

Bacterioplankton response to salinity (aka 2015 CSI Dispersal Experiment)

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Project Description: Analysis of salinity and dispersal of saline aquatic communities on bacterial community structure and function.

Setting up working directory, packages

Loading data file

manipulate data files for statistical analyses and graphing

Venn Diagram

```
require("VennDiagram")

## Loading required package: VennDiagram
## Warning: package 'VennDiagram' was built under R version 3.2.5
## Loading required package: futile.logger
## Warning: package 'futile.logger' was built under R version 3.2.5
##
## Attaching package: 'VennDiagram'
## The following object is masked from 'package:ape':
##
##      rotate
require("Hmisc")
library("gridExtra")

## Warning: package 'gridExtra' was built under R version 3.2.5
##
## Attaching package: 'gridExtra'
## The following object is masked from 'package:Hmisc':
##
##      combine
## The following object is masked from 'package:dplyr':
##
##      combine
dim(design_final)
```

```
## [1] 126 8
dim(csi_pres_abs)

## [1] 126 13435
#head(design_final)
#head(csi_pres_abs)

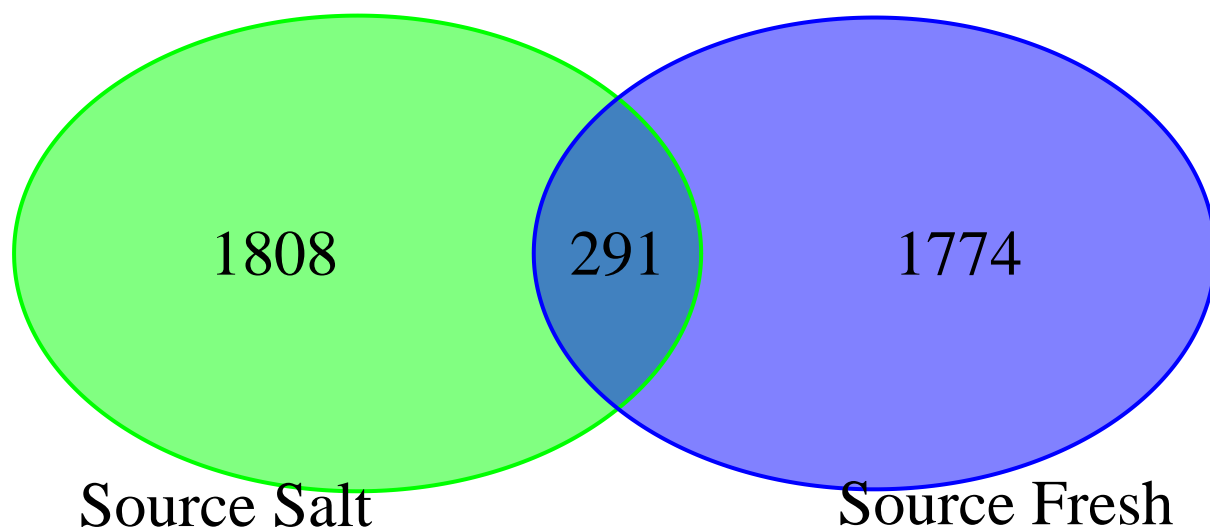
all.equal(rownames(design_final), rownames(csi_pres_abs))

## [1] TRUE

occupants <- function(x){names(which(colSums(x) > 1))}
l.overlap <- function(x){
  temp <- calculate.overlap(x)
  l.temp <- length(temp)
  temp2 <- temp[1: (l.temp - length(x) )]
  return(rev(lengths(temp2)))
}

salt <- occupants(csi_pres_abs[which(design_final$Number == 1), ])
fresh <- occupants(csi_pres_abs[which(design_final$Number == 2), ])

venn.plot <- draw.pairwise.venn(area1 = length(salt), area2 = length(fresh),
  cross.area = length(intersect(salt, fresh)),
  category = c("Source Salt", "Source Fresh"),
  col = c("green", "blue"), fill = c("green", "blue"),
  scaled = T, cex=2, cat.cex=2, cat.pos = c(200, 160))
```



```
#manually export PDF to figures folder
dev.off()

## null device
## 1

sal0 <- occupants(csi_pres_abs[which(design_final$Salinity == 0 &
  design_final$Number > 3), ])
sal5 <- occupants(csi_pres_abs[which(design_final$Salinity == 5),])
```

```

sal9 <- occupants(csi_pres_abs[which(design_final$Salinity == 9),])
sal13 <- occupants(csi_pres_abs[which(design_final$Salinity == 13),])

venn.plot2 <- draw.triple.venn(area1 = length(salt), area2 = length(sal0),
  area3 = length(sal5), euler.d = TRUE,
  n12 = length(Reduce(intersect, list(salt, sal0))),
  n23 = length(Reduce(intersect, list(sal0, sal5))),
  n13 = length(Reduce(intersect, list(salt, sal5))),
  n123 = length(Reduce(intersect, list(salt, sal0, sal5))),
  category = c("Source Salt", "Salinity 0", "Salinity 5"),
  col = c("green", "darkblue", "orange"), fill = c("green", "darkblue", "orange"),
  scaled = T, cex=2, cat.cex=2, cat.pos = c(-40, 40, 180))
#manually export PDF to figures folder
dev.off()

## null device
## 1

venn.plot3 <- draw.triple.venn(area1 = length(salt), area2 = length(sal5),
  area3 = length(sal9), euler.d = TRUE,
  n12 = length(Reduce(intersect, list(salt, sal5))),
  n23 = length(Reduce(intersect, list(sal5, sal9))),
  n13 = length(Reduce(intersect, list(salt, sal9))),
  n123 = length(Reduce(intersect, list(salt, sal5, sal9))),
  category = c("Source Salt", "Salinity 5", "Salinity 9"),
  col = c("green", "orange", "purple"), fill = c("green", "orange", "purple"),
  scaled = T, cex=2, cat.cex=2, cat.pos = c(-40, 40, 180))
#manually export PDF to figures folder
dev.off()

## null device
## 1

venn.plot4 <- draw.triple.venn(area1 = length(salt), area2 = length(sal9),
  area3 = length(sal13), euler.d = TRUE,
  n12 = length(Reduce(intersect, list(salt, sal9))),
  n23 = length(Reduce(intersect, list(sal9, sal13))),
  n13 = length(Reduce(intersect, list(salt, sal13))),
  n123 = length(Reduce(intersect, list(salt, sal9, sal13))),
  category = c("Source Salt", "Salinity 9", "Salinity 13"),
  col = c("green", "purple", "darkgreen"), fill = c("green", "purple", "darkgreen"),
  scaled = T, cex=2, cat.cex=2, cat.pos = c(-30, 30, 50))
#manually export PDF to figures folder
dev.off()

## null device
## 1

venn.plot5 <- draw.triple.venn(area1 = length(fresh), area2 = length(sal0),
  area3 = length(sal5), euler.d = TRUE,
  n12 = length(Reduce(intersect, list(fresh, sal0))),
  n23 = length(Reduce(intersect, list(sal0, sal5))),
  n13 = length(Reduce(intersect, list(fresh, sal5))),
  n123 = length(Reduce(intersect, list(fresh, sal0, sal5))),
  category = c("Source Fresh", "Salinity 0", "Salinity 5"),

```

```

col = c("blue", "darkblue", "orange"), fill = c("blue", "darkblue", "orange"),
scaled = T, cex=2, cat.cex=2, cat.pos = c(-40, 40, 180))
#manually export PDF to figures folder
dev.off()

## null device
##          1

venn.plot5 <- draw.triple.venn(area1 = length(fresh), area2 = length(sal5),
  area3 = length(sal9), euler.d = TRUE,
  n12 = length(Reduce(intersect, list(fresh, sal5))),
  n23 = length(Reduce(intersect, list(sal5, sal9))),
  n13 = length(Reduce(intersect, list(fresh, sal9))),
  n123 = length(Reduce(intersect, list(fresh, sal5, sal9))),
  category = c("Source Fresh", "Salinity 5", "Salinity 9"),
  col = c("blue", "orange", "purple"), fill = c("blue", "orange", "purple"),
  scaled = T, cex=2, cat.cex=2, cat.pos = c(-40, 40, 180))
#manually export PDF to figures folder
dev.off()

## null device
##          1

venn.plot6 <- draw.triple.venn(area1 = length(fresh), area2 = length(sal9),
  area3 = length(sal13), euler.d = TRUE,
  n12 = length(Reduce(intersect, list(fresh, sal9))),
  n23 = length(Reduce(intersect, list(sal9, sal13))),
  n13 = length(Reduce(intersect, list(fresh, sal13))),
  n123 = length(Reduce(intersect, list(fresh, sal9, sal13))),
  category = c("Source Fresh", "Salinity 9", "Salinity 13"),
  col = c("blue", "purple", "darkgreen"), fill = c("blue", "purple", "darkgreen"),
  scaled = T, cex=2, cat.cex=2, cat.pos = c(-30, 30, 180))
#manually export PDF to figures folder
dev.off()

## null device
##          1

```

Calculating Diversity Metrics

```

# Rarefy Abundances (min abundance is 13,240. We are sampling to 13,000)
min(rowSums(otu_final.ns))

## [1] 13240

otu.rarefy <- rrarefy(otu_final.ns, 13000)

# Calculate Shannon H' (called shannon) using full data set (WITH source tanks)
shannon <- diversity(otu.rarefy, "shannon")

# Species Richness
richness <- rowSums((otu.rarefy >= 1))

# Pielou's evenness

```

```

J <- shannon/log(specnumber(otu.rarefy[, -c(1:1)]))

# Dombined design, shannon, richness, evenness - no source tanks
csi_otu.div <- cbind(design.ns.final, shannon, richness, J)

# Rarefy Abundances with SOURCES (min abundance is 13,240. We are sampling to 13,000)
min(rowSums(otu_final))

## [1] 13240
otu.rarefy <- rrarefy(otu_final, 13000)

# Calculate Shannon H' (called shannon) using full data set (WITH source tanks)
shannon.source <- diversity(otu.rarefy, "shannon")

# Species Richness
richness.source <- rowSums((otu.rarefy >= 1))

# Pielou's evenness
J.source <- shannon/log(specnumber(otu.rarefy[, -c(1:1)]))

## Warning in shannon/log(specnumber(otu.rarefy[, -c(1:1)])): longer object
## length is not a multiple of shorter object length

# Dombined design, shannon, richness, evenness - no source tanks
csi_otu.div.source <- cbind(design_final, shannon.source, richness.source, J.source)

```

- (1) How does salinity/dispersal/date influence bacterial diversity? -Calculate Shannon's H' (diversity metric) - no source tanks -Run stat model diversity~dispersal|salinity|date

