.150006	233.164553
gb NP_462096_1 ARO_3003317 Salmonella	168.838842	13.6643546
gb AAN82549_1 ARO_3003369 Escherichia	438.98099	22.2045762

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	0	26.9363943	4.39969793	12.1687349	0	0	0
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	0	215.491154	135.510696	0	0	0	0
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	0	0	13.6390636	0	1.34604109	0	0.74959306
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73.1676442	106.062052	0.32418827		0	4.64915507	0	0
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227.461519	248.892283	170.278087	289.61589	29.2090916	276.140832	63.6654374
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0	86.8508983	173.393872	0	0	0	0	0

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0	163.590359	3.87039893	0.54811076	206.129618	132.835767	53.5254819
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0	227.494023	4.240611	3.40077815	230.513913	157.305513	60.573589
0	268.63696	2.32223936	1.64433229	238.040898	156.306748	78.6327956
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0	568.765544	11.2539292	5.31245818	533.323068	411.41442	240.673658
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134.608016	0	98.7978964	0	321.410899	0	13.5411145
126.804653	0	84.1810578	586.899394	148.562325	0.44099954	8.15860326
145.51835	0	88.9181067	72.8909866	263.080773	1.58759834	4.40086222
348.138837	0	153.136739	92.0728252	589.997321	0	19.80388

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8.35757346	0.76017887	0	33.9038608	51.4180603	38.4710456	0.49671906
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9.74486299	0	0	81.5744848	89.5803219	5.11368975	0
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0	0	0.06422526	0	110.779444	0.20621804	44.2610173
167.409282	0.7425977	8.8131332	90.3251746	0.70242547	140.495588	16.1848131
0	0	0	0	96.9347153	0	105.574781
0	0	0.73314259	0	85.9869382	1.40840945	96.9598622
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0	0	0.22264758	0	83.6167283	0.95318561	104.618632
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97.2300029	213.086455	2.40643526	4.55370924	85.0163683	0.58230324	103.826184
282.35215	0.25829485	13.2196998	101.318326	0	298.61518	29.1326635
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76.3162784	216.198172	7.37188773	76.7577797	203.601586	57.3539479	196.610294
208.7611	349.714009	20.0382818	119.315362	115.385091	156.084144	153.647825
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107.474108	207.798208	22.0429167	183.656097	202.970421	304.756061	212.27907
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20.6684463	0	48.2014491	0	0	5.44432665	259.580742
25.0702098	0	94.1264323	0	0	7.56982627	286.426476
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13.3100086	0	0	0	28.3952014	139.300294	0
53.5475416	0	0	0	16.8994242	0	40.2738915
57.8375606	0	0	0	19.1757693	0	17.3398979
52.9777683	0	0	0	17.1482419	0	29.4651496
48.5192432	0	0	0	17.1482419	0	34.9470379
52.7457636	0	0	0	10.8148025	0	44.4151551
13.5853881	0	5.0475681	0	37.394095	114.566084	1.13920491
35.5179017	0	0	0	21.3227912	0	17.766062
15.4900962	0	95.2857243	189.533355	19.4178621	71.2072275	9.89309528
51.2894298	0	0	0	17.6526019	0	4.98113888
52.2235015	0	0	0	20.7609949	0	35.0824202
40.5956783	0	0	0	21.0428367	0	37.8808465
54.6941216	0	0	0	16.7218284	0	35.2962747
57.5793476	0	0	0	16.6897327	0	37.8518428
64.5174802	0	0	0	24.2092826	0	41.6280893
47.1449685	0	0	0	20.618239	0	46.0478617
60.0827975	0	0	0	1.92573839	0	39.8994256
55.6878522	0	0	0	20.7908423	0	42.3704283
54.7808483	0	0	0	13.6597515	0.13428992	61.7997251
49.1093421	0	0	0	22.4111294	0	45.6724715

64.1472221	0	0	0	13.2913709	0	48.2486786
53.8785956	0	0	0	25.4811471	0	51.9289745
78.2077748	0	0	0	26.8319549	0	47.4868574
57.2609741	0	74.3027105	110.96976	17.153724	7.47936441	43.5413502
66.9383988	0	0	0	16.9464978	0	49.8113888
35.3403677	0	110.479934	126.745728	22.3599624	52.1716321	28.180332
60.8733606	0	0	0	26.7576282	0	47.3353841
58.5888842	0	40.6624712	0	21.0857897	10.5382244	42.6559433
18.5881155	0	147.564108	5.75786492	37.322644	170.615337	15.4178108
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34.7666604	0	0	0	31.7746834	0	64.7548055
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122.740572	0	0	0	40.8531644	0	94.8195366
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118.20135	0	25.6736588	11.1130819	45.6251865	0	104.603917
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128.369208	0	0	0	37.4778317	0	107.924676
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152.517871	0	1.42631438	0	45.6251865	0	102.943537
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149.975906	0	0	0	58.660954	0	107.924676
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0	0.46466187	0.12268327	0	0	0.29855542	0
0	0.34547806	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1.48287674	0.71752593	0	0
0	0	0	2.94124313	1.56699208	0	0
0	0.4928232	0	0	0	0	0
0	53.4248918	0	0	0	0.11576554	39.2887927
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1.54887291	0	2.77317209	0.98247916	0	0.45361744
0	0	0	1.90315732	0	0	0

0	0	0	0	87.2894948	0	0
0	0	2.60237236	0	0	0	0
0	0.4517546	0	0	0	0	0
0	8.34008492	0	0	0.83643496	0	0
2.4506734	90.2771642	14.0528107	0	0	0	7.12041923
0	2.3614445	0	0	0	0	0
0	0.6377712	0	0	0	0.68097375	0.79923073
0	3.03579091	0	0	0	0	0
3.33563879	53.3070428	7.15652398	0	0	0	6.99326888
29.5962133	30.1114975	0	0	0	0	0
0	0	0	0	0	0	0
0	1.79278991	0.2385508	0	0	2.14086954	0.68974707
14.9296736	0	0	0	0	0	0
0	0.30116973	0	0	0	0	0
0	0	0	0	0	0	0
0	1.73473766	0	0	0.41264125	0	0
0	0	0	0	0	70.7889644	0
0	1.5811411	0	0	0.63615526	0	0
0	0	0	0	0	0	0
4.7424082	118.273283	3.19865507	0	0	0	20.9068334
0	2.99448764	0	0	0	1.33637176	0.65215821
0	0.68743016	0	0	0	0	0
0	0	0	0	7.8598333	0	0
25.868289	0	30.9490332	0	0	0	0
0	57.546586	0	0	0	0	0
0	0	0	0	0	0	0
0	0.80898824	0	0	0	0	0
0	0.06979899	0	0	0	0	0
0	2.32330937	0.31806773	0	79.6626854	0	0
0	0.2464116	0	0	0	0	0
7.22721739	10.8421104	159.590485	0	3.09480936	0	0
0	4.20928992	0	0	3.27685697	4.69871889	0
22.6823438	43.242736	99.8096544	0	3.78254478	0	0
0	0	0	0	0	0	0
0	0.26660927	2.78048555	0	15.7911379	0	17.9876047
0	5.00405095	2.64240885	10.4527256	4.76124517	0	0
0	7.2280736	1.27227093	0	0	1.92942563	0.6216239
289.088695	0	0	0	0	0	0
0	1.4784696	6.91797318	0	33.7615567	0	54.1660463
37.0626533	56.0175704	0	0	0	0	0
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0	0	5.72521918	0	77.8860356	0	0
2.38259914	16.8655051	1.63577691	16.1768372	1.47371874	0.32157094	0
0	0.6776319	4.05536359	0	32.2375975	0	43.4748216
0	5.14805242	84.2719313	0	9.35122253	0	0.48298836
0	1.41418831	0	0	0	0	0
26.2137701	33.2452103	96.1463439	0	5.1580156	0	0
0	0	0	0	0	0	0
57.8177391	77.0564275	118.493072	0	3.37460234	0	0
0	0	0	0	1.93425585	0	140.938318
0	0.2853187	2.71194593	0	44.2503444	0	75.3800772
0	209.614134	0	0	0	4.50199314	286.568618
0	2.258773	4.29391439	0	27.5094165	0	76.4597398
279.598009	0	93.4437559	0	0	0	0
0	0.65956172	5.74430325	0	40.4388423	0	66.1283506
0	2.05862856	4.23956104	0	58.076644	0	79.6701518
0	0.85595608	4.05536359	0	39.1149517	0	87.4794362
0	1.2755424	2.60237236	0	50.642335	0	92.8197506
0	0.77443646	8.58782877	0	128.213531	0	0
0	1.04923649	4.71663135	0	64.930314	0	96.6158143
0	0	0	0	0.85966927	0	270.872615
533.257455	0	0	0	73.6859372	0	0
92.8805946	113.81317	262.42629	0	5.56256585	0	0
0	2.19552736	5.39124806	0.1294147	69.3753098	0	112.134736
0	1.30105325	5.69250364	0	75.9407268	0	0
0	2.06516389	4.36207176	0	75.2210609	0	94.0428158
0	1.54887291	6.54310764	0	64.8436247	0	114.023584
0	1.21878524	4.62421549	0	92.2491252	0	135.884594
94.8711267	102.412768	283.231364	0	9.19846116	0	0
0	0.87570892	8.43997971	0	39.1272326	0	145.330886
49.2006722	62.3421348	163.049471	0	6.01768487	0	0
0	0	0	0	78.6597379	0	132.172782
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0	5.4210552	4.45294825	0	87.6862652	0	127.743712
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	0	1.2755424	6.39877438		0	87.3828526	0	144.801803
	0	5.65675325	7.96552234		0	95.9839425	0	144.000528
	0	0.46466187	6.13416341		0	109.349931	0	166.160069
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	0	2.16842208	5.15269726		0	114.507946	0	144.851882
45.3090936		37.9473864	119.752501		0	48.5713136	0	71.3313426
	0	1.71191217	6.62920116		0	142.252641	0	152.821328
38.4392661		3.26078508	6.22743139		0	115.467156	0	118.356256
71.7162341		121.973742	302.005312		0	3.8685117	0	0
	0	2.25148664	7.08289976		0	146.645936	0	167.004382
	0	2.7105276	14.313048		0	152.806212	0	183.922972
	0	1.95292672	7.34321591		0	174.667708	0	175.31821
	0	2.89122944	9.54203197		0	153.364997	0	182.757427
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	0	0	21.1392708		0	245.204126	0	0
	0	2.50202548	17.1756576		0	195.211052	0	322.766256
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	0	2.32330937	9.20124511		0	279.638132	0	242.166911
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	0	2.50202548	31.7089062		0	240.442881	0	313.728801
107.481695		94.4167114	204.159726		0	109.177997	0	163.33168
160.110662		5.00405095	11.8908398		0	192.830429	0	271.123655
	0	5.00405095	14.5332487		0	228.539768	0	313.728801
	0	5.00405095	13.2120443		0	254.726617	0	344.714362
120.082997		69.9808944	186.069623	115.590855	125.199106	0	142.662685	0
	0	0	15.8544531		0	216.636655	0	321.475191
39.73761		37.2052181	71.2926103		0	207.516686	0	246.244146
144.544348		99.0246083	169.466488	161.768372	136.171612	0	151.800557	0
	0	2.50202548	14.5332487		0	273.771597	0	325.348386
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	0	10.0081019	13.2120443		0	276.15222	0	346.005427
113.924894		10.0081019	26.4240885		0	209.494788	0	405.394418
37.7183771		9.38259554	25.2129845		0	225.96076	0	486.839103
	0	0	31.7089062		0	283.294088	0	435.088913
130.859676		5.00405095	13.2120443		0	488.02763	0	369.244597
	0	7.50607643	14.5332487		0	376.138369	0	515.134945
122.959381		172.413125	348.408628		0	294.567543	0	256.034723
166.114812		13.0105325	22.3283548		0	309.480936	0	466.5909
196.135561		16.2631656	48.0918411		0	758.228293	0	965.071106

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0	1.92639613	0	0	0	5.78910364	2.67247711
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0	0.75337993	0	0	0	3.44468516	0
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150.76428	0	0.43083624	0	0	0	0
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45.5731403	0	0.71460819	28.6433638	2.47809634	0	0	0
150.870042	5.84899955	0	0	0	1.55846529	0.15244785	0
5.23934544	10.8920027	0.60718343	0	0.98037721	2.66794243	0	0
	0	7.93560196	0	0	0	40.1715902	43.6122811
37.1120302	0	0	27.7151066	4.5634225	0	0	0
	83.91468	3.5748545	0	0	0	0.14725656	0
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	0	0	0	0	51.7151525	0	0
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1.78137745	1.32260033	0	0	0	4.6650879	0.29269987	0
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1.45797262	0.96439607	0	0	0	4.23313531	0.14634994	0
	0	0	0	0	0	0	0
54.3956328	0.28752181	1.77271163	29.592377	5.64173595	0	0	0
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	0	15.260773	0	2.69296583	2.1977687	103.170213	0
	0	3.43041617	0	15.5279884	0	12.2685394	4.60814851
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17.6723953	6.98039061	0	0	56.8774399	34.5562067	0	0
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26.2435071	1.10216694	0	0	0	0	0	0
	0	44.579411	0	10.0907014	0	255.436431	6.97314404
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	0	0.76303865	0	0	0	2.72957271	0
0.54755454	1.26026466	0	94.5159266	14.9587884	0.95596064	0.17993845	0
	0	19.8390049	14.2921638	0	1.64832652	0	1.68865312
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	0	4.50886475	0	153.560256	76.0256269	4.98095322	0.9146871
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0.92780076	3.03095908	0	233.998159	42.5588751	2.56471846	1.06713496
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64.4592587	6.59143749	95.2215415	0.27847715	0.65992783	0.88914153	0
0	0	0	0	158.198647	0	0
173.744892	10.7067645	0	0	0	0.43597699	0.15907602
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1.50680423	4.69871168	0	181.952362	60.4000818	3.58065957	0.38513141
1116.89539	0	5.16105916	0	0	0	0
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0.90598989	8.78943255	0	166.235247	73.936486	3.56770963	1.94515739
1.00453616	6.91359261	0	197.055734	66.1696263	3.83642097	0.33261349
1.12271688	6.91359261	0	212.703498	73.3755049	3.5341575	0.66522699
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1.06034372	7.87262099	0	245.05989	90.5881883	7.28919984	2.09071338
3.33250883	5.35338227	0	274.511532	92.8557275	4.93660095	2.43916561
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283.376859	16.6978291	0	0	0	4.21153769	0
1.34931651	3.81519325	0	360.883068	74.5383719	1.5699815	1.9660747
167.269222	11.7105237	206.872455	0.72934491	1.58727739	0.80991109	0
1.46816823	2.47987561	0	693.971683	155.205968	13.7684886	1.37203066
2.87187724	11.7545681	0	270.406025	109.576944	5.59273645	3.63067618
2.12068744	11.43042	0	333.675297	99.9511728	4.76292087	2.05804599
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106.247302	0	28.7650686	24.4709924	0	31.5862974	0
134.244564	0	24.6557731	0	0	33.645703	0
182.830986	0	19.9485306	0	0	31.1109906	0
143.966169	0	27.9498642	3.98622501	0	45.7690535	0
162.97469	0	31.4647714	0	0	46.1157888	0
169.371964	0	40.5273031	0	0	36.8695153	0
69.5718866	377.881106	31.456537	55.4196005	0	85.5462222	0
136.707371	0	16.7699185	14.6161584	0	30.5127023	0
148.805368	0	34.9373303	0	0	49.5831413	0
162.113166	0	23.7573846	0	0	33.0554275	0
62.4329989	309.897261	32.2058663	38.2113892	122.237889	156.512441	0
164.532765	0	30.7448507	0	0	47.0404161	0
113.35882	110.308095	33.1752736	22.3289238	0	88.3445653	0
83.5299511	336.299481	26.6455372	39.9213053	0	207.147346	0
186.30916	0	26.552371	0	0	43.2263283	0
119.266091	730.472114	61.3150147	84.2090033	0	49.5831413	0
177.840562	0	30.7448507	0	0	36.8695153	0
181.469961	0	43.3222896	89.0256919	0	52.1258665	0
208.992906	0	38.4310633	23.0315223	0	43.9679565	0
217.763954	0	27.9498642	0	0	53.3972291	0
216.554154	0	55.8997285	98.3268836	0	48.3117787	0
199.616958	0	41.9247964	0	0	58.4826795	0
130.624767	168.694411	38.5289554	21.7798091	0	117.410643	0
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451.376284	2104.07729	207.108494	1.72736417	0	120.652311	0

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0	0	1.38255472	0	0	0	0.03465925
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0	0.34403606	1.12318833	38.488512	0	0	1.04181637	
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58.4096462	0.39726428	0	0	0	0.89502458	0	0
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1.36897608	193.735305	0	0	0	0	0	0
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50.1957897	0	55.82402	0	0	0	3.19779745
57.556088	0	0	0	0.47152041	0	28.9235205
1.52108454	0	0	0	0	0	6.23160529
1.69904541	109.41992	0	122.992216	0	0	1.84488315
1138.37967	0	0	0	0	0	0
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153.92542	0	192.5332	0	0	0	11.0692989
74.9334277	0	82.7415404	0	0	0	4.97147458
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78.7161247	0	77.4375955	0	0	0	5.16567281
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74.1437446	0	77.777048	0	0	0	4.36868329
87.3891947	0	97.5858722	0	0	0	3.02654248
94.0859926	0	95.181702	0	0	0	5.90362607
88.6100882	0	116.590352	0	0	0	7.5137059
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123.901462	0	123.316719	0	0	0	5.55432819
162.970736	0	170.602145	0	0	0	0.11807252
111.864903	0	117.292953	0	0	0	5.90362607
122.034439	0	135.780989	0	0	0	5.06025092
78.4836873	0	134.026608	0	0	0	6.81187623
1.98501532	40.3554296	0	0	0	0	0
167.16251	0	173.484461	0	0	0	6.53291368
1.25489474	200.802379	0	98.4728581	0.11378704	0	16.9729249
135.870876	0	152.753613	0	0	0	6.64157933
135.595155	0	134.35123	0	0	0	8.51571637
126.090857	0	74.9858382	0	0	0	6.45098213
140.550285	0	148.717793	0	0	0	6.46044534
148.098322	0	141.18137	0	0	0	8.58709246
165.450538	0	171.393191	0	0	0	9.27712668
146.5352	0	148.680183	0	0	0	6.84820624
0.49780948	0	180.526997	0	0	0	10.7338656
142.373513	0	158.057558	0	0	0	8.52745988
82.3015383	0	97.1379622	0	0	0	6.64157933
163.562882	0	175.722001	0	0	0	5.13358789

155.580105	0	177.838152	0	0	0	10.0708915
171.181531	0	150.263065	0	0	0	9.75381698
164.82472	0	148.934773	0	0	0	8.8554391
143.201842	0	146.077561	0	42.0319445	0	19.9086955
150.039779	0	165.483081	0	0	0	5.11647593
86.0173305	137.686097	88.841077	121.918777	77.1476157	0	27.0582861
200.302816	0	190.60703	0	0	0	8.0786462
145.550635	131.088085	151.56521	102.884905	83.7951745	0	28.8523079
2.05346412	478.124111	0	286.585461	0.47493723	0	31.8282449
218.923982	0	222.479911	0	0	0	8.45397194
194.394604	0	231.517195	0	0	0	8.11748584
217.558076	0	252.164695	0	0	0	8.53917342
219.401233	0	233.373575	0	0	0	7.87150142
415.747506	0	373.071324	0	0	0	0
2.52734046	0	0	0	0	0	0
408.165484	0	403.915804	0	0	0	0
282.282868	0	321.100824	0	80.561227	0	33.4538811
298.04565	0	381.202097	0	0	0	15.8132841
259.300176	0	275.555537	0	0	0	11.1127079
285.589472	0	334.882921	0	26.468617	0	17.7108782
344.924533	0	370.957164	0	0	0	27.0410844
406.901814	0	340.75806	0	0	0	14.9861277
184.241364	319.967869	187.096656	232.641673	123.95202	0	55.10051
319.708568	0	370.133755	0	0	0	19.0732535
367.728037	0	387.759172	0	0	0	12.2613772
446.075591	0	412.728512	0	0	0	17.7108782
164.774939	265.846045	184.866589	209.377506	134.806614	0	39.7153026
382.89208	0	420.072436	0	0	0	16.348503
333.553999	88.4602713	320.404393	68.701994	82.8369679	0	37.0046127
198.957857	337.270015	209.187587	205.189955	162.03275	0	54.7069349
419.538516	0	396.57188	0	0	0	19.0732535
271.057264	0.73107662	313.463143	474.370911	313.369519	0	28.0422238
500.413411	0	427.41636	0	0	0	29.9722554
454.921283	1.34967992	487.636534	0	0	0	28.6098802
489.145685	0	535.739234	0	0	0	22.5927228
480.194687	0	514.074659	0	0	0	24.5227544
504.204422	0	543.450354	0	0	0	20.4356287
567.387933	0	497.918027	0	0	0	23.1603792
298.416946	543.179335	290.955969	125.171335	76.2274248	0	38.8441483
532.257901	0	561.369528	0	412.910424	0	111.578533
1016.87543	0	1052.09051	1146.34184	0	0	170.024431