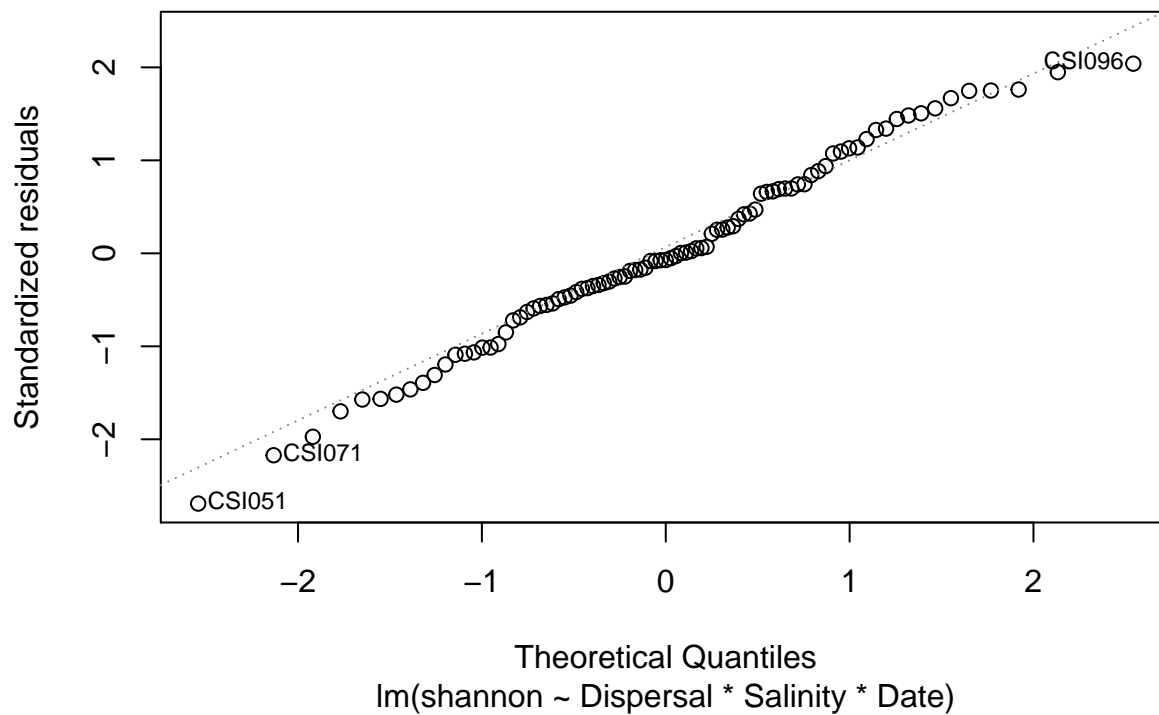
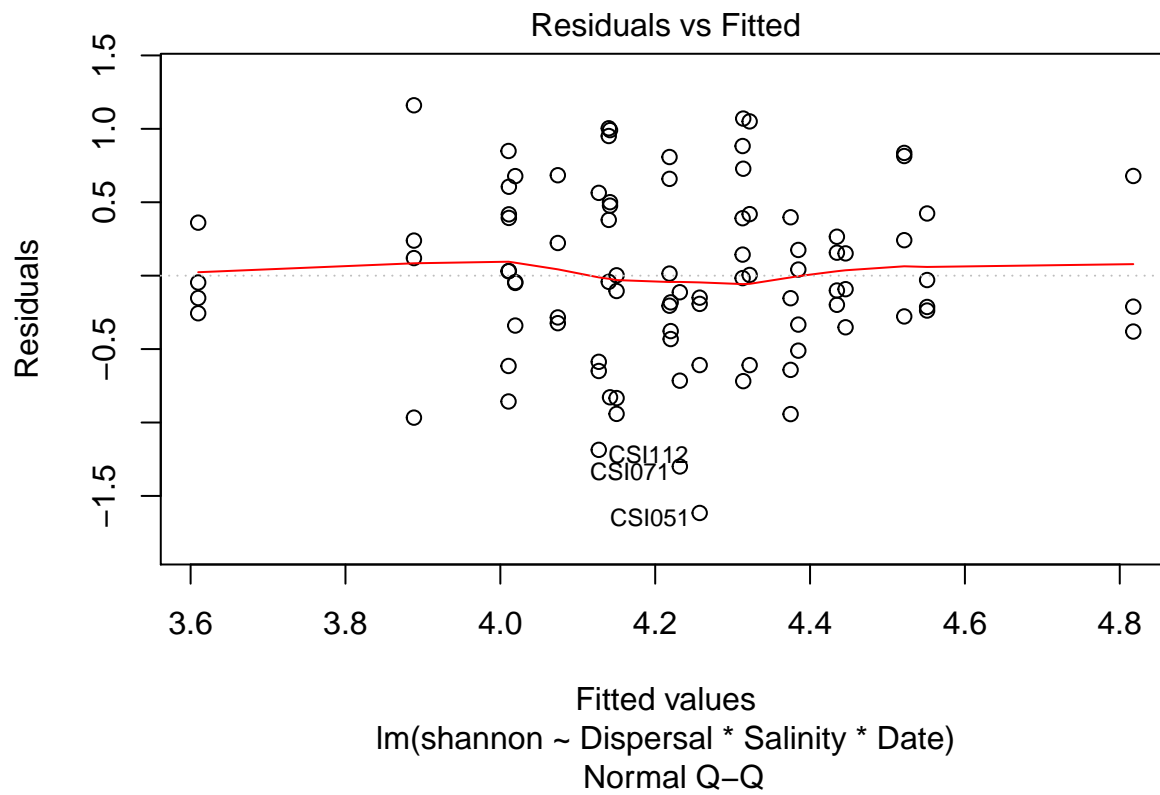
Supplemental Results: Use full data set (with source tanks) #Maybe just subset source tanks into a separate figure with no stats (just use as supplemental)

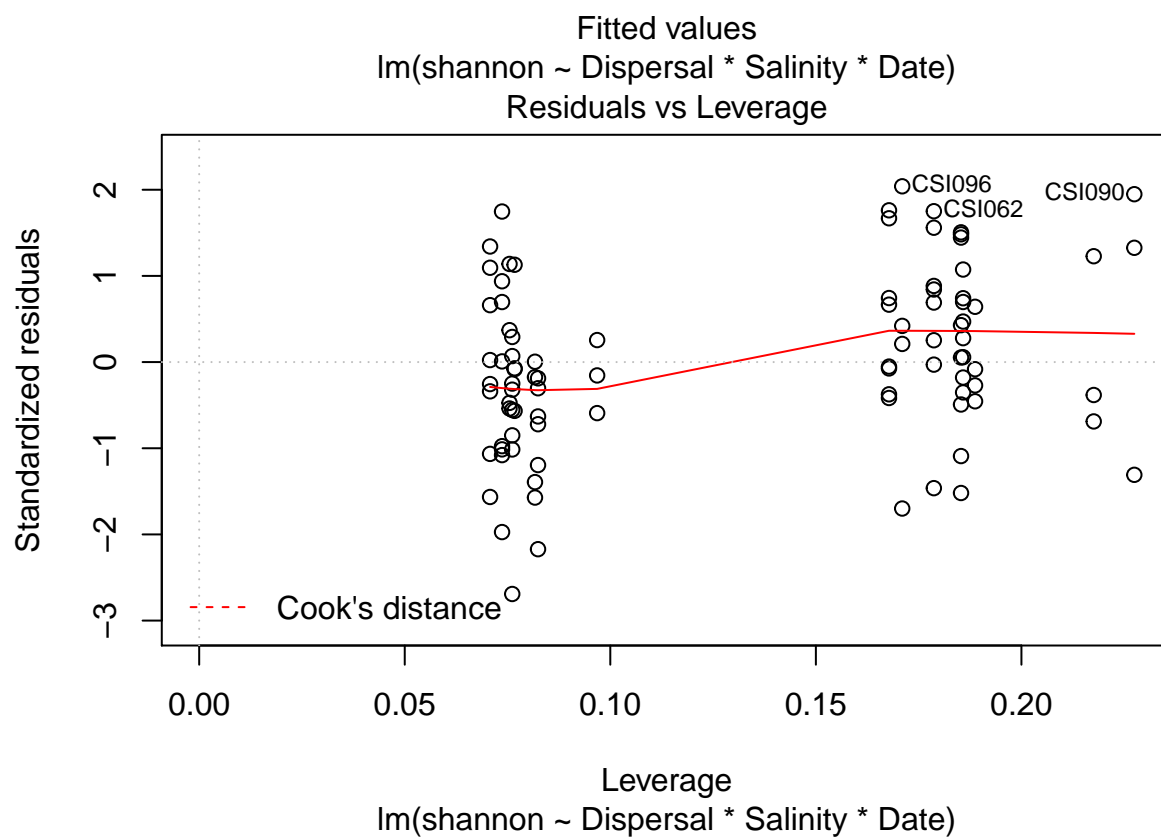
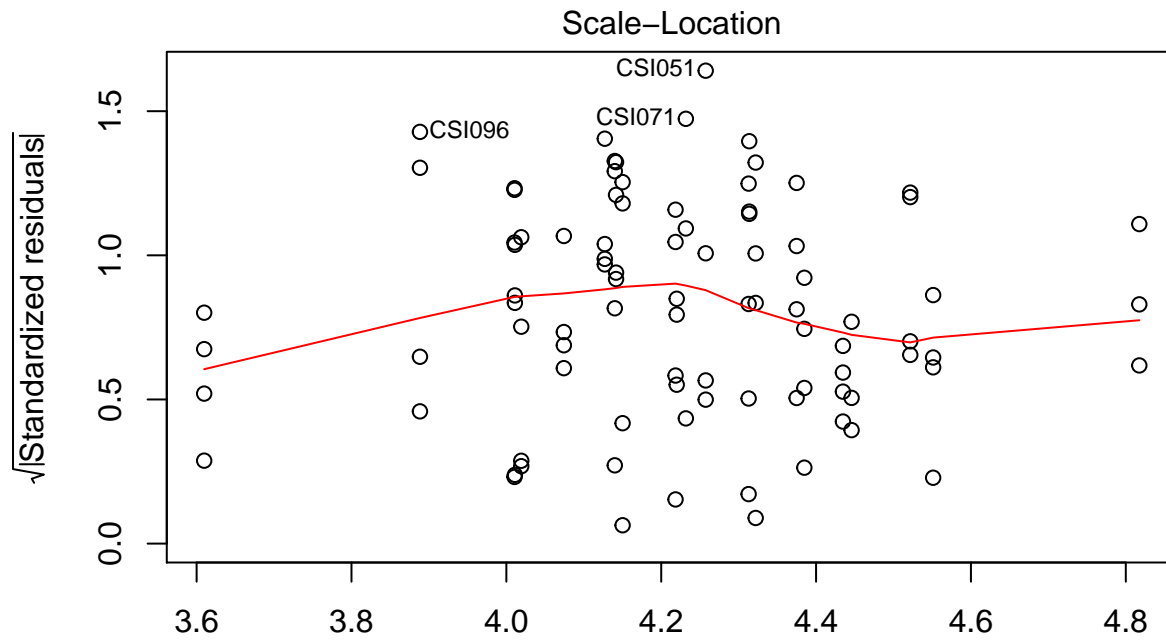
Testing salinity x dispersal influence on DIVERSITY

```

# run full parametric statistical model
shannon.lm <- lm(shannon ~ Dispersal*Salinity*Date, data = csi_otu.div)
plot(shannon.lm)