CHZ7FC	CHQWOC	CHUWKC	CHLW4C	CHS1SC	CHGXHC	CHD0SC		
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	0	0	0	0	0	0		0
	0	0	0	0	0	0		0
	0	0	0	0	0	0		0
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	0	0	0	0	0	0		0
	0	0	0	0	0	0		0
	0	0	0	0	0.21139031	0		0
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	0	0	0	0	1.1382555	0		0

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0.56104043	0.09482557	1.68554193	0.34007231	0.4865657	0	0
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16.7341098	0	0	0	12.5208105	0	0
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52.6593216	0	2.29624552	0	6.27765156	0	0	0
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178.497171	0	0.74211214	34.851375	0	63.7641782	12.7604118
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392.813586	52.0931916	0.59356026	252.443081	0	659.375017	27.8503625
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566.675722	56.8289363	0	223.315033	0	685.51592	31.9071257
538.661415	64.2471657	0	323.038141	0	714.1515	43.1229638
586.443479	58.2860885	1.27843748	338.613556	0	692.343768	33.1834107
257.377426	97.4774115	0.96178746	150.655051	195.325508	352.746849	25.4252522
515.279552	62.6575451	2.55687496	290.066809	0	736.041994	47.222546
525.822356	59.7432407	2.55687496	353.17758	0	726.483007	54.8802561
561.40432	67.0290018	0	292.494147	0	822.072876	42.1174059
231.801919	96.1499679	1.7626941	142.238289	209.667441	349.66857	22.1222738
558.768619	71.4004584	1.27843748	342.254562	0	749.69769	43.3936909
462.896585	70.1439286	1.40504602	279.425222	68.2551924	601.523497	37.7120646
249.747316	125.02366	0.36932638	161.633695	199.656546	422.90172	16.5917053
622.025443	72.8576106	0	292.494147	0	854.846546	47.222546
506.109508	67.8790072	1.38497394	257.044908	0.77186809	631.68972	36.640016
695.825072	78.6862194	0	377.450953	0	854.846546	61.2616813
695.825072	103.457807	1.27843748	332.545213	0	863.039963	53.6039711
632.019143	83.5433935	0.42614583	365.415405	0	1030.66363	40.7347638
651.018155	88.8862849	1.27843748	385.946634	0	929.952872	49.775116
699.778624	85.9719805	0	400.510657	0	1069.24097	53.6039711
814.431619	97.6291982	1.27843748	478.185452	0	1043.29515	65.0905363
442.288459	70.4413425	0.92331596	285.942095	94.5035016	656.603118	35.8685417
698.987914	126.917958	4.98590617	487.5307	14.8198673	1304.80172	69.6851624
1666.94912	183.746894	4.98590617	1025.55002	0	2307.81256	182.508759

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39.7383345	0	0	16.9291738	68.9531295	0	0.29478245
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161.769323	0	0	85.9187393	111.385825	0	0
79.933077	0.23288177	0	33.0735209	65.8954794	0	0.41616345
155.388422	0	0	0	145.862389	0	1.17912978
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54.2037768	2.25665615	0	0	0	2.97140277	0
46.4026315	0	0	40.0597713	69.6744853	0	0.86076474
124.821209	0.77764027	0	45.006145	84.0440145	0	0.14149557
95.1443275	1.18905241	0	36.4503743	72.0391437	0	0.88434733
108.325532	0.23781048	0	40.4772728	78.8035766	0	0.33689422
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94.7741137	0	0	47.2736184	92.7062143	0	0.30759907
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111.527366	0	0	42.7684391	96.4919486	0	0.84897344
137.258819	0.45400183	0	59.7786138	79.8506171	0	0.6431617
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68.3026029	0	0	52.7922921	126.00995	0	0
120.787761	0.20808417	0	43.4657506	97.4107087	0	0.29478245

124.636391	0	0	0	105.58253	0	0.41616345
129.10286	0	0	47.6496197	105.956936	0	0.30759907
122.297608	0	0	46.5106776	104.38443	0	0.6064096
106.231778	3.47410095	0	43.8579884	83.9141137	0	0.60238152
122.297608	0.12915569	0	52.2983631	130.480537	0	0
80.105772	5.8263568	0	29.1805496	50.6540298	93.733522	152.992089
136.680887	0	0	51.7723211	102.508458	0.23680048	0.74471354
109.694106	1.3830557	0	47.0426033	97.8344808	0.10712403	134.012975
57.8774688	6.51393927	0	0	0	4.49920906	384.69109
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160.106693	0	0	63.4844018	152.757702	0	0.88434733
157.193673	0	0	73.221859	147.226297	0	0.46139861
158.366175	0.27744556	0	65.5782733	157.000972	0	0.78608652
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207.894319	2.30493236	0	135.707547	221.792433	0	0
269.889553	0.57623309	0	114.248558	231.762633	0	0.32158085
290.355194	1.15246618	0	92.5278731	255.575387	0	1.63264123
177.581775	12.4850503	0	50.8246469	102.899286	173.407016	315.711998
256.673992	2.30493236	0	96.228988	259.981859	0	0
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254.084641	4.60757808	0	104.209331	186.888348	60.1384962	86.223865
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357.7176	1.15246618	0	146.810892	314.328349	0	3.26528246
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379.397454	0.1920777	0	122.650836	307.229033	0	1.08842749
365.847545	1.15246618	0	144.343482	286.420692	0	0
303.130823	1.15246618	0	166.550172	334.891886	0	0
480.828202	0	0	151.745712	311.390701	0	1.63264123
313.366194	11.5803365	0	98.6695783	205.660204	338.239452	155.901463
401.619305	7.49103017	0	157.174014	362.799543	0	4.2448672
905.908207	5.99282413	0	388.123585	832.529478	0	1772.23206

CHUNTC**Drug class**

0 multidrug resistant
0 multidrug resistant
0 cephalosporin
0 cephalosporin
0 penam
0 multidrug resistant
0 aminoglycoside antibiotic
0 macrolide antibiotic
0 cephalosporin
0 cephalosporin
0 cephalosporin
0 multidrug resistant
0 phenicol antibiotic
0 isoniazid
0 fluoroquinolone antibiotic
0 aminoglycoside antibiotic
0 aminoglycoside antibiotic
0 multidrug resistant
0 aminoglycoside antibiotic
0 cephalosporin
0 diaminopyrimidine antibiotic
0 multidrug resistant
0 multidrug resistant
0 diaminopyrimidine antibiotic
0 fluoroquinolone antibiotic
0 glycopeptide antibiotic
0 multidrug resistant
0 multidrug resistant
0 glycopeptide antibiotic
0 multidrug resistant
0 multidrug resistant
0 aminoglycoside antibiotic
0 lincosamide antibiotic
0 multidrug resistant
0 cephalosporin
0 fluoroquinolone antibiotic
0 diaminopyrimidine antibiotic
0 cephalosporin

0 multidrug resistant
0 fluoroquinolone antibiotic
0 tetracycline antibiotic
0 diaminopyrimidine antibiotic
0 multidrug resistant
0 polyamine antibiotic
0 multidrug resistant
0 multidrug resistant
0 aminoglycoside antibiotic
0 glycopeptide antibiotic
0 monobactam
0 cephalosporin
0 multidrug resistant
0 lincosamide antibiotic
0 multidrug resistant
0 multidrug resistant
0 fluoroquinolone antibiotic
0 cephalosporin
0 multidrug resistant
0 multidrug resistant
0 peptide antibiotic
0 glycopeptide antibiotic
0 glycopeptide antibiotic
0 glycopeptide antibiotic
0 glycopeptide antibiotic
0 tetracycline antibiotic
0 multidrug resistant
0 glycopeptide antibiotic
0 fosfomicin
0 aminoglycoside antibiotic
0 glycopeptide antibiotic
0 aminoglycoside antibiotic
0 glycopeptide antibiotic
0 glycopeptide antibiotic
0 glycopeptide antibiotic
0 glycopeptide antibiotic
0 multidrug resistant
0 diaminopyrimidine antibiotic
0 macrolide antibiotic
0 peptide antibiotic
0 multidrug resistant

0 multidrug resistant
0 multidrug resistant
0 multidrug resistant
0 peptide antibiotic
0 glycopeptide antibiotic
0 cephalosporin
0 fluoroquinolone antibiotic
0 multidrug resistant
0 cephalosporin
0 macrolide antibiotic
0 multidrug resistant
0 glycopeptide antibiotic
0 peptide antibiotic
0 multidrug resistant
0 multidrug resistant
0 peptide antibiotic
0 multidrug resistant
0 fluoroquinolone antibiotic
0 multidrug resistant
0 cephalosporin
0 fluoroquinolone antibiotic
0 multidrug resistant
0 fluoroquinolone antibiotic
0 multidrug resistant

0.27556697 elfamycin antibiotic

0 multidrug resistant
0 tetracycline antibiotic
0 multidrug resistant
0 tetracycline antibiotic
0 glycopeptide antibiotic
0 lincosamide antibiotic
0 multidrug resistant
0 multidrug resistant
0 multidrug resistant
0 multidrug resistant
0 peptide antibiotic
0 glycopeptide antibiotic
0 fusidic acid
0 aminocoumarin antibiotic
0 diaminopyrimidine antibiotic
0 multidrug resistant

0 lincosamide antibiotic
0 multidrug resistant
0.90185554 multidrug resistant
0 peptide antibiotic
0 glycopeptide antibiotic
0 fluoroquinolone antibiotic
0 phenicol antibiotic
0 multidrug resistant
0 glycopeptide antibiotic
0 multidrug resistant
0 diaminopyrimidine antibiotic
0 tetracycline antibiotic
0 aminoglycoside antibiotic
0 glycopeptide antibiotic
0 tetracycline antibiotic
0 aminoglycoside antibiotic
0 aminoglycoside antibiotic
0 aminoglycoside antibiotic
0 multidrug resistant
0 cephalosporin
0 aminoglycoside antibiotic
0 carbapenem
0 cephalosporin
2.38089862 fluoroquinolone antibiotic
0 aminoglycoside antibiotic
0 cephalosporin
0 multidrug resistant
0 fluoroquinolone antibiotic
0 fosfomicin
0 multidrug resistant
0 cephalosporin
0 cephalosporin
0 diaminopyrimidine antibiotic
1.71500398 multidrug resistant
0.64002651 aminoglycoside antibiotic
0 multidrug resistant
0 multidrug resistant
0.04886902 penam
0 diaminopyrimidine antibiotic
0 multidrug resistant
0 multidrug resistant