```





```
shannon.lm
```

```
##
## Call:
## lm(formula = shannon ~ Dispersal * Salinity * Date, data = csi_otu.div)
##
## Coefficients:
```

```
##              (Intercept)                Dispersal
##              2.808097                0.400831
##              Salinity                Date6/29/15
##              0.195532                0.597635
##              Date7/26/15            Dispersal:Salinity
##              1.452703                -0.051316
##              Dispersal:Date6/29/15    Dispersal:Date7/26/15
##              -0.098175                -0.313883
##              Salinity:Date6/29/15      Salinity:Date7/26/15
##              -0.060443                -0.204450
## Dispersal:Salinity:Date6/29/15    Dispersal:Salinity:Date7/26/15
##              -0.004619                0.044504
```

```
anova(shannon.lm)
```

```
## Analysis of Variance Table
```

```
##
```

```
## Response: shannon
```

```
##              Df  Sum Sq Mean Sq F value  Pr(>F)
## Dispersal      1  0.0124  0.01238   0.0317  0.85908
## Salinity       1  0.2552  0.25522   0.6539  0.42113
## Date          2  0.5449  0.27243   0.6981  0.50059
## Dispersal:Salinity  1  0.6437  0.64367   1.6493  0.20281
## Dispersal:Date   2  0.1277  0.06386   0.1636  0.84935
## Salinity:Date    2  3.3048  1.65238   4.2340  0.01792 *
## Dispersal:Salinity:Date 2  0.2645  0.13225   0.3389  0.71360
## Residuals     79 30.8312  0.39027
```

```
## ---
```

```
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
# run linear regression measured salinity used instead of 'factor' salinity
```

```
shannon.reg <- lm(shannon~Salinity_real, data = csi_otu.div)
```

```
summary(shannon.reg)
```

```
##
```

```
## Call:
```

```
## lm(formula = shannon ~ Salinity_real, data = csi_otu.div)
```

```
##
```

```
## Residuals:
```

```
##      Min       1Q   Median       3Q      Max
## -1.60412 -0.43680  0.02582  0.44827  1.23924
```

```
##
```

```
## Coefficients:
```

```
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   4.13931    0.11804  35.068  <2e-16 ***
## Salinity_real  0.01244    0.01452   0.857    0.394
```

```
## ---
```

```
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
##
```

```
## Residual standard error: 0.6333 on 89 degrees of freedom
```

```
## Multiple R-squared:  0.008184,    Adjusted R-squared:  -0.00296
```

```
## F-statistic: 0.7343 on 1 and 89 DF,  p-value: 0.3938
```

```
# run for source tanks only
```

```
csi.div.source1 <- subset(csi_otu.div.source, Number == "1")
```

```
csi.div.source2 <- subset(csi_otu.div.source, Number == "2")
```


csi.div.source1 #salt source

##	CSI_ID	Date	Date2	Replicate	Number	Tank_Name
##	CSI001	ECU_CSI_001	11-Jun-15	0	A	1 A1_2015-June11
##	CSI012	ECU_CSI_012	11-Jun-15	0	B	1 B1_2015-June11
##	CSI022	ECU_CSI_023	11-Jun-15	0	C	1 C1_2015-June11
##	CSI044	ECU_CSI_221	26-Jul-15	45	A	1 A1_2015-July25
##	CSI055	ECU_CSI_232	26-Jul-15	45	B	1 B1_2015-July25
##	CSI065	ECU_CSI_243	26-Jul-15	45	C	1 C1_2015-July25
##	CSI076	ECU_CSI_254	26-Jul-15	45	D	1 D1_2015-July25
##	CSI087	ECU_CSI_089	29-Jun-15	18	A	1 A1_2015-June29
##	CSI098	ECU_CSI_100	29-Jun-15	18	B	1 B1_2015-June29
##	CSI108	ECU_CSI_111	29-Jun-15	18	C	1 C1_2015-June29
##	CSI119	ECU_CSI_122	29-Jun-15	18	D	1 D1_2015-June29
##	Salinity	Dispersal	shannon.source	richness.source	J.source	
##	CSI001	13	Source13	4.855114	779	0.6070181
##	CSI012	13	Source13	4.789448	775	0.6855322
##	CSI022	13	Source13	4.650721	618	0.7037401
##	CSI044	13	Source13	2.323635	191	0.6953540
##	CSI055	13	Source13	4.357734	763	0.6530553
##	CSI065	13	Source13	4.139442	455	0.5684702
##	CSI076	13	Source13	4.799420	708	0.6108982
##	CSI087	13	Source13	4.879939	766	0.5332096
##	CSI098	13	Source13	4.959505	946	0.5654872
##	CSI108	13	Source13	4.075938	511	0.6919147
##	CSI119	13	Source13	4.409890	798	0.7122222

csi.div.source2 #fresh source

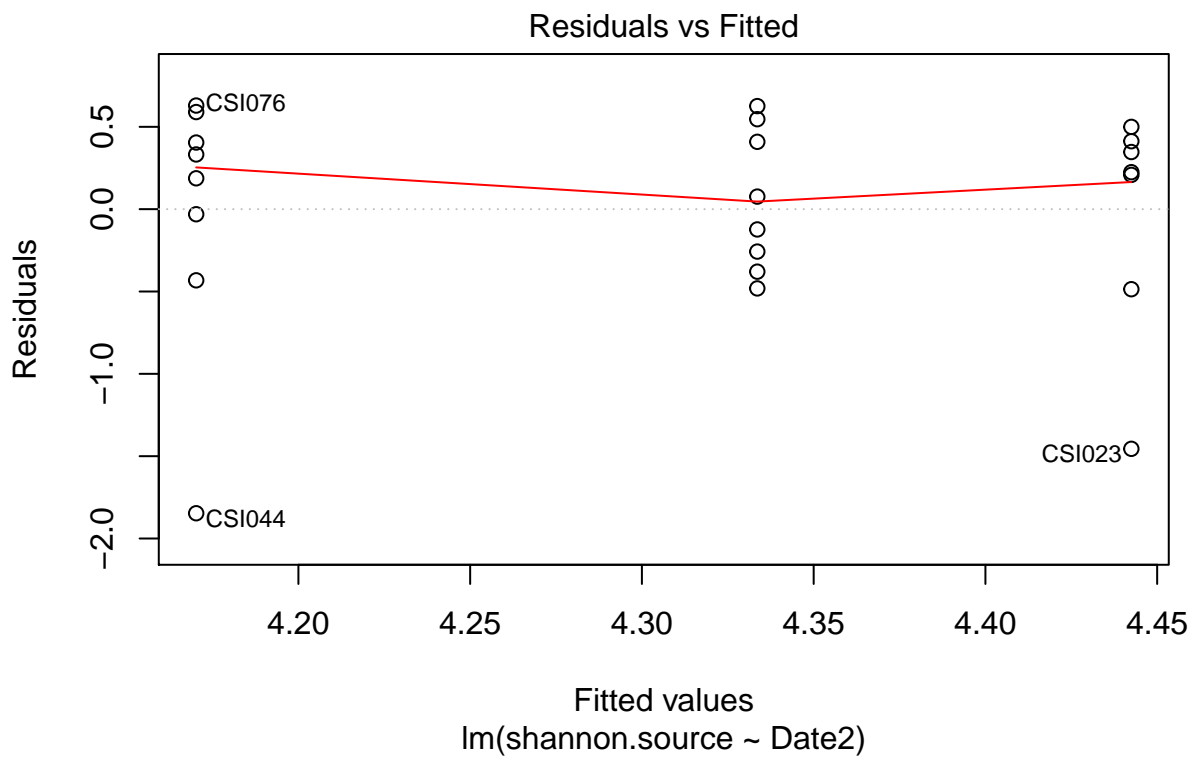
##	CSI_ID	Date	Date2	Replicate	Number	Tank_Name
##	CSI002	ECU_CSI_002	11-Jun-15	0	A	2 A2_2015-June11
##	CSI013	ECU_CSI_013	11-Jun-15	0	B	2 B2_2015-June11
##	CSI023	ECU_CSI_024	11-Jun-15	0	C	2 C2_2015-June11
##	CSI034	ECU_CSI_035	11-Jun-15	0	D	2 D2_2015-June11
##	CSI045	ECU_CSI_222	26-Jul-15	45	A	2 A2_2015-July25
##	CSI056	ECU_CSI_233	26-Jul-15	45	B	2 B2_2015-July25
##	CSI066	ECU_CSI_244	26-Jul-15	45	C	2 C2_2015-July25
##	CSI077	ECU_CSI_255	26-Jul-15	45	D	2 D2_2015-July25
##	CSI088	ECU_CSI_090	29-Jun-15	18	A	2 A2_2015-June29
##	CSI099	ECU_CSI_101	29-Jun-15	18	B	2 B2_2015-June29
##	CSI109	ECU_CSI_112	29-Jun-15	18	C	2 C2_2015-June29
##	CSI120	ECU_CSI_123	29-Jun-15	18	D	2 D2_2015-June29
##	Salinity	Dispersal	shannon.source	richness.source	J.source	
##	CSI002	0	Source0	3.956356	637	0.5871045
##	CSI013	0	Source0	4.667017	777	0.8260076
##	CSI023	0	Source0	2.987073	299	0.6068755
##	CSI034	0	Source0	4.942236	946	0.6161326
##	CSI045	0	Source0	3.738055	523	0.8200148
##	CSI056	0	Source0	4.574818	663	0.7331726
##	CSI066	0	Source0	4.502446	625	0.4985677
##	CSI077	0	Source0	4.760017	668	0.7097667
##	CSI088	0	Source0	3.852306	519	0.6471159
##	CSI099	0	Source0	4.742571	734	0.6725430
##	CSI109	0	Source0	4.210340	612	0.5554407
##	CSI120	0	Source0	3.953994	474	0.8158185