1.87979069 penam
0 peptide antibiotic
0 nucleoside antibiotic
0 penam
0 aminoglycoside antibiotic
0 peptide antibiotic
0 aminoglycoside antibiotic
0.83179771 peptide antibiotic
0 cephalosporin
0 macrolide antibiotic
0 macrolide antibiotic
0 aminoglycoside antibiotic
0.86264443 penam
0 cephamycin
0 tetracycline antibiotic
0 aminoglycoside antibiotic
0 peptide antibiotic
0 elfamycin antibiotic
0 lincosamide antibiotic
0 phenicol antibiotic
0 multidrug resistant
51.2397098 diaminopyrimidine antibiotic
0.30701465 aminoglycoside antibiotic
0.98113954 multidrug resistant
0 elfamycin antibiotic
0 diaminopyrimidine antibiotic
0 aminoglycoside antibiotic
0 multidrug resistant
0.31776519 nucleoside antibiotic
0 multidrug resistant
0 multidrug resistant
0 multidrug resistant
0 multidrug resistant
0 multidrug resistant
0 multidrug resistant
0 multidrug resistant
0 multidrug resistant
0 multidrug resistant
0 macrolide antibiotic
0 multidrug resistant
0 multidrug resistant
0 fluoroquinolone antibiotic
0 multidrug resistant

0 aminoglycoside antibiotic
0 macrolide antibiotic
0 aminoglycoside antibiotic
0 multidrug resistant
2.20453576 multidrug resistant
0.58871125 multidrug resistant
0 multidrug resistant
0 tetracycline antibiotic
2.7556697 diaminopyrimidine antibiotic
22.4095853 carbapenem
9.4480104 tetracycline antibiotic
0 multidrug resistant
0 macrolide antibiotic
0 aminoglycoside antibiotic
0 aminoglycoside antibiotic
0 monobactam
7.44134028 multidrug resistant
0 multidrug resistant
2.191011 multidrug resistant
6.67111691 multidrug resistant
0 multidrug resistant
1.70713442 macrolide antibiotic
0 monobactam
19.8543743 glycylicycline
4.5786512 aminoglycoside antibiotic
0.45178342 diaminopyrimidine antibiotic
167.212342 sulfonamide antibiotic
164.091261 aminoglycoside antibiotic
0 macrolide antibiotic
1955.57153 fluoroquinolone antibiotic
4.13350455 cephalosporin
0.7002643 tetracycline antibiotic
29.099872 multidrug resistant
190.692343 sulfonamide antibiotic
177.717463 multidrug resistant
0 fluoroquinolone antibiotic
1.46969051 diaminopyrimidine antibiotic
41.0043652 macrolide antibiotic
54.1113323 multidrug resistant
0.73484525 fosfomycin
246.259612 aminoglycoside antibiotic

203.699104 multidrug resistant
33.0680364 multidrug resistant
148.25503 nitrofurantoin antibiotic
0.85643835 multidrug resistant
0.55113394 mupirocin
22.3281133 multidrug resistant
13.9620598 macrolide antibiotic
47.8699194 multidrug resistant
1.24005137 multidrug resistant
122.177692 multidrug resistant
0.73484525 macrolide antibiotic
121.954918 multidrug resistant
0 cephalosporin
173.359181 multidrug resistant
113.268489 multidrug resistant
121.149261 multidrug resistant
128.364105 multidrug resistant
284.857514 aminoglycoside antibiotic
152.112968 multidrug resistant
214.942237 multidrug resistant
40.1540442 cephamycin
76.3394188 multidrug resistant
154.102561 peptide antibiotic
200.675741 multidrug resistant
165.039564 multidrug resistant
166.599917 fluoroquinolone antibiotic
173.225637 multidrug resistant
65.116475 multidrug resistant
229.713838 peptide antibiotic
41.197262 multidrug resistant
382.762522 multidrug resistant
177.171942 multidrug resistant
278.701544 multidrug resistant
193.786209 multidrug resistant
188.187189 multidrug resistant
234.310658 multidrug resistant
217.190863 multidrug resistant
257.930684 multidrug resistant
183.711313 multidrug resistant
273.008134 peptide antibiotic
209.335048 multidrug resistant

251.317077 multidrug resistant
219.686781 multidrug resistant
238.089862 multidrug resistant
187.69106 isoniazid
273.141981 multidrug resistant
131.996579 multidrug resistant
266.284714 multidrug resistant
214.411822 multidrug resistant
81.8433901 multidrug resistant
270.186327 multidrug resistant
321.173304 multidrug resistant
320.130086 multidrug resistant
307.312285 aminocoumarin antibiotic
38.1554266 tetracycline antibiotic
659.325772 multidrug resistant
1.52621707 peptide antibiotic
419.633382 multidrug resistant
498.146349 multidrug resistant
598.94481 multidrug resistant
502.125415 multidrug resistant
533.805981 multidrug resistant
386.132918 multidrug resistant
275.15362 multidrug resistant
557.069229 fosfomicin
500.599197 multidrug resistant
525.01867 multidrug resistant
301.520368 multidrug resistant
550.964361 multidrug resistant
419.820288 multidrug resistant
298.494142 rifamycin antibiotic
610.486826 fosfomicin
422.444165 multidrug resistant
695.954982 peptide antibiotic
663.904423 triclosan
632.489789 multidrug resistant
636.432516 sulfonamide antibiotic
651.694687 multidrug resistant
670.009292 multidrug resistant
549.480538 fosfomicin
876.964326 fluoroquinolone antibiotic
1507.90246 elfamycin antibiotic

Antibiotic resistance genes (ARGs) identified by state and expressed

#ARG - CARD ID	Drug Class	California
gb AAA20116_1 ARO_3000180 tetA(P)	multidrug resistant(21)	8.590038664
gb AAA20117_1 ARO_3000195 tetB(P)	tetracycline antibiotic	8.605339959
gb AAA21532_1 ARO_3003559 cepA	cephalosporin	23.71275939
gb AAA22081_1 ARO_3002670 cat	multidrug resistant(1)	0
gb AAA22562_1 ARO_3002878 BclI	cephalosporin	0
gb AAA22851_1 ARO_3000179 tet(L)	multidrug resistant(21)	0.07700347
gb AAA22904_1 ARO_3000578 CcrA	carbapenem	0
gb AAA23033_1 ARO_3000190 tetO	tetracycline antibiotic	17.4328257
gb AAA24786_1 ARO_3000368 vanC	glycopeptide antibiotic	0.143525885
gb AAA25293_1 ARO_3000192 tetS	tetracycline antibiotic	0.131647995
gb AAA25655_1 ARO_3002670 cat	multidrug resistant(1)	1.210720925
gb AAA26549_1 ARO_3002549 AAC(6_-)Ic	aminoglycoside antibiotic	0.574329033
gb AAA26613_1 ARO_3002670 cat	multidrug resistant(1)	0
gb AAA26793 ARO_3003748 oleC	multidrug resistant(10)	0
gb AAA27471_1 ARO_3000205 tetX	glycylcycline	8.685202571
gb AAA65953_1 ARO_3002919 vanRA	glycopeptide antibiotic	0
gb AAA65954_1 ARO_3002931 vanSA	glycopeptide antibiotic	0
gb AAA65955_1 ARO_3002942 vanHA	glycopeptide antibiotic	0
gb AAA65956_1 ARO_3000010 vanA	glycopeptide antibiotic	0
gb AAA65957_1 ARO_3002949 vanXA	glycopeptide antibiotic	0
gb AAA65958_1 ARO_3002955 vanYA	glycopeptide antibiotic	0
gb AAA65959_1 ARO_3002962 vanZA	glycopeptide antibiotic	0
gb AAA88675_1 ARO_3000498 ErmF	macrolide antibiotic	6.453051205
gb AAA98096_1 ARO_3000595 ErmT	macrolide antibiotic	0.012711582
gb AAA98296_1 ARO_3000250 ErmC	macrolide antibiotic	3.891899941
gb AAB05623_1 ARO_3002932 vanSB	glycopeptide antibiotic	0
gb AAB49832_1 ARO_3002636 APH(2_-)-IIIa	aminoglycoside antibiotic	0
gb AAB53445_1 ARO_3002897 SAT-4	nucleoside antibiotic	0.980339485
gb AAB57788_1 ARO_3000464 Neisseria	multidrug resistant(7)	0
gb AAB63533_1 ARO_3002556 AAC(6_-)Ii	aminoglycoside antibiotic	0.067442015
gb AAC23556_1 ARO_3002660 APH(6)-Id	aminoglycoside antibiotic	25.95587634
gb AAC36915_1 ARO_3000593 ErmQ	macrolide antibiotic	0.181068602
gb AAC37034_1 ARO_3000522 ErmG	macrolide antibiotic	26.54072033
gb AAC41449_1 ARO_3001398 OXA-3	cephalosporin	0.002230861
gb AAC74149_2 ARO_3001216 mdtH	multidrug resistant(21)	45.70520071
gb AAC74603_2 ARO_3003378 Escherichia	multidrug resistant(16)	26.78237841
gb AAC75089_1 ARO_3003577 PmrE	peptide antibiotic	78.7219975
gb AAC75135_2 ARO_3000792 mdtA	multidrug resistant(14)	53.93777012