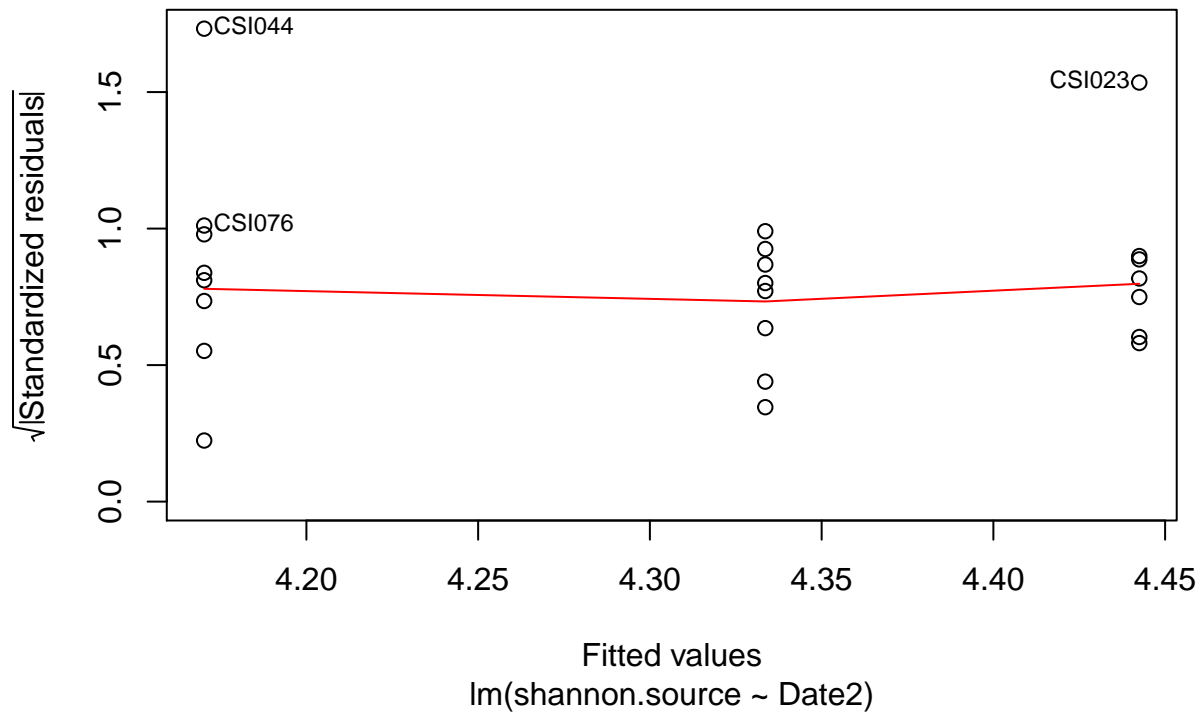
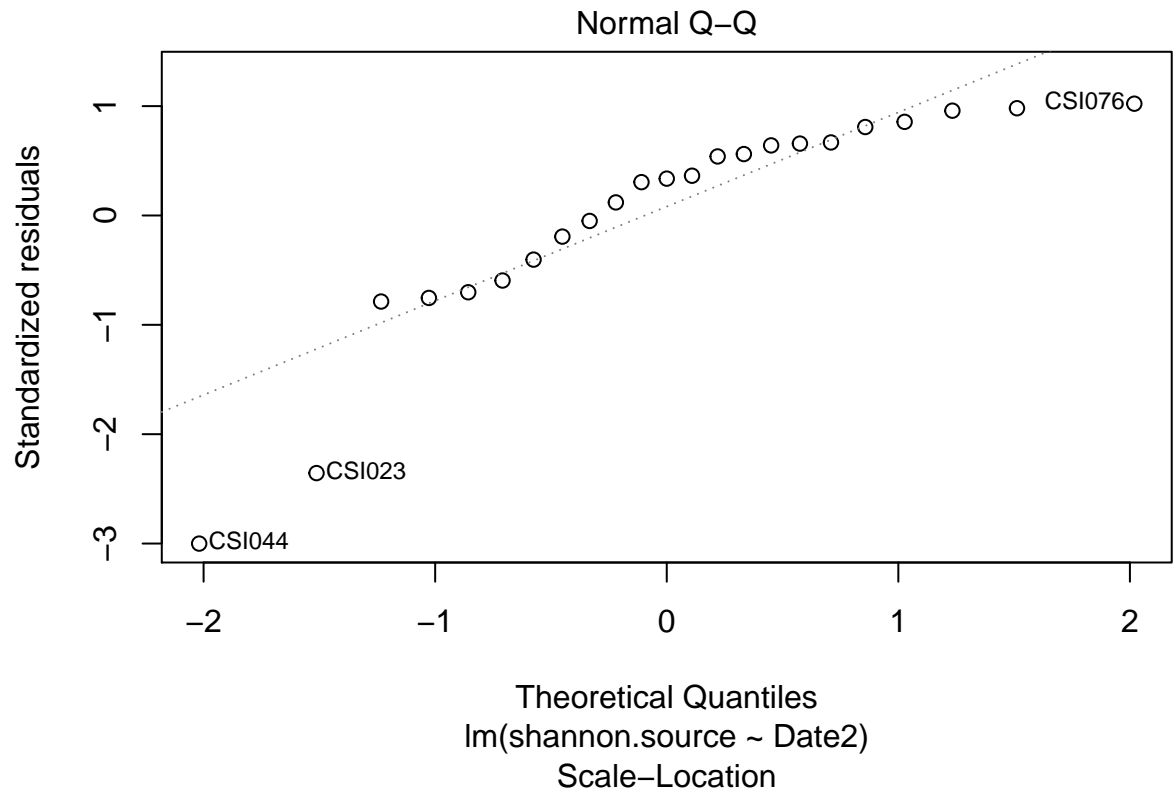
```
csi.div.source <- rbind(csi.div.source1,csi.div.source2)
dim(csi.div.source)
```

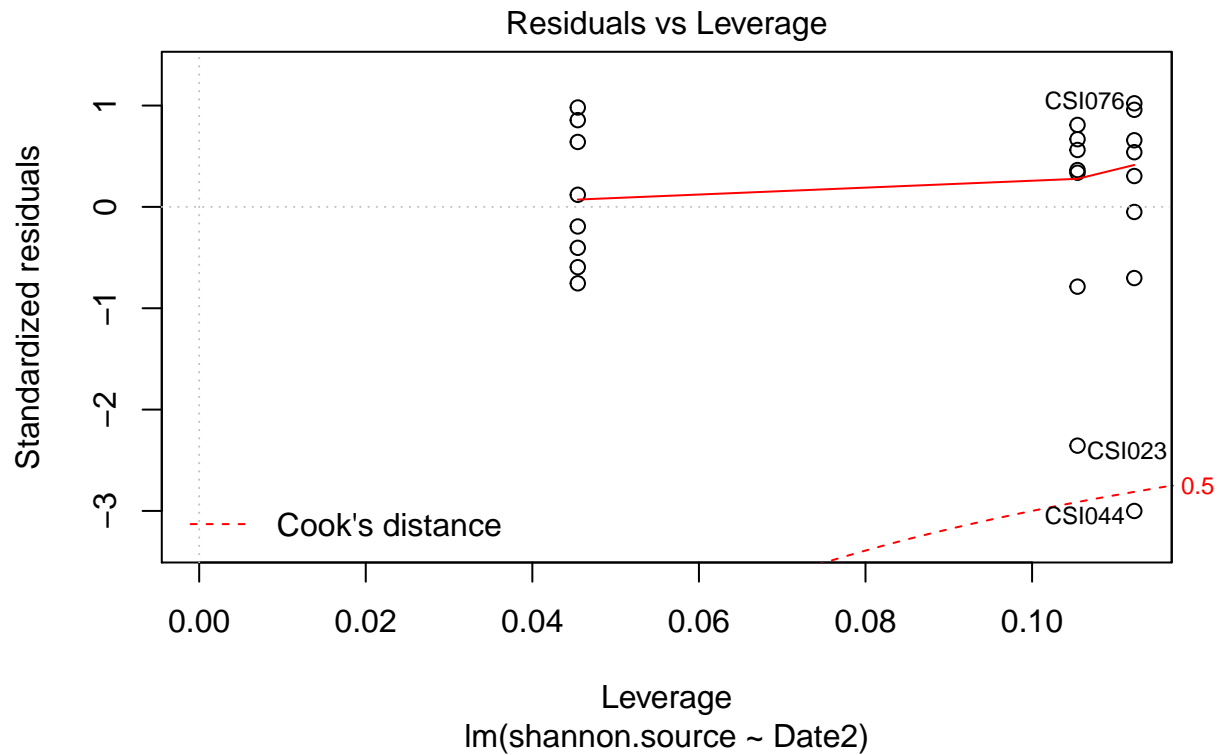
```
## [1] 23 11
```

```
Number1 <- as.factor(csi.div.source$Number)
```

```
shannon.lm.source <- lm(shannon.source ~ Date2, data = csi.div.source)
plot(shannon.lm.source)
```







```
summary(shannon.lm.source)
```

```
##
## Call:
## lm(formula = shannon.source ~ Date2, data = csi.div.source)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.8466 -0.3186  0.2082  0.4108  0.6292
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  4.442490   0.212117  20.944 1.49e-15 ***
## Date2       -0.006050   0.007421  -0.815   0.424
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.6532 on 21 degrees of freedom
## Multiple R-squared:  0.03068,    Adjusted R-squared:  -0.01548
## F-statistic: 0.6647 on 1 and 21 DF,  p-value: 0.4241
```

```
shannon.lm.source
```

```
##
## Call:
## lm(formula = shannon.source ~ Date2, data = csi.div.source)
##
## Coefficients:
## (Intercept)      Date2
##      4.44249      -0.00605
```

```
anova(shannon.lm.source)
```

```
## Analysis of Variance Table
```

```
##
```

```
## Response: shannon.source
```

```
##           Df Sum Sq Mean Sq F value Pr(>F)
```

```
## Date2      1 0.2836 0.28360   0.6647 0.4241
```

```
## Residuals 21 8.9600 0.42667
```

```
date_1 <- as.factor(design.ns.final$Date2)
```