gb AAC75136_1 ARO_3000793 mdtB	multidrug resistant(14)	122.3112803
gb AAC75137_1 ARO_3000794 mdtC	multidrug resistant(14)	119.745918
gb AAC75138_1 ARO_3001330 mdtD	multidrug resistant(1)	44.78227117
gb AAC75314_1 ARO_3003578 PmrF	peptide antibiotic	34.53695292
gb AAC75315_1 ARO_3002985 arnA	peptide antibiotic	39.62235678
gb AAC75429_1 ARO_3000833 evgS	multidrug resistant(26)	52.86999886
gb AAC75733_1 ARO_3000074 emrB	multidrug resistant(21)	46.92166118
gb AAC76093_1 ARO_3002986 bacA	peptide antibiotic	147.7286031
gb AAC76296_1 ARO_3000656 acrS	multidrug resistant(17)	53.3407694
gb AAC76297_1 ARO_3000499 acrE	multidrug resistant(16)	118.4332319
gb AAC76298_1 ARO_3000502 acrF	multidrug resistant(16)	48.01657787
gb AAC76539_1 ARO_3000796 mdtF	multidrug resistant(14)	51.6981141
gb AAC76733_1 ARO_3001215 mdtL	multidrug resistant(1)	71.05183587
gb AAC77033_1 ARO_3003381 Escherichia	multidrug resistant(27)	167.6523091
gb AAC77293_1 ARO_3001214 mdtM	multidrug resistant(21)	18.0143015
gb AAC78336_1 ARO_3002826 EreA2	macrolide antibiotic	0
gb AAD01867_1 ARO_3002875 dfrE	diaminopyrimidine antibiotic	4.505223256
gb AAD01868_1 ARO_3002867 dfrF	diaminopyrimidine antibiotic	4.950239671
gb AAD12753_1 ARO_3000177 tet(J)	multidrug resistant(21)	1.171034194
gb AAD22403_1 ARO_3002970 vanTC	glycopeptide antibiotic	0.075914001
gb AAD46626_1 ARO_3002596 AAC(6_-)Ilc	aminoglycoside antibiotic	0
gb AAD51344_1 ARO_3003051 smeA	multidrug resistant(16)	0.014211477
gb AAD51345_1 ARO_3003052 smeB	multidrug resistant(16)	0.03934734
gb AAD51346_1 ARO_3003053 smeC	multidrug resistant(16)	0.014006541
gb AAD51347_1 ARO_3003067 smeS	multidrug resistant(16)	0.066747476
gb AAD51348_1 ARO_3003066 smeR	multidrug resistant(16)	0.045937945
gb AAF01499_1 ARO_3000193 tetT	tetracycline antibiotic	0.02419616
gb AAF17880_1 ARO_3002605 aadA5	aminoglycoside antibiotic	7.138915654
gb AAF61331_1 ARO_3002966 vanXYC	glycopeptide antibiotic	0.104518131
gb AAF86219_1 ARO_3000375 ErmB	macrolide antibiotic	6.873118133
gb AAF86641_1 ARO_3002922 vanRC	glycopeptide antibiotic	0.342777509
gb AAF86642_1 ARO_3002933 vanSC	glycopeptide antibiotic	0.193442563
gb AAF86691_1 ARO_3001816 ACC-2	monobactam	0
gb AAG03357_1 ARO_3000596 ErmX	macrolide antibiotic	2.749210869
gb AAK01167_1 ARO_3002819 mrsC	multidrug resistant(7)	0.015965555
gb AAK60186_1 ARO_3003014 dfrA16	diaminopyrimidine antibiotic	0.008471778
gb AAK63040_1 ARO_3002635 APH(2_-)-IIa	aminoglycoside antibiotic	0.050242829
gb AAK63041_1 ARO_3002559 AAC(6_-)Ipb	aminoglycoside antibiotic	0.057714839
gb AAL08441_1 ARO_3002670 cat	multidrug resistant(1)	1.81518144
gb AAL12234_1 ARO_3003552 fusB	fusidic acid	0.113070762
gb AAL51021_2 ARO_3002598 ANT(3_-)-II-AAC(6_-)	aminoglycoside antibiotic	0.005509422

gb AAL59753_1 ARO_3000412 sul2	sulfonamide antibiotic	25.57189234
gb AAL78275_1 ARO_3002391 OXY-1-3	monobactam	2.795989971
gb AAM09851_1 ARO_3002923 vanRD	glycopeptide antibiotic	0.011422977
gb AAN28721_1 ARO_3002871 tet37	tetracycline antibiotic	0.02955117
gb AAN62561_1 ARO_3003970 D-Ala-D-Ala	glycopeptide antibiotic	0.209896901
gb AAN82549_1 ARO_3003369 Escherichia	elfamycin antibiotic	500.4949151
gb AAO04716_1 ARO_3002865 dfrC	diaminopyrimidine antibiotic	3.814861175
gb AAO16462_1 ARO_3000167 tet(C)	multidrug resistant(21)	0.026048029
gb AAO82019_1 ARO_3002916 vanV	multidrug resistant(1)	0
gb AAP69916_1 ARO_3001780 OXA-85	cephalosporin	0
gb AAP93922_1 ARO_3000569 tet(41)	multidrug resistant(21)	0.155627613
gb AAR20595_1 ARO_3000090 BLA1	penam	0
gb AAS13767_1 ARO_3003839 Mrx	multidrug resistant(1)	18.14098288
gb AAS68233_1 ARO_3000391 norA	multidrug resistant(21)	6.054659316
gb AAT46077_1 ARO_3000300 IsaA	multidrug resistant(7)	2.52718657
gb AAU10334_1 ARO_3002628 aad(6)	aminoglycoside antibiotic	4.893924638
gb AAU95768_1 ARO_3000026 mepA	multidrug resistant(4)	0.034006311
gb AAV80464_1 ARO_3000565 tet(38)	multidrug resistant(21)	0.042062122
gb AAV97957_1 ARO_3001933 CTX-M-72	cephalosporin	1.64535874
gb AAX14802_1 ARO_3000781 adeJ	multidrug resistant(18)	0.422169263
gb AAX14803_1 ARO_3000782 adeK	multidrug resistant(18)	0.072408383
gb AAY32951_1 ARO_3002837 lnuC	lincosamide antibiotic	3.221886657
gb ABA71731_1 ARO_3002909 vanG	glycopeptide antibiotic	0.024849043
gb ABA71732_1 ARO_3003069 vanXYG	glycopeptide antibiotic	0.018261764
gb ABA71733_1 ARO_3002972 vanTG	glycopeptide antibiotic	0.034749616
gb ABD73290_1 ARO_3001920 CTX-M-59	cephalosporin	0
gb ABF66011_1 ARO_3002881 lmrC	multidrug resistant(7)	1.14299143
gb ABF66027_1 ARO_3002882 lmrD	multidrug resistant(11)	1.65267154
gb ABG77965_1 ARO_3004042 Enterobacter	multidrug resistant(16)	126.1375195
gb ABG91835_1 ARO_3002860 dfrA17	diaminopyrimidine antibiotic	5.051573945
gb ABK33456_1 ARO_3002639 APH(3_)-Ib	aminoglycoside antibiotic	40.09742025
gb ABR14060_1 ARO_3002838 lnuD	lincosamide antibiotic	0
gb ABR75897_1 ARO_3003373 Klebsiella	multidrug resistant(16)	26.79122971
gb ABR76005_1 ARO_3003380 Klebsiella	multidrug resistant(16)	27.51730676
gb ABW70410_1 ARO_3001644 OXA-113	cephalosporin	0.020383093
gb ABX54688_1 ARO_3002968 vanXYL	glycopeptide antibiotic	0.005414966
gb ACA23185_1 ARO_3000194 tetW	tetracycline antibiotic	12.21154813
gb ACC85616_1 ARO_3002804 FosA2	fosfomycin	2.34591615
gb ACG70184_1 ARO_3002788 QnrD1	fluoroquinolone antibiotic	0.004795645
gb ACI32877_1 ARO_3002859 dfrA14	diaminopyrimidine antibiotic	7.952470446
gb ACN32294_1 ARO_3000237 tolC	multidrug resistant(29)	44.14624926

gb ACR57831_1 ARO_3003022 dfrB3	diaminopyrimidine antibiotic	0.004873891
gb ACS44784_1 ARO_3002185 MOX-6	cephalosporin	0
gb ACT97371_1 ARO_3003097 CfxA6	cephamycin	42.3694675
gb ACT97415_1 ARO_3002999 CblA-1	cephalosporin	1.405309028
gb ADJ67256 ARO_3003319 Staphylococcus	peptide antibiotic	0.023662007
gb ADM92605_1 ARO_3000553 adeR	multidrug resistant(14)	0.026451689
gb ADM92606_1 ARO_3000549 adeS	multidrug resistant(14)	0.012884689
gb ADQ43421_1 ARO_3002646 APH(3_-)IIC	aminoglycoside antibiotic	0.005593096
gb ADX95999_1 ARO_3002873 FosB3	fosfomycin	0.009825548
gb AEA37904_1 ARO_3003112 IlsA	multidrug resistant(7)	0
gb AEG74319_1 ARO_3002794 QnrS5	fluoroquinolone antibiotic	0
gb AEJ33969_1 ARO_3000410 sul1	sulfonamide antibiotic	16.95291626
gb AEL31272_1 ARO_3002756 QnrB41	fluoroquinolone antibiotic	45.82379083
gb AET10444_1 ARO_3004032 tetA(46)	multidrug resistant(10)	0.260343973
gb AET10445_1 ARO_3004033 tetB(46)	multidrug resistant(10)	0.278152923
gb AET15272_1 ARO_3003197 aadA25	aminoglycoside antibiotic	2.503710909
gb AET35493_1 ARO_3001777 OXA-347	cephalosporin	0.013660472
gb AEV91550_1 ARO_3001710 OXA-211	cephalosporin	0.003640412
gb AFC91828_1 ARO_3003041 Streptococcus	cephalosporin	0.024218202
gb AFC91898_1 ARO_3003043 Streptococcus	cephalosporin	0.042552492
gb AFH35853_1 ARO_3001328 mdfA	multidrug resistant(21)	26.0210456
gb AFK13827_1 ARO_3000825 robA	multidrug resistant(1)	6.889784208
gb AFK13828_1 ARO_3000823 ramA	multidrug resistant(18)	9.323186617
gb AFK31666_1 ARO_3000567 tet(40)	multidrug resistant(21)	9.777607005
gb AFK58561_1 ARO_3003079 Enterococcus	peptide antibiotic	0.036844098
gb AFK58562_1 ARO_3003078 Enterococcus	peptide antibiotic	0.042088085
gb AFU35063_1 ARO_3002630 ANT(9)-Ia	aminoglycoside antibiotic	0.588691362
gb AFU35065_1 ARO_3003206 IlsA	multidrug resistant(7)	0
gb AGC51118_1 ARO_3000617 mecA	penam	0.916907642
gb AGI42804_1 ARO_3002836 InuB	lincosamide antibiotic	0
gb AGN33258_1 ARO_3002829 vgaA	multidrug resistant(7)	0.398726577
gb AGV10830_1 ARO_3002647 APH(3_-)IIIa	aminoglycoside antibiotic	1.088891141
gb AGV28567_1 ARO_3000559 adeN	multidrug resistant(18)	0.077139862
gb AHA80960_1 ARO_3001388 TEM-211	multidrug resistant(4)	62.26326879
gb AHB39758_1 ARO_3003013 dfrA15	diaminopyrimidine antibiotic	0
gb AHH83938_1 ARO_3000013 vanB	glycopeptide antibiotic	0.001719259
gb AHV80711_1 ARO_3002863 dfrA8	diaminopyrimidine antibiotic	0.020883427
gb AHW42429_1 ARO_3002858 dfrA12	diaminopyrimidine antibiotic	0.860594016
gb AIA58911_1 ARO_3001396 OXA-1	cephalosporin	1.201882391
gb AIJ27543_1 ARO_3002629 ANT(6)-Ib	aminoglycoside antibiotic	6.464651481
gb AIL15701 ARO_3003775 Escherichia	fosfomycin	136.5410401

gb AIN56719_1 ARO_3002496 OXA-418	cephalosporin	0.001899345
gb AIT76100_1 ARO_3002152 DHA-21	cephalosporin	0.018261299
gb AIT76113_1 ARO_3002174 MIR-9	monobactam	6.931575283
gb AJD73064_1 ARO_3001301 RImA(II)	macrolide antibiotic	0.017379533
gb AJE60855_1 ARO_3003209 FosA5	fosfomycin	15.52518171
gb AJF82049_1 ARO_3003573 LpxA	peptide antibiotic	0.113944373
gb AJF83452_1 ARO_3003574 LpxC	peptide antibiotic	0.127654076
gb AKN19287_1 ARO_3002578 AAC(6_-)Ib7	aminoglycoside antibiotic	8.85415517
gb ALH22601_1 ARO_3000620 adeL	multidrug resistant(14)	0.092364508
gb ALL09868 ARO_3003092 Enterococcus	peptide antibiotic	0.016975201
gb AMP35312_1 ARO_3002831 vgaC	multidrug resistant(7)	24.22324256
gb ANK04027_1 ARO_3003838 gadW	multidrug resistant(14)	19.17507248
gb ANP63073_1 ARO_3003741 mphD	macrolide antibiotic	0
gb ANZ79241_1 ARO_3004036 tetB(60)	multidrug resistant(10)	0.00043051
gb BAA03776_1 ARO_3000316 mphA	macrolide antibiotic	21.57168764
gb BAA11236_1 ARO_3000206 emrK	multidrug resistant(21)	41.24018073
gb BAA11237_1 ARO_3000254 emrY	multidrug resistant(21)	57.27777179
gb BAA15934_1 ARO_3000829 baeS	multidrug resistant(14)	88.60721808
gb BAA16547_1 ARO_3000027 emrA	multidrug resistant(21)	115.5356566
gb BAA23130_1 ARO_3002493 SRT-1	cephalosporin	0.811631087
gb BAA37152_1 ARO_3003702 Pseudomonas	fluoroquinolone antibiotic	0
gb BAC11911_1 ARO_3003551 emeA	multidrug resistant(4)	1.918944196
gb BAD89844_2 ARO_3000753 abeM	multidrug resistant(5)	0.071985088
gb BAD95494_1 ARO_3002895 SAT-1	nucleoside antibiotic	0.027260579
gb BAE06005_1 ARO_3003704 mexM	multidrug resistant(14)	0.001006686
gb BAE15963_1 ARO_3002868 dfrG	diaminopyrimidine antibiotic	0.14681537
gb BAE77595_1 ARO_3003303 Escherichia	aminocoumarin antibiotic	72.65043193
gb BAE77781_1 ARO_3000795 mdtE	multidrug resistant(14)	65.88324704
gb BAE77933_1 ARO_3000518 CRP	multidrug resistant(14)	122.6879656
gb BAE78082_1 ARO_3003550 mdtP	multidrug resistant(21)	113.4816095
gb BAE78083_1 ARO_3003549 mdtO	multidrug resistant(21)	50.11388027
gb BAE78084_1 ARO_3003548 mdtN	multidrug resistant(21)	105.7650589
gb BAE78116_1 ARO_3003576 PmrC	peptide antibiotic	52.01504559
gb BAG75524_1 ARO_3003954 efmA	multidrug resistant(21)	0.035420357
gb BAJ09383_1 ARO_3003046 qacA	multidrug resistant(21)	2.939518484
gb BAJ17544_1 ARO_3002069 CMY-59	cephamycin	3.389877779
gb BAO21229_1 ARO_3003199 AAC(6_-)Iak	aminoglycoside antibiotic	0
gb CAA37052_1 ARO_3002995 ROB-1	cephalosporin	0
gb CAA38525_1 ARO_3002535 AAC(3)-IIc	aminoglycoside antibiotic	19.250833
gb CAA39038_1 ARO_3002553 AAC(6_-)If	aminoglycoside antibiotic	0.002833417
gb CAA52904_1 ARO_3002688 catS	phenicol antibiotic	4.874989328

gb CAA63498_1 ARO_3002670 cat	multidrug resistant(1)	0
gb CAA67349_1 ARO_3003359 Streptomyces	elfamycin antibiotic	0.288009745
gb CAA77936_1 ARO_3004039 Escherichia	multidrug resistant(5)	37.55198697
gb CAA79727_1 ARO_3000191 tetQ	tetracycline antibiotic	75.6797773
gb CAC14594_1 ARO_3003055 smeD	multidrug resistant(14)	0.025840141
gb CAC14595_1 ARO_3003056 smeE	multidrug resistant(14)	0
gb CAC14596_1 ARO_3003057 smeF	multidrug resistant(14)	0.011004604
gb CAC19929_1 ARO_3002854 dfrA1	diaminopyrimidine antibiotic	0.032070052
gb CAC41008_1 ARO_3004041 Klebsiella	multidrug resistant(16)	14.582385
gb CAC41371_1 ARO_3000196 tet32	tetracycline antibiotic	1.479454498
gb CAC81324_1 ARO_3003015 dfrA19	diaminopyrimidine antibiotic	0
gb CAD09823_1 ARO_3003479 tetR	multidrug resistant(21)	3.075533018
gb CAE00499_1 ARO_3003835 cdeA	multidrug resistant(4)	0.16224439
gb CAE50925_1 ARO_3002589 AAC(6_-)lid	aminoglycoside antibiotic	0
gb CAE50926_1 ARO_3002590 AAC(6_-)lih	aminoglycoside antibiotic	0
gb CAE51638_1 ARO_3002641 APH(3_-)la	aminoglycoside antibiotic	0.729902025
gb CAE51745_1 ARO_3000168 tet(D)	multidrug resistant(21)	2.182898732
gb CAJ67339_1 ARO_3000186 tetM	tetracycline antibiotic	0.069301122
gb CAL44992_1 ARO_3002835 lnuA	lincosamide antibiotic	0.249088761
gb CAP12359_2 ARO_3002452 OKP-B-19	cephalosporin	5.265988063
gb CAP69659_1 ARO_3003017 dfrA21	diaminopyrimidine antibiotic	0
gb CAQ03505_1 ARO_3001338 SHV-100	carbapenem	11.65101922
gb CBH51823_1 ARO_3000556 tet44	tetracycline antibiotic	0.00318341
gb CBH51824_1 ARO_3002629 ANT(6)-Ib	aminoglycoside antibiotic	0.00900385
gb CCP46182_1 ARO_3003035 mfpA	fluoroquinolone antibiotic	0
gb CCP46624_1 ARO_3003326 Mycobacterium_gb	polyamine antibiotic	0.00228594
gb CDJ72593 ARO_3003889 Escherichia	fosfomycin	131.6251745
gb CDJ73208 ARO_3003890 Escherichia	fosfomycin	188.5144888
gb CDO13981_1 ARO_3003585 Klebsiella	multidrug resistant(10)	41.94099765
gb CDO61513_1 ARO_3003948 efrA	multidrug resistant(10)	2.006737212
gb CDO61516_1 ARO_3003949 efrB	multidrug resistant(10)	1.118470585
gb EEX02086 ARO_3004089 ANT(3_-)-Ila	aminoglycoside antibiotic	0.047767604
gb EFF04178_1 ARO_3000309 emrD	multidrug resistant(21)	176.5883133
gb NP_216424_1 ARO_3003392 Mycobacterium	isoniazid	0
gb NP_249397_1 ARO_3002679 catB7	phenicol antibiotic	0
gb NP_252408_1 ARO_3004056 ArmR	multidrug resistant(19)	0.004497666
gb NP_252410_1 ARO_3000818 nalC	multidrug resistant(19)	0.000399539
gb NP_309766_1 ARO_3000676 H-NS	multidrug resistant(27)	31.64291014
gb NP_311275_1 ARO_3000832 evgA	multidrug resistant(26)	33.43355101
gb NP_312864_1 ARO_3000830 cpxA	multidrug resistant(14)	71.01327544
gb NP_312937_1 ARO_3003288 Escherichia	rifamycin antibiotic	134.764091

gb NP_358469_1 ARO_3000822 pmrA	multidrug resistant(21)	0.13633544
gb NP_358969_1 ARO_3000025 patB	multidrug resistant(10)	0.047333522
gb NP_359110_1 ARO_3003042 Streptococcus	cephalosporin	0.021337667
gb NP_373280_1 ARO_3000124 mecl	penam	1.136749341
gb NP_414618_4 ARO_3003843 leuO	multidrug resistant(1)	54.25195543
gb NP_414995_1 ARO_3000216 acrB	multidrug resistant(16)	113.1141202
gb NP_414997_1 ARO_3003807 Escherichia	multidrug resistant(16)	43.09473979
gb NP_415222_1 ARO_3003841 kdpE	aminoglycoside antibiotic	38.86526202
gb NP_415372_1 ARO_3003751 Escherichia	nitrofurantoin antibiotic	24.68233236
gb NP_415434_1 ARO_3003950 msbA	multidrug resistant(10)	109.3527151
gb NP_415611_1 ARO_3004049 antibiotic	triclosan	165.7986183
gb NP_415632_1 ARO_3003844 mfd	fluoroquinolone antibiotic	40.47704823
gb NP_415804_1 ARO_3004045 antibiotic	isoniazid	52.19946181
gb NP_416292_1 ARO_3002818 msrB	multidrug resistant(7)	29.68222682
gb NP_416715_1 ARO_3003952 YojI	multidrug resistant(10)	40.19035949
gb NP_417169_1 ARO_3000516 emrR	multidrug resistant(21)	124.9654682
gb NP_417544_5 ARO_3000024 patA	multidrug resistant(10)	60.35682794
gb NP_417969_1 ARO_3003834 gadE	multidrug resistant(1)	28.80497724
gb NP_418486_1 ARO_3003511 Escherichia	multidrug resistant(29)	63.05148168
gb NP_460903_1 ARO_3000826 sdhA	multidrug resistant(16)	59.00958035
gb NP_461214_1 ARO_3003926 Salmonella	multidrug resistant(1)	30.02804086
gb NP_462089_1 ARO_3003939 Salmonella	fluoroquinolone antibiotic	0.5686673
gb NP_462096_1 ARO_3003317 Salmonella	fluoroquinolone antibiotic	232.012225
gb NP_863643_1 ARO_3002597 AAC(6)-Ie-APH(2)	aminoglycoside antibiotic	1.427768915
gb NP_899170_1 ARO_3000599 Erm(33)	macrolide antibiotic	29.28426152
gb Q0SSM7 ARO_3003773 Clostridium	peptide antibiotic	1.745490367
gb Q8DWT2 ARO_3003774 Streptococcus	peptide antibiotic	0.015467406
gb WP_001025093 ARO_3003323 Staphylococcus	peptide antibiotic	0.050583142
gb WP_002333496_1 ARO_3004085 InuG	lincosamide antibiotic	0
gb WP_002530866_1 ARO_3003974 Propionibacterium	fluoroquinolone antibiotic	0.04056415
gb WP_004746565_1 ARO_3003848 ADC-2	cephalosporin	0.043117667
gb WP_009887863_1 ARO_3003357 Clostridium	elfamycin antibiotic	1.827333922
gb WP_014065640_1 ARO_3003924 Haemophilus	fluoroquinolone antibiotic	4.712936181
gb WP_014550864_1 ARO_3003953 hmrM	multidrug resistant(4)	0.209234571
gb WP_041918279_1 ARO_3003925 Haemophilus	fluoroquinolone antibiotic	12.39889083
gb YP_001086469_1 ARO_3003995 Clostridium	fluoroquinolone antibiotic	0.507815846
gb YP_001245420_1 ARO_3000215 mecR1	penam	0.628941253
gb YP_001315192_1 ARO_3000347 ErmA	macrolide antibiotic	0.052209201
gb YP_001332362_1 ARO_3000838 arlR	multidrug resistant(21)	0.019959471
gb YP_001440920_1 ARO_3000746 mepR	multidrug resistant(4)	0.026187794
gb YP_001569085_1 ARO_3000621 PC1	penam	0.743833559