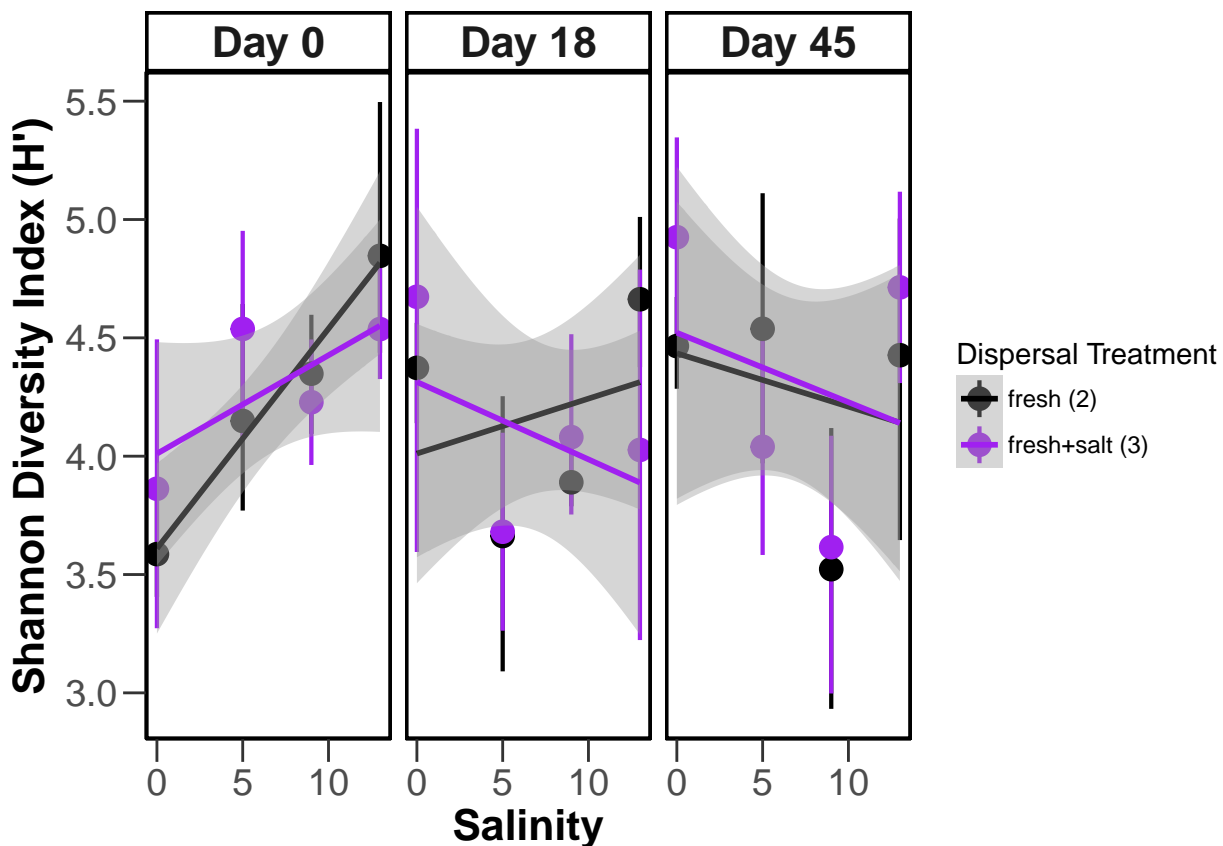
```
labels <- c("0"="Day 0", "18"="Day 18", "45"="Day 45")
```

```
# Graphing Shannon Diversity - Treatment Salinity NO SOURCE
```

```
p <- ggplot(csi_otu.div, aes(x=Salinity, y=shannon, color=as.factor(Dispersal)))+ scale_color_manual(nam
```

```
p1=p+geom_smooth(method="lm")+facet_wrap(~Date2)+facet_grid(. ~ Date2, labeller=labeler(Date2 = labels
```

```
p1 + theme_bw() + theme(panel.grid.major = element_blank(), panel.grid.minor = element_blank(), axis.li
```



```
ggsave("../figures/shannon.source.pdf", plot=last_plot(), device=NULL, path=NULL, scale=1, width=NA, he
```

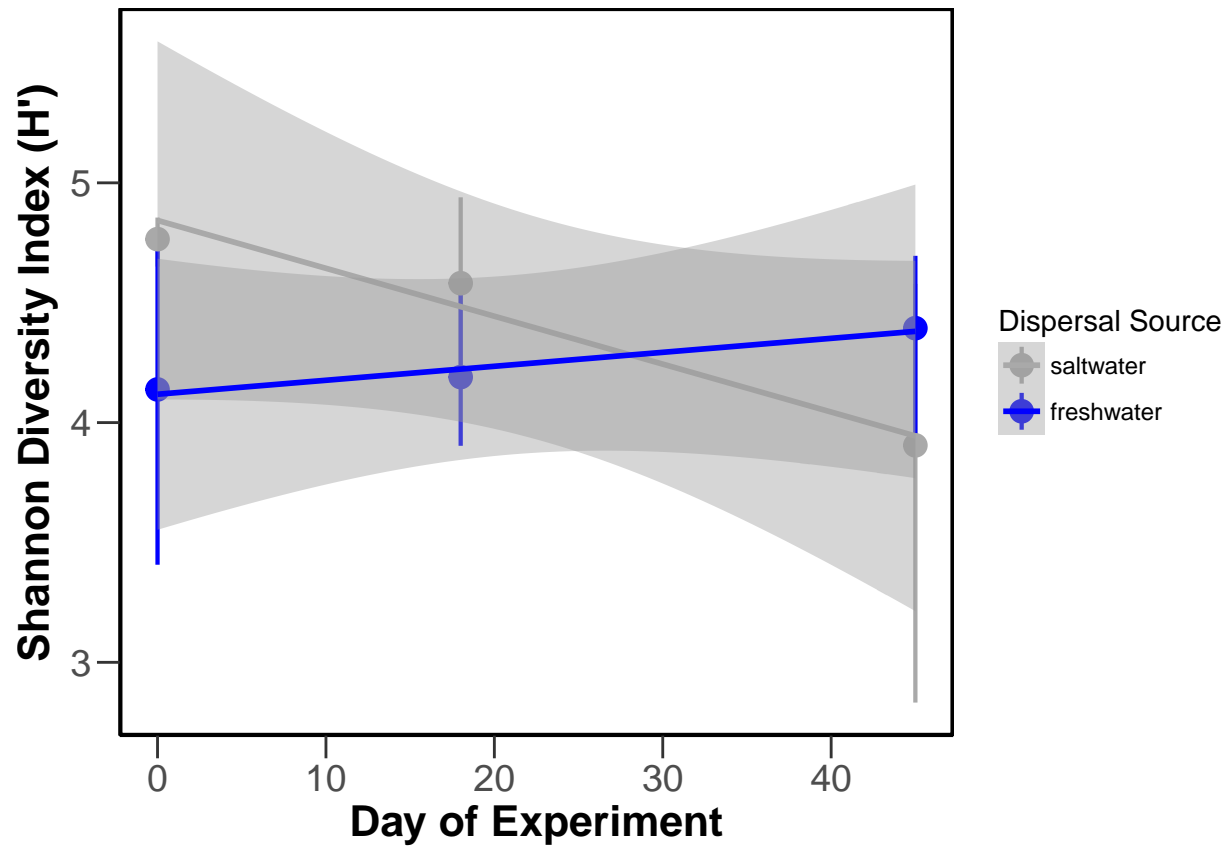
```
## Saving 6.5 x 4.5 in image
```

```
# Graphing Shannon Diversity - Treatment Salinity SOURCE ONLY
```

```
p <- ggplot(csi.div.source, aes(x=Date2, y=shannon.source, color=as.factor(Number1)))+ scale_color_manu
```

```
p1=p+geom_smooth(method="lm")
```

```
p1 + theme_bw() + theme(panel.grid.major = element_blank(), panel.grid.minor = element_blank(), axis.li
```

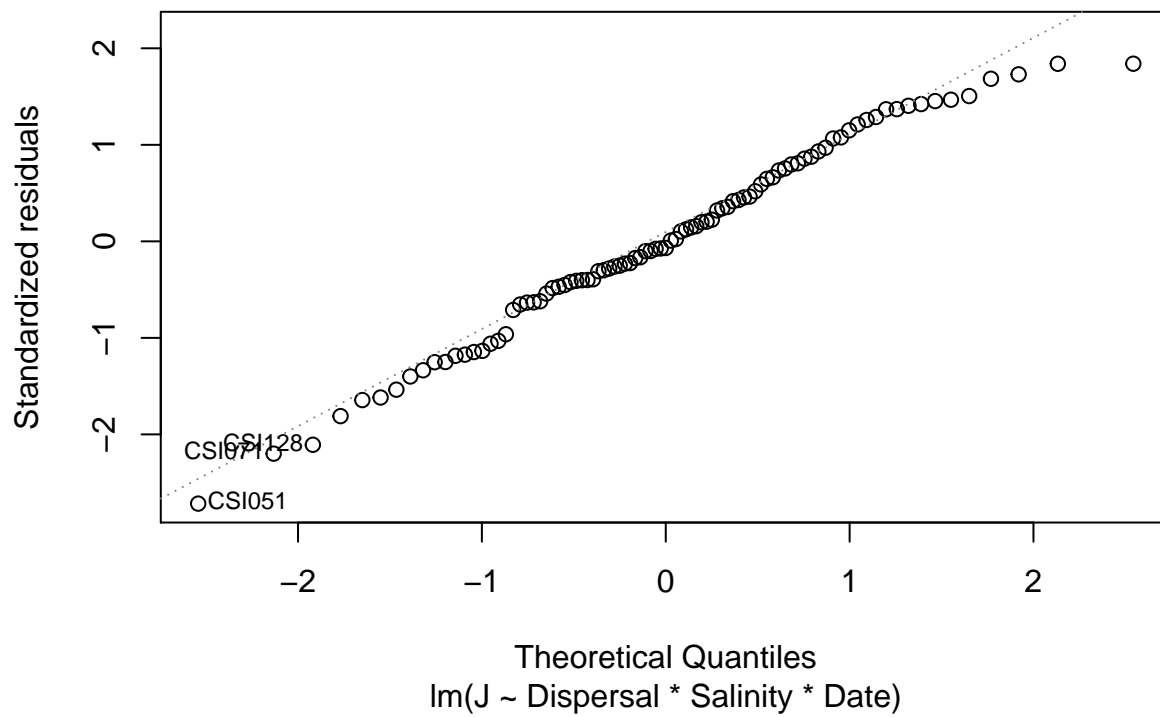
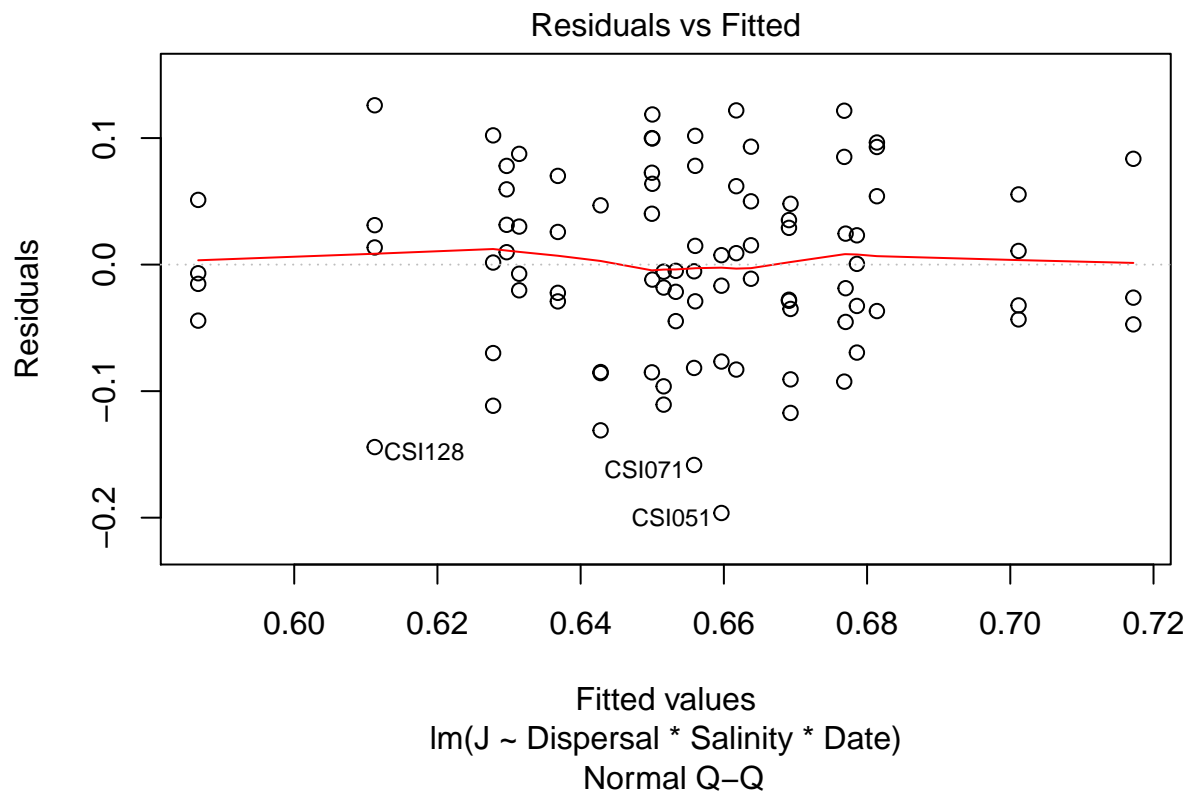