gb YP_001693237_1 ARO_3003922 oqxA	multidrug resistant(15)	34.98250305
gb YP_001693238 ARO_3003923 oqxB	multidrug resistant(15)	60.12887531
gb YP_001706893_1 ARO_3000778 adeG	multidrug resistant(14)	0.104815546
gb YP_001706894_1 ARO_3000777 adeF	multidrug resistant(14)	0.058974023
gb YP_001713101_1 ARO_3000779 adeH	multidrug resistant(14)	0.054640075
gb YP_002002225_1 ARO_3000817 mtrR	multidrug resistant(26)	0.030618168
gb YP_002320475_1 ARO_3000780 adeI	multidrug resistant(18)	0.040434056
gb YP_002325052_1 ARO_3000768 abeS	multidrug resistant(5)	0.077047956
gb YP_002325610_1 ARO_3000774 adeA	multidrug resistant(14)	0.004193873
gb YP_002325611_1 ARO_3000775 adeB	multidrug resistant(14)	0.037083019
gb YP_002743273_1 ARO_3000616 mel	multidrug resistant(7)	5.905746621
gb YP_003281576_1 ARO_3000815 mgrA	multidrug resistant(22)	1.511072735
gb YP_003283625_1 ARO_3000178 tet(K)	multidrug resistant(21)	2.312410354
gb YP_003971446 ARO_3003730 Bifidobacteria	mupirocin	21.97059214
gb YP_005226137_1 ARO_3003966 Klebsiella	multidrug resistant(6)	44.03075645
gb YP_005228001_1 ARO_3003968 Klebsiella	multidrug resistant(6)	8.152216337
gb YP_006374661_1 ARO_3003438 Enterococcus	elfamycin antibiotic	0.052308469
gb YP_006938491_1 ARO_3003905 ANT(4_)-Ib	aminoglycoside antibiotic	1.387437989
gb YP_007503840_1 ARO_3000165 tet(A)	multidrug resistant(21)	1.960832692
gb YP_007503908_1 ARO_3003306 Morganella	fluoroquinolone antibiotic	0.010333474
gb YP_008997281_1 ARO_3002626 ANT(6)-Ia	aminoglycoside antibiotic	0.478328571
gb YP_008997285_1 ARO_3000615 mefA	multidrug resistant(1)	3.278424053
gb YP_009077553_1 ARO_3002680 catB8	phenicol antibiotic	1.388702131
gb YP_039482_1 ARO_3003301 Staphylococcus	aminocoumarin antibiotic	0.096614218
gb YP_039483_1 ARO_3003296 Staphylococcus	fluoroquinolone antibiotic	0.009161659
gb YP_039996_1 ARO_3003285 Staphylococcus_gb	multidrug resistant(1)	0.006385098
gb YP_039997_1 ARO_3003291 Staphylococcus	peptide antibiotic	0.080537076
gb YP_040771_1 ARO_3003315 Staphylococcus	fluoroquinolone antibiotic	0.027524333
gb YP_186749_1 ARO_3000489 sav1866	multidrug resistant(10)	0.035044245
gb YP_207769_1 ARO_3003928 Neisseria	fluoroquinolone antibiotic	0.026738784
gb YP_208330_1 ARO_3003929 Neisseria	fluoroquinolone antibiotic	0.006015631
gb YP_208874_1 ARO_3003930 rpsJ	tetracycline antibiotic	0.076937844
gb YP_489201_1 ARO_3003390 Escherichia	multidrug resistant(6)	30.02017444
gb YP_489321_1 ARO_3001329 mdtG	multidrug resistant(21)	159.630805
gb YP_489794_1 ARO_3000263 marA	multidrug resistant(18)	103.6715324
gb YP_490321_1 ARO_3000828 baeR	multidrug resistant(14)	38.40982504
gb YP_490697_1 ARO_3000491 acrD	multidrug resistant(14)	170.1062767
gb YP_491362_1 ARO_3003386 Escherichia	sulfonamide antibiotic	153.969995
gb YP_491919_1 ARO_3000508 gadX	multidrug resistant(14)	20.9743452
gb YP_499945_1 ARO_3000839 arlS	multidrug resistant(21)	0.003767185
gb YP_500802_1 ARO_3003074 Staphylococcus	peptide antibiotic	0.054598182

I in mean RPKM

Georgia	Oregon	Pennsylvania	South Carolina
9.2410617	3.512471834	0.961423514	7.021205096
7.7863029	0.358255531	5.595065709	6.255605131
23.4687037	23.26078837	24.37275788	33.99257829
0	0	0	0.005914887
0.00229239	0	0	0
8.30946086	0	0.264529465	3.210080393
0.02393384	9.147727889	0	0.002043733
2.62159288	19.38232091	18.03555136	18.35722532
0	0.078149486	0	0.446528249
0.15790394	0.376015615	0	0.239210263
0	0	0.017320382	2.026950174
0.96311803	0	0.958564283	0.001542799
0	0	0	0.012303963
0.00587493	0.007665206	0	0.001574257
10.8128658	0.489573138	39.27660862	5.40626762
0	0	0	0.155534729
0	0	0	0.153704909
0	0	0	0.151147852
0	0	0	0.120971456
0	0	0	0.088361759
0	0	0	0.146588433
0	0	0	0.097776259
22.8121565	94.58328009	40.24247393	18.35523393
10.9868575	0	0	3.724591195
4.27439686	0.458908934	0.066705079	4.335045971
0	0	0.035118806	0
0	0	0	0.003628622
6.57346775	0.015203791	0.118551113	0.716730207
0.00656634	0	0	0
7.08146666	0.142722805	0	0.534573009
11.2644054	3.638671345	0.533227379	6.14126193
3.95573314	0.039803789	0.169537005	0.858230471
9.5001193	44.52424704	5.324209074	15.42201546
0	0	0	0
50.5934994	37.11836086	32.07871494	48.4493564
27.8224643	19.58858561	17.57750068	28.89486182
102.563752	89.92280665	38.53930114	84.2237985
50.1088461	28.09964508	35.37713854	50.74248881

132.823216	91.81858437	81.00132674	131.6336501
132.276033	96.07006123	88.29233992	128.8961071
48.6187867	39.14445164	34.82050406	50.76815645
38.7658499	29.56096676	26.91001273	41.70277641
44.6261429	36.45774157	24.91474294	43.44171708
58.5677779	40.30897933	36.95497569	55.44047579
53.9553821	36.53539635	34.67340339	51.28521263
152.768422	112.3431869	108.0914383	146.4716048
57.7391892	40.32709126	38.95990414	54.977276
131.759093	92.60102316	98.87676605	126.4505775
50.9867551	35.6107823	36.09597539	48.37376099
55.4309871	39.93255351	34.4290002	55.41092675
75.6267812	50.45371833	52.64885956	72.82711561
155.090223	74.64634069	80.42839698	129.5740094
15.591378	9.592916698	18.80791729	18.34550742
4.59207272	0	0	0
15.7930662	34.81415168	0.165348859	23.95036251
16.2221825	7.167708852	6.839317527	11.0907011
0	0	0	1.393569927
0	0.087148949	0	0.235648657
4.1303967	0	0	0
0	0	0	0
0.03976543	0	0	0
0	0	0	0.000775162
0	0	0	0
0.02489993	0	0	0
0.49945678	0	0	0
14.5522711	0	0.050433225	2.883714197
0	0.052473297	0	0.343100493
15.7413794	9.806773482	10.88921072	10.22387349
0	0.267049278	0	0.938163041
0	0.323696095	0	0.565280685
0	0	0.17208243	0
6.66258629	10.66496078	7.744071854	9.354288744
3.01456293	0.093381822	0	0.197105383
0	0	0	0
0	0.072029136	0.030399331	1.238937817
0	0.032927605	0.038411558	1.720336282
4.20284686	2.131551928	4.331577714	4.222003756
0.18638322	0	0.032269122	0.361845981
0	0	0	0

17.9495091	5.108578783	0.652375544	4.778243221
13.0270361	0.596428923	0.492210742	14.82809561
0	0	0	0.946586425
0	0	0	0
0.12658998	0.210216351	0	0.326916066
433.99121	277.8490314	319.530457	473.0330007
11.6349988	3.185063966	0.992893056	3.600223276
0	0	0	0
0	0	0.015600457	0
0.46460951	0	0	0
0.28077667	0	0.475690669	0
0.00146181	0	0	0
12.9860238	0	0.118261229	2.023006168
18.1992736	3.973465994	1.929120503	5.733160353
8.08934368	24.77327252	0	15.27965617
26.4661809	0	0.508709397	2.898408079
0.37495736	0.010933405	0.170814555	0.096445936
0.30485546	0.033805044	0.14124007	0.09365017
0	0	0.014628669	0.514449719
1.09064556	0	0.119059435	0.001732541
0.35527771	0	0.028890984	0.00344194
2.99172168	0.247193901	0.138250984	1.361814758
0	0	0	0.060105495
0	0	0.007697863	0.080848992
0	0	0	0.114750933
0.03903597	0	0	0
0.00498692	0.088577183	31.32183544	0.083062658
0.00098889	0.037176328	50.20338154	0.160947178
134.417766	65.41988221	67.24495047	121.776026
2.7229404	1.037451288	0.031811726	0.806415219
20.8419348	6.250605418	1.100322783	10.14208622
0.04616553	0	0	0
27.5983306	9.348005516	8.119504673	22.23319161
30.9967777	13.46642146	10.95315397	20.72657041
0	0	0	0
0.00298919	0.014206578	0	0
2.00203958	7.314455194	4.097570439	6.481244408
0.38385567	0.260288939	0.040355518	0.131469602
0	2.223039068	0.006061603	0.09531598
2.01526071	0	1.418956853	0.386575094
49.2905518	34.88348717	30.15939933	46.64274863