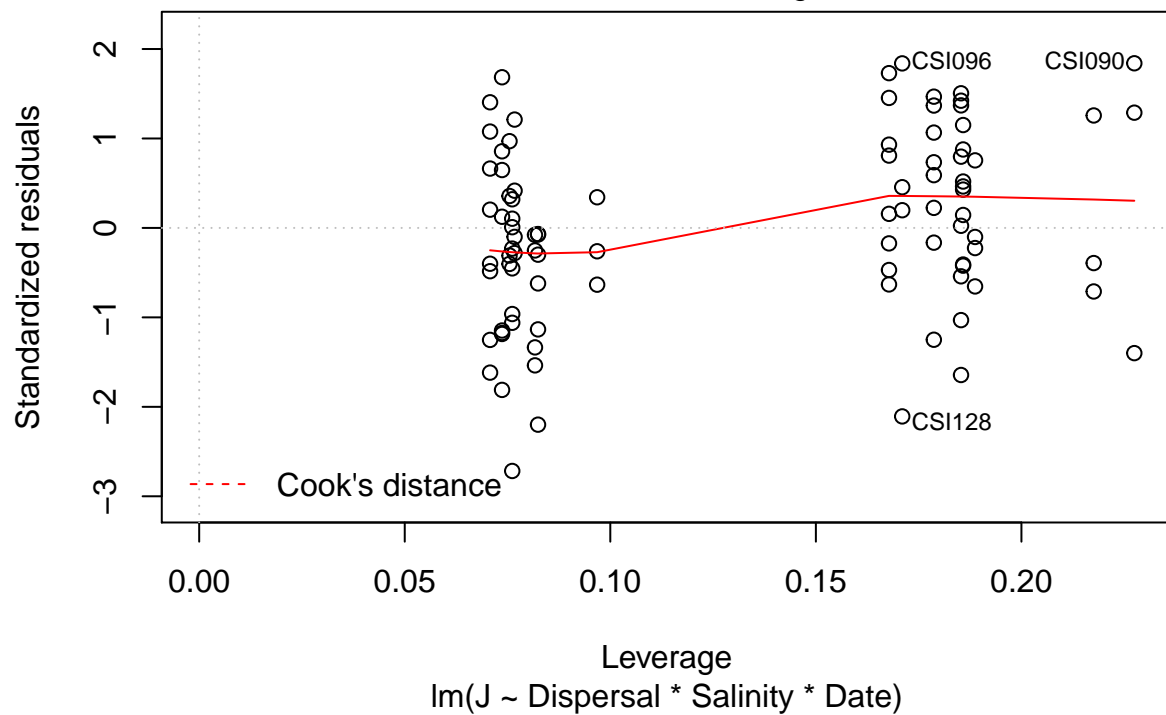
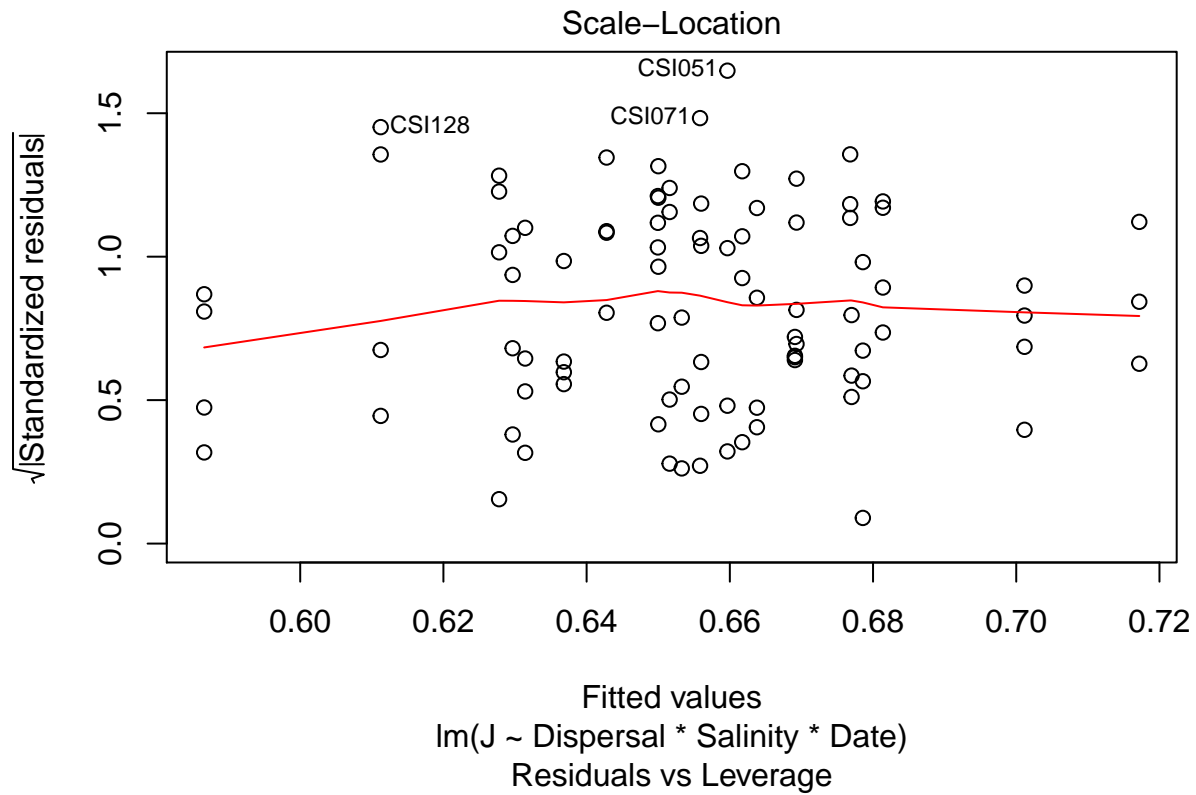
```
ggsave("../figures/shannon.source.pdf", plot=last_plot(), device=NULL, path=NULL, scale=1, width=NA, height=NA)
```

```
## Saving 6.5 x 4.5 in image
```

(2) How does salinity/dispersal/date influence bacterial evenness?

```
# run full parametric statistical model
J.lm <- lm(J ~ Dispersal*Salinity*Date, data = csi_otu.div)
plot(J.lm)
```





```
anova(J.lm)
```

```
## Analysis of Variance Table
```

```
##
```

```
## Response: J
```

```
##
```

```
      Df Sum Sq Mean Sq F value Pr(>F)
```

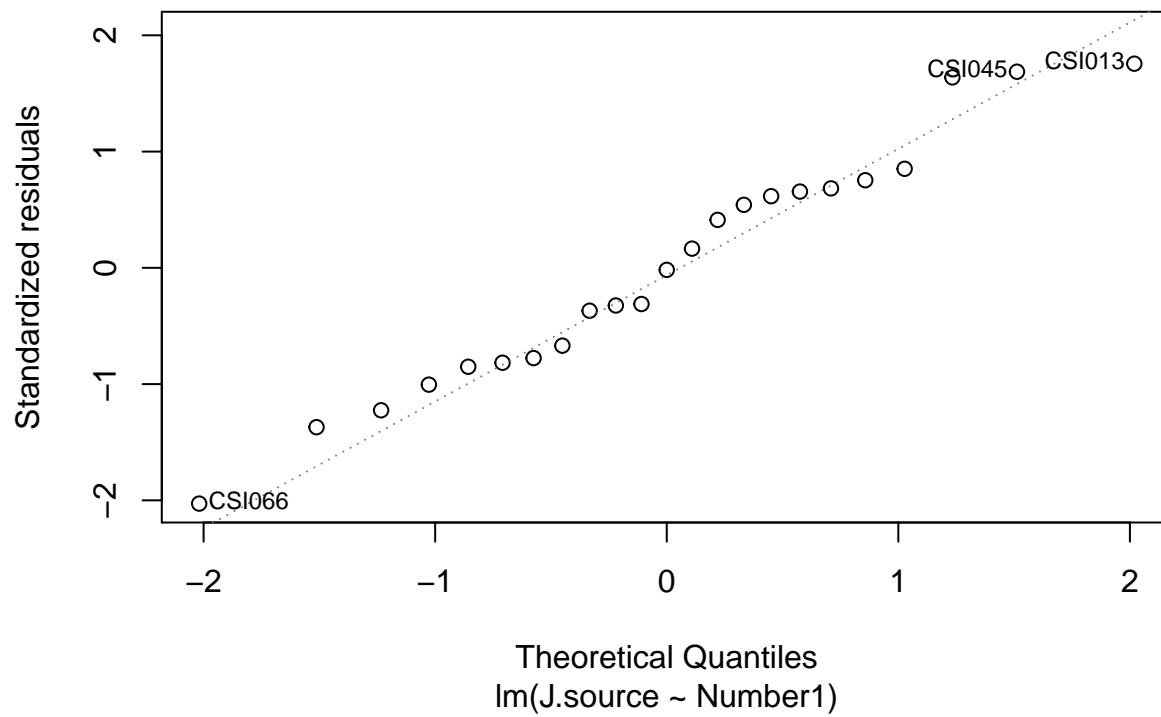
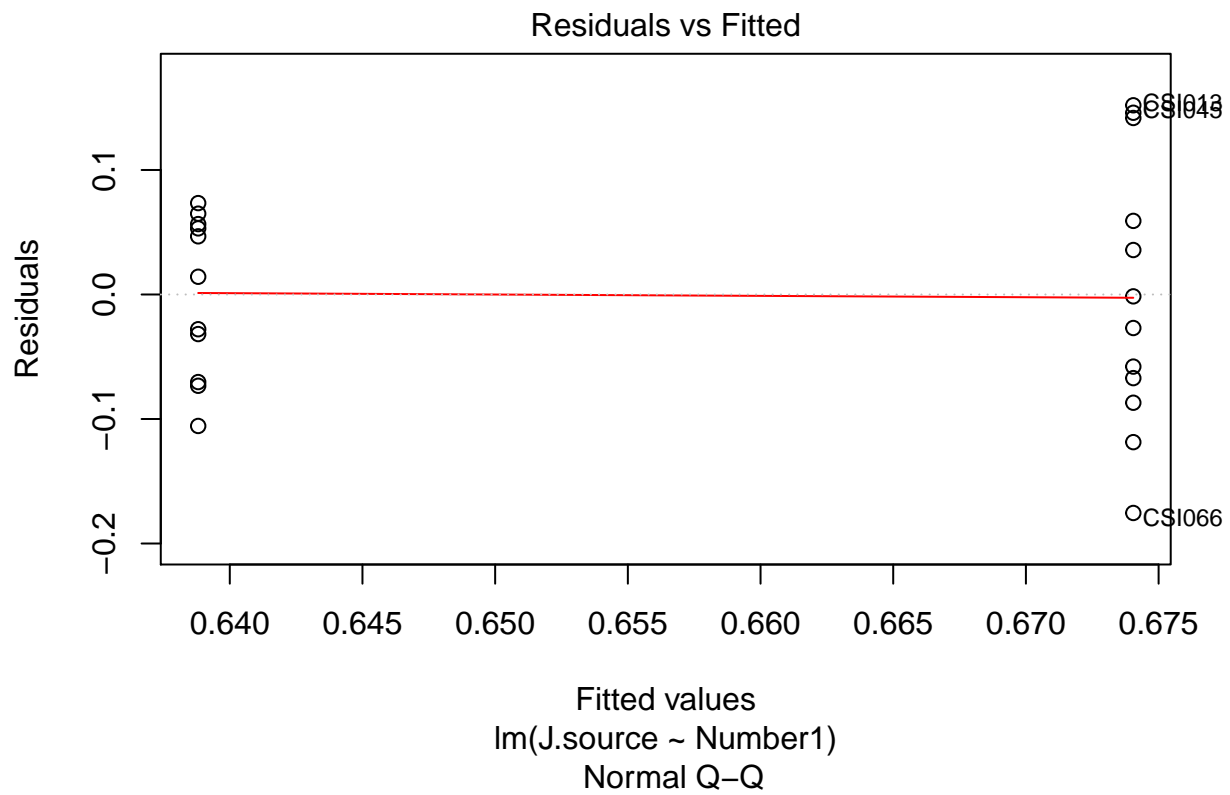


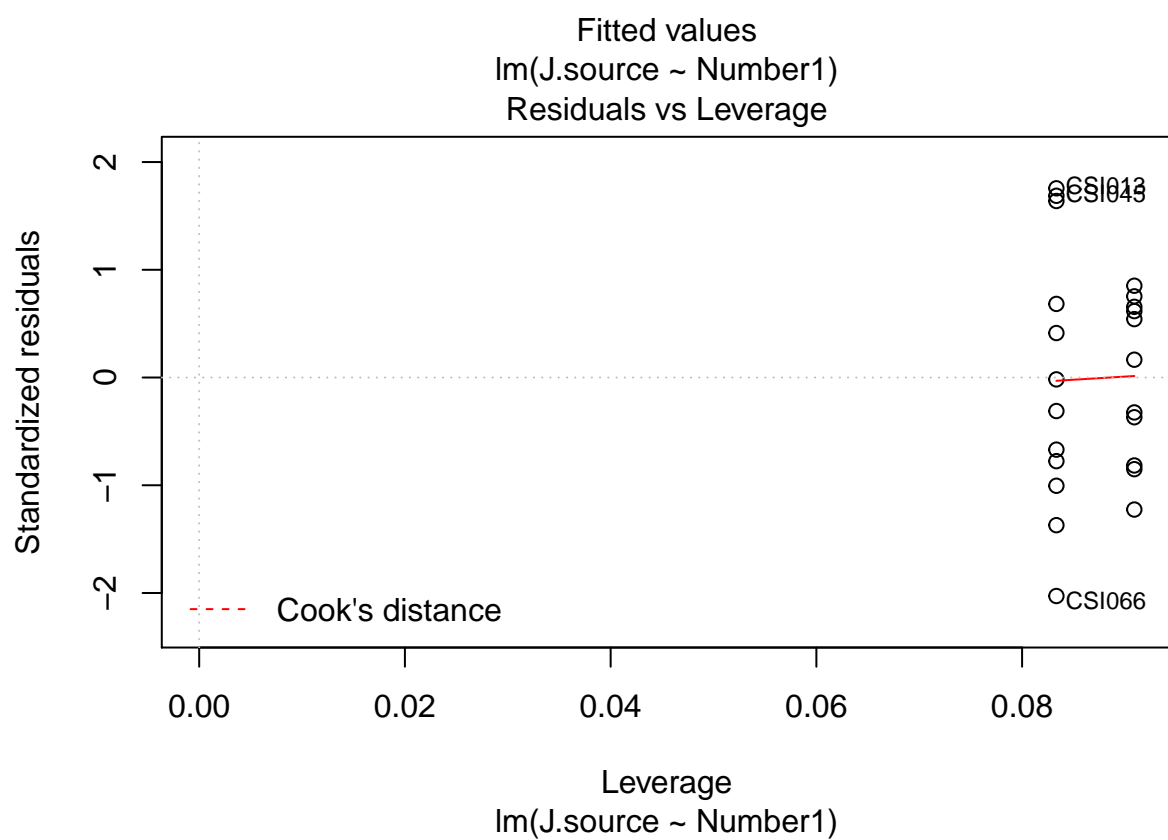
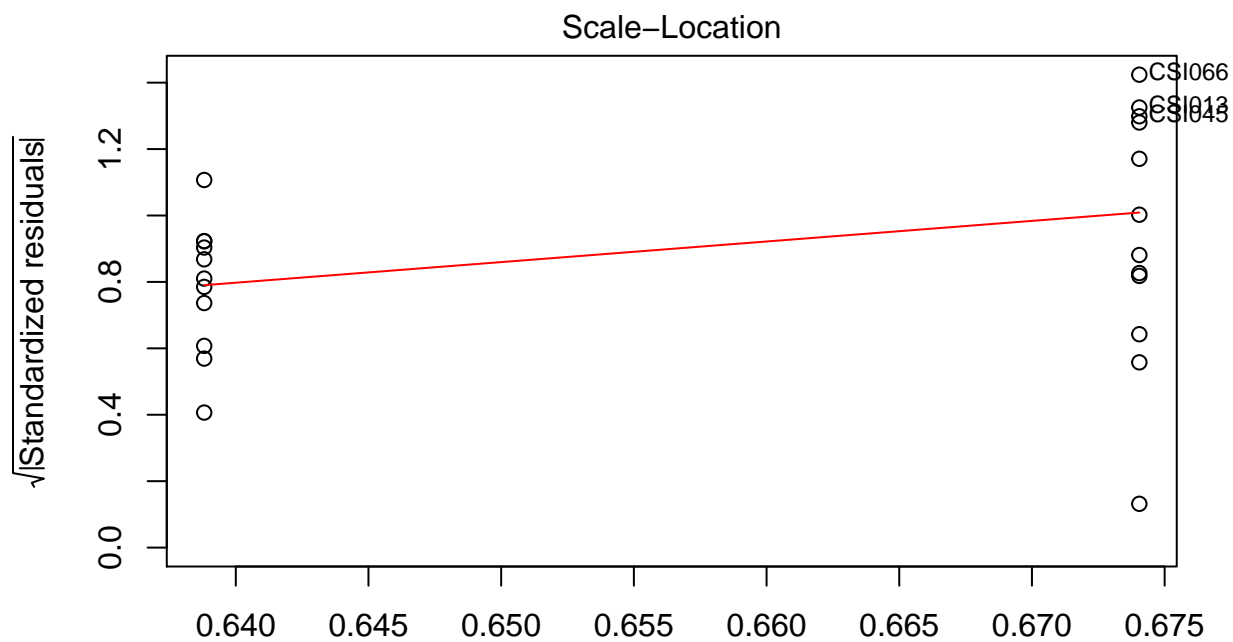
```
## Dispersal          1 0.00079 0.0007859 0.1391 0.71017
## Salinity           1 0.00463 0.0046256 0.8187 0.36830
## Date              2 0.00588 0.0029401 0.5204 0.59630
## Dispersal:Salinity 1 0.00824 0.0082375 1.4581 0.23084
## Dispersal:Date     2 0.00186 0.0009315 0.1649 0.84829
## Salinity:Date      2 0.04109 0.0205442 3.6364 0.03085 *
## Dispersal:Salinity:Date 2 0.00402 0.0020116 0.3561 0.70155
## Residuals         79 0.44632 0.0056496
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

# run linear regression measured salinity used instead of 'factor' salinity
J.reg <- lm(J~Salinity_real, data = csi_otu.div)
summary(J.reg)

##
## Call:
## lm(formula = J ~ Salinity_real, data = csi_otu.div)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.198694 -0.046738 -0.003176  0.053473  0.153952
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.643804   0.014080  45.724  <2e-16 ***
## Salinity_real 0.001616   0.001732   0.933   0.353
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.07554 on 89 degrees of freedom
## Multiple R-squared:  0.009685, Adjusted R-squared: -0.001442
## F-statistic: 0.8704 on 1 and 89 DF, p-value: 0.3534

# run for source tanks only
J.lm.source <- lm(J.source ~ Number1, data = csi.div.source)
plot(J.lm.source)
```





```
summary(J.lm.source)
```

```
##
## Call:
## lm(formula = J.source ~ Number1, data = csi.div.source)
##
```

```
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.175479 -0.068755 -0.001504  0.057835  0.151961
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.63881    0.02725  23.441  <2e-16 ***
## Number12     0.03524    0.03773   0.934   0.361
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.09038 on 21 degrees of freedom
## Multiple R-squared:  0.03988,    Adjusted R-squared:  -0.005838
## F-statistic: 0.8723 on 1 and 21 DF,  p-value: 0.3609
```

```
anova(J.lm.source)
```

```
## Analysis of Variance Table
```

```
##
```

```
## Response: J.source
```

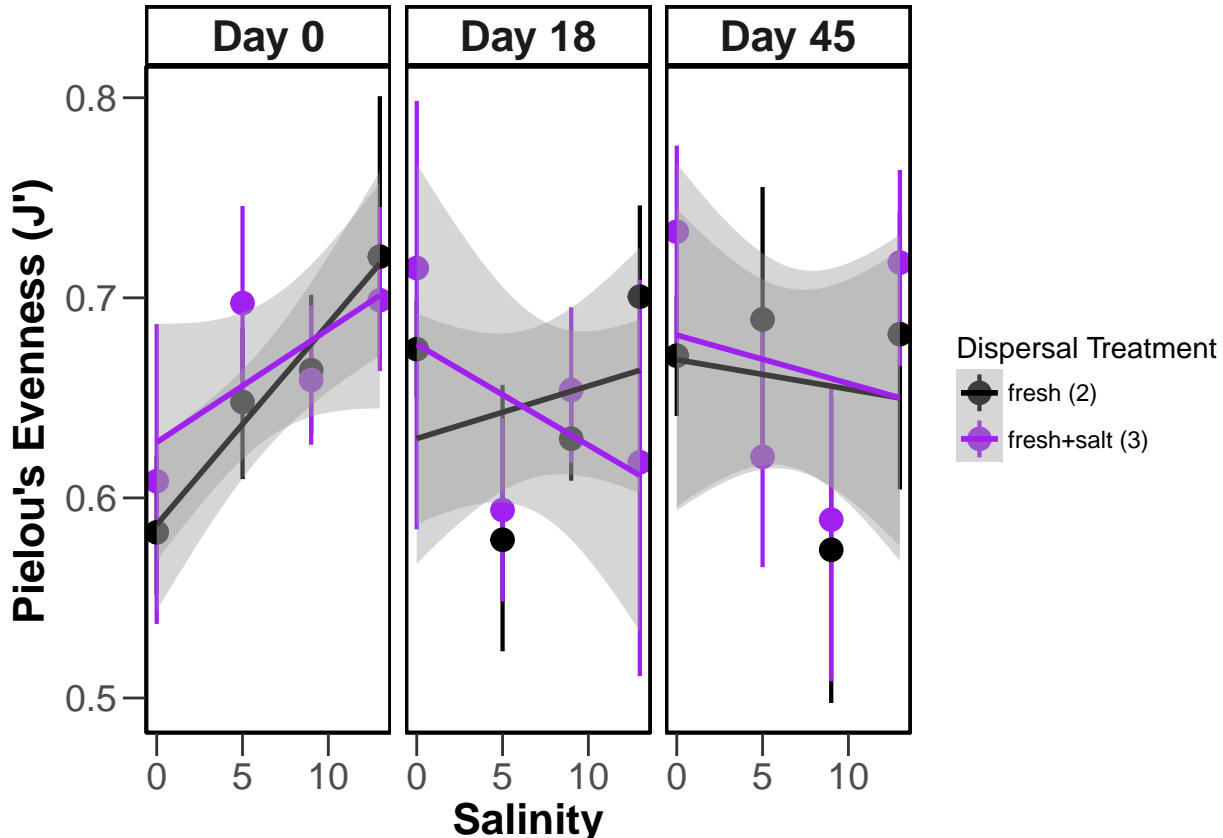
```
##           Df    Sum Sq   Mean Sq F value Pr(>F)
```

```
## Number1     1  0.007126  0.0071261   0.8723  0.3609
```

```
## Residuals  21  0.171556  0.0081693
```

```
# Graphing Pielous J - Treatment Salinity
```

```
p <- ggplot(csi_otu.div, aes(x=Salinity, y=J, color=as.factor(Dispersal)))+ scale_color_manual(name="Dispersal Treatment", values=c("black", "purple"))+
p1=p+geom_smooth(method="lm")+facet_wrap(~Date2)+facet_grid(. ~ Date2, labeller=labeler(Date2 = labels.Date2))
p1 + theme_bw() + theme(panel.grid.major = element_blank(), panel.grid.minor = element_blank(), axis.lin
```



```
ggsave("../figures/pielousj.pdf", plot=last_plot(), device=NULL, path=NULL, scale=1, width=NA, height=NA)
```

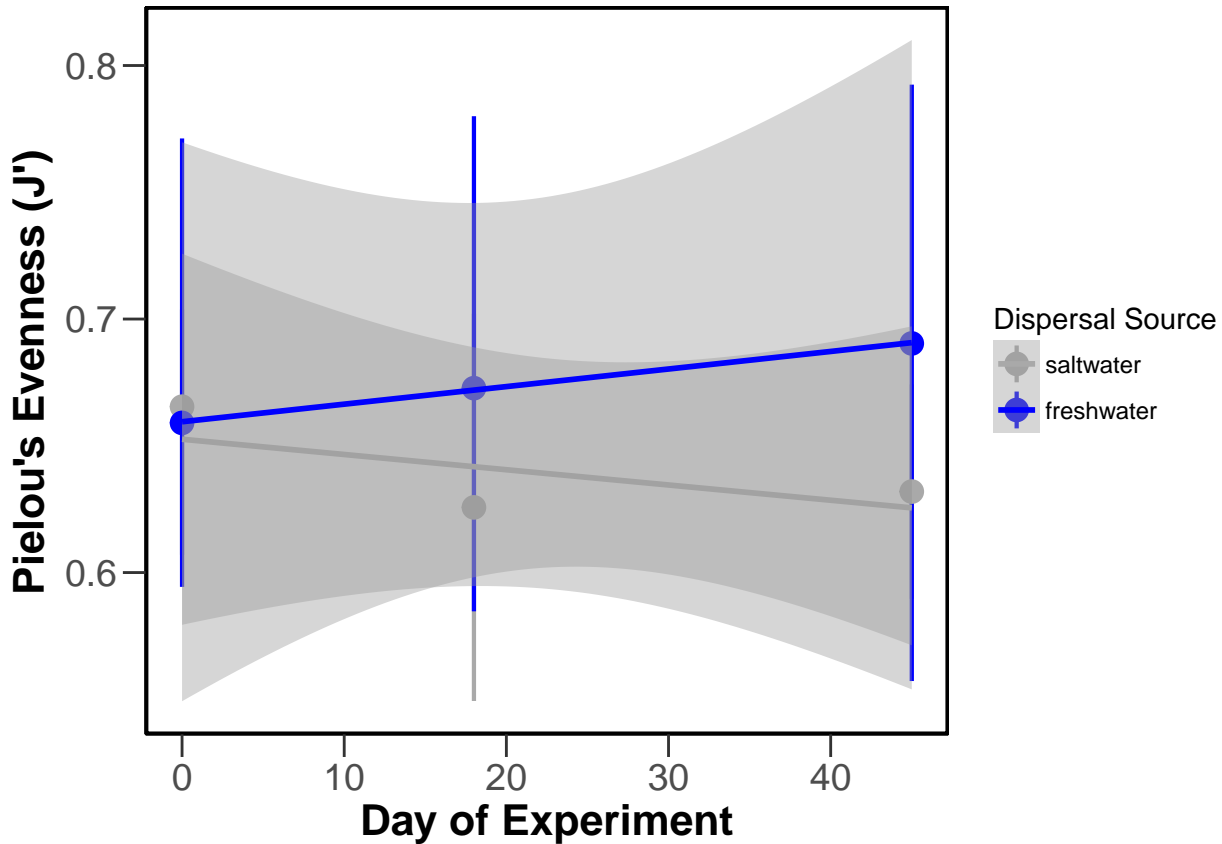
```
## Saving 6.5 x 4.5 in image
```

```
# Graphing Pielous J - Treatment Salinity SOURCE ONLY
```

```
p <- ggplot(csi.div.source, aes(x=Date2, y=J.source, color=as.factor(Number1)))+ scale_color_manual(name="Dispersal Source", values=c("saltwater", "freshwater"))
```

```
p1=p+geom_smooth(method="lm")
```

```
p1 + theme_bw() + theme(panel.grid.major = element_blank(), panel.grid.minor = element_blank(), axis.lim
```



```
ggsave("../figures/pielousj.source.pdf", plot=last_plot(), device=NULL, path=NULL, scale=1, width=NA, height=NA)
```

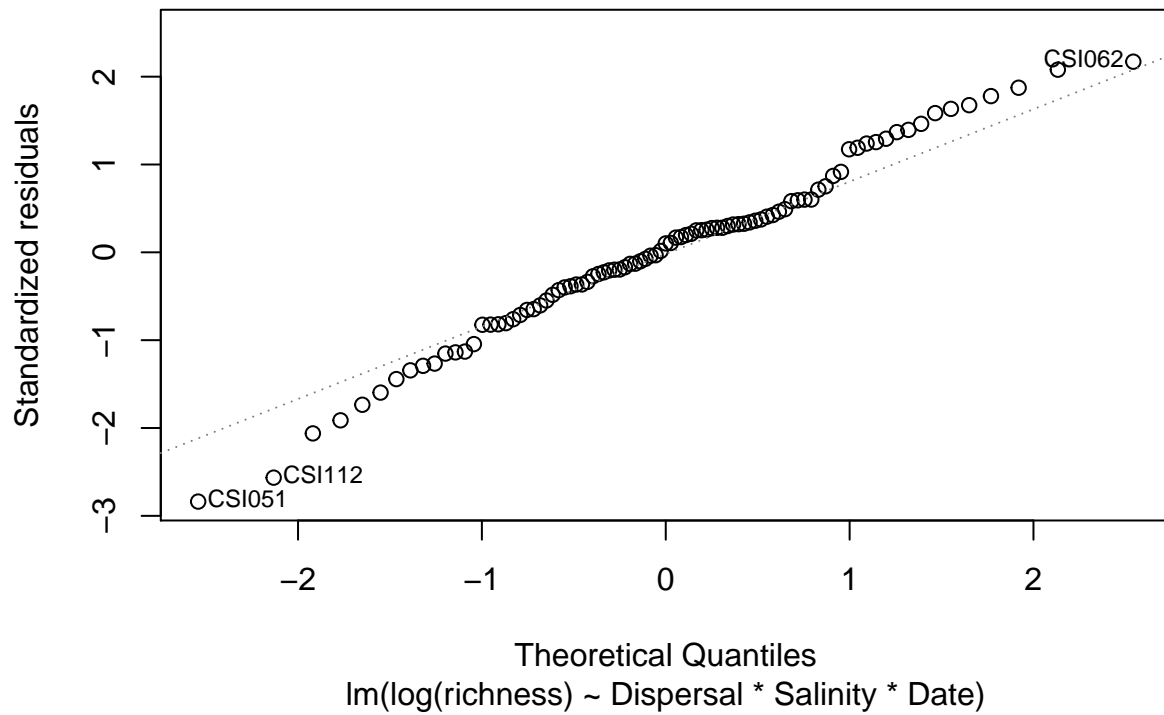