0.00141244	0	0	0.003185088
0	0	0	0.003897903
21.349983	11.73022592	83.10047172	36.75793612
0.11291939	1.514492807	2.748257914	2.601719701
0.22085015	0	0.012882819	0.030110022
0.23712121	0	0	0
0	0	0	0
0	0	0	0
0.11344015	0	0	0
0.30400695	0.17401541	0	0.274984561
0.37867544	0	0	0.080504334
15.0474772	3.13838893	1.150091387	7.161073302
4.11365584	0.135699698	11.13036292	0.027660458
6.65953899	0.168463427	0.137947747	2.211292445
4.63085969	0.159764094	0.108772592	1.673140704
5.02660965	0	1.253487314	8.220884844
0	6.105674985	1.895179284	0.305146372
0	0	0	0
0	0	0	0
0.02998799	0	0	0.004689258
29.0965113	19.37313266	18.12979666	27.57659482
14.8016108	0.552968934	0.101677059	3.630824725
5.91679197	0.328907475	3.664461768	2.508934989
0.73311603	6.239711172	1.579213221	2.447825778
3.83206015	0.138497647	0	0.233675778
5.34667875	0.120753884	0	0.338428916
0	0	0	0.988968651
0	0	0	1.114539896
3.11867821	0.484596854	0.020350702	1.279807438
0	0	0	0.671610061
1.94044439	0.557286382	0.5616092	1.101732828
5.4709145	0.035678193	0.357204494	0.612279302
0	0	0	0
24.4492589	7.416599728	27.20255132	34.00781701
0.01853675	0	0	0
0	0	0.021252797	0.032335683
0	0	0	0
0	0	0.065117156	0.087210581
0.87668429	0	0.073143343	0
2.982462	3.225179567	0.802156851	7.031371693
122.229521	82.77031362	89.76943444	119.5448488

0	0	0.00672592	0
2.17532794	0.073511701	0	0.002207059
10.1207237	0.980173258	7.510700281	6.082472434
0.09283381	0	0.023898387	0.054567592
22.830265	18.44849663	11.39623421	13.51360846
0	0	0	0
0.57198572	0	0.171035583	0.009435242
0	0	0.438860057	0
0.40699909	0	0.12891346	0.007376598
3.59106352	0.047574268	0	0.184617179
26.0869413	24.47613985	16.337924	19.35310106
29.9130578	32.82845811	7.03977669	28.20824505
0.00222049	0	0	0
0	0	0	0.001231669
13.3352139	0	0.261635295	2.349975714
42.8304763	27.79928124	26.97492803	43.43402565
61.6612995	39.11513646	43.51753884	60.08791742
84.7853512	16.74494402	85.19429516	80.39032329
123.014809	88.71454773	82.50291172	122.3759781
1.89688199	0	0.599447591	0
0.01142933	0	0	0.001505195
7.32172237	14.76812555	0.008959784	10.02411529
0.58225419	0	0.227071311	0.002140297
1.15530301	0	0	2.78101248
0	0	0	0
0.35332169	0.041255385	0	0.700500562
77.8976947	52.36026392	56.52544328	73.8950386
68.0914168	50.54786562	45.55137436	70.81568575
151.858242	60.16876094	65.84780959	118.8251843
111.454131	67.17731678	86.0863715	107.6084375
44.4111164	32.2350282	33.15807393	44.65349604
109.786417	77.79595678	76.81932774	108.2496263
51.3314283	37.60182984	42.4249669	53.73987412
3.16245456	0.060399933	0	0.280842885
8.19832246	3.74250127	0.189088258	4.846955497
1.96904116	2.065604028	0.221565717	0.594782927
0.0014912	0	0	0
0	0	0	0.00093599
8.11838346	0	0.119873812	1.334764562
0	0.052600615	0	0
1.42164397	0	8.837970983	0

0	0	0	0.156492731
0.02278529	0.318661376	0.259936297	0.190249943
47.3783553	45.10566851	23.02508923	42.02576101
51.748375	163.6237301	140.4349547	79.92463563
0.03141253	0	0	0.016474419
0.02982407	0	0	0.004731909
0.00655674	0	0	0.01774466
1.15144567	0	0	2.254014178
18.2081683	2.374014515	6.606221487	10.31978429
0.89564684	4.686540988	2.43509782	2.08640271
2.56238973	0	0	0
6.87320515	0	8.96297083	3.476378544
0.06366889	0.016386337	0	0.43943913
1.15430323	0	0	0
0.03648911	0	0	0
0.62054277	0.2909917	0.234155685	2.786980853
6.57037031	0	0.125627682	2.893199345
0.90199646	0	0	0.200339449
0.03982421	0.168652458	0	0.329741588
19.7570256	12.6191293	1.326200861	10.41269388
0	0	0.700750825	0
5.92698108	1.727862869	4.877063278	4.873058812
0	0	0.007295736	0.099299661
0	0	0	0.116216543
0	0	0	0.003360257
0.01589422	0	0	0.008453703
143.228577	100.9562536	94.56966249	137.8897742
218.603524	109.4446693	109.9628294	180.7296951
46.5795309	18.2564574	16.31028809	45.42158101
8.00903222	16.92057325	0.054185363	4.738432434
4.13613804	9.386297807	0.034363857	2.171279278
0.09308989	0	0.068864739	0
181.168539	119.0613773	127.9532033	174.0127926
0	0	0.005735059	0.001965216
0.00296001	0	0	0
0	0	0	0
0	0	0	0
34.4008098	24.28946606	22.27921526	33.95933852
37.7727709	25.03917238	22.98859382	35.5774975
68.2785909	50.16532668	34.57045233	75.40335435
140.867275	65.83371401	77.09364864	133.3095134

0.33005294	0.038293037	0.35619616	0.186036453
0.10746098	0.017083843	0.033602258	0.060862135
0.13625807	0.033190905	0.201293714	0.10828638
2.5210779	0.126370606	0.034352712	0.677781829
56.1570946	39.15247862	40.10523542	55.89228601
128.41806	96.40110648	85.60683139	121.8170617
47.5859565	33.17371053	31.71919628	45.47207665
37.921919	0.896026331	34.19266377	30.28035993
23.8901287	12.05386411	14.38499878	22.69361937
113.406274	76.50006942	84.88449547	114.7304907
153.450274	115.6822024	101.8998213	153.5985624
43.5910219	32.26769886	30.13692735	37.79718539
60.5087037	35.78615896	34.63353426	59.16418473
32.8456743	23.35775962	20.67337206	31.51457077
42.4122893	17.46467063	23.31740845	38.2181328
135.661686	83.05168723	82.69493341	129.2735568
62.959734	46.38977017	42.145242	60.63481008
30.6867686	22.34105998	22.21016689	31.17924695
66.8864658	37.08783252	34.63547589	61.74863309
67.9618548	31.55927718	29.88398639	58.38757429
21.4550668	0.45758097	16.82691835	20.22907523
0.66656116	0.316004237	0.579269034	0.543659285
231.288927	133.9787425	147.4501629	207.5915402
0.66621033	0	0	1.202931113
30.879297	4.879399058	0.468066145	30.51548855
1.91085523	1.415868913	0.226817006	1.140344108
0.142342	0	0	0.032592441
0.29240884	0	0.13085524	0.093093767
0	0	0	0.011352748
0.22040916	0.017791173	0.166718834	0.488101399
0.28202539	0	0.200207558	0.001506558
1.25738798	0.21446294	0	4.941017272
8.30880123	0.025780061	0.16084986	1.677073306
0.97141231	0	0	0.746058112
26.7517633	0	0.681850811	9.890146706
0.24181707	0	0	1.413099062
2.06555523	0.235399756	0.010375851	0.799953914
0.06428387	0.391702175	0.046648152	0.186041277
0.28121186	0	0.140746276	0.097686059
0.15399131	0.023788823	0.072733994	0.049922355
1.8021709	0.25182307	0.475489627	1.21245173

50.5366667	26.42678621	16.41629505	27.53273019
82.9893819	31.21588919	24.40165367	66.65266769
0.8248535	0	0.072798189	0
0.58222073	0	0.117987805	0.002972635
0.22683416	0	0	0
0	0	0	0
0.54559482	0	0.05005363	0
0.53636866	0	0.064050368	0.001744808
0.10555639	0	0	0
0.39097192	0	0.0864021	0
37.9117554	1.251684993	1.881515019	22.57446146
4.72893145	0.989921125	0.572067704	1.345293273
1.10898258	0.185450285	0	0.14185373
16.076464	25.68510327	56.76257641	21.84777155
54.1060283	26.19402698	18.86404002	32.43636065
2.10640447	4.228305798	6.939794261	7.469127921
5.6709981	0.095148537	0	0.490736305
2.19072449	5.457885968	0.105333161	1.025252843
5.45715012	0	6.279028053	2.742686796
0	0.203508988	0	0.013620708
0.06714412	0	0	1.024774649
0.5335402	0.511013722	3.344523345	5.004616223
0	0	0.066493948	0.004042189
0.42200335	0.051629967	0.174473654	0.097220926
0.38008344	0	0.17177092	0.061260033
0.24979097	0	0.078728338	0.084562802
0.44277288	0	0.110095778	0.097228129
0.23259115	0	0.101630562	0.050101368
0.29212477	0.036475794	0.074358221	0.11610287
0	0	0	0
0.0041331	0	0	0
0.72337426	0	0	0.506963065
26.7044699	16.09656139	22.28436858	29.04600183
164.856749	118.3277785	109.6424143	159.9700838
113.685923	66.44234013	70.84961485	106.1263002
42.1973782	27.40906477	26.89666225	40.33704103
185.953082	138.8284827	121.1194777	175.2721762
169.200616	122.4688434	115.2833061	165.9223894
13.3274303	5.625999827	12.85058468	12.50765568
0.3774537	0.023829216	0.098764216	0.107644701
0.29497011	0	0.117247118	0.060127749

Adonis analysis of resitome composition

ARG:

	R2 (effect size)	<i>p</i> -value
Age	0.03	0.001
Diet	0.01	0.185
Ethnicity	0.01	0.62
Sex	0.006	0.77
Site	0.06	0.001
State	0.04	0.001

Drug class:

	R2 (effect size)	<i>P</i> -value
Age	0.01	0.025
Diet	0.008	0.8
Ethnicity	0.01	0.55
Sex	0.007	0.6
Site	0.04	0.01
State	0.03	0.02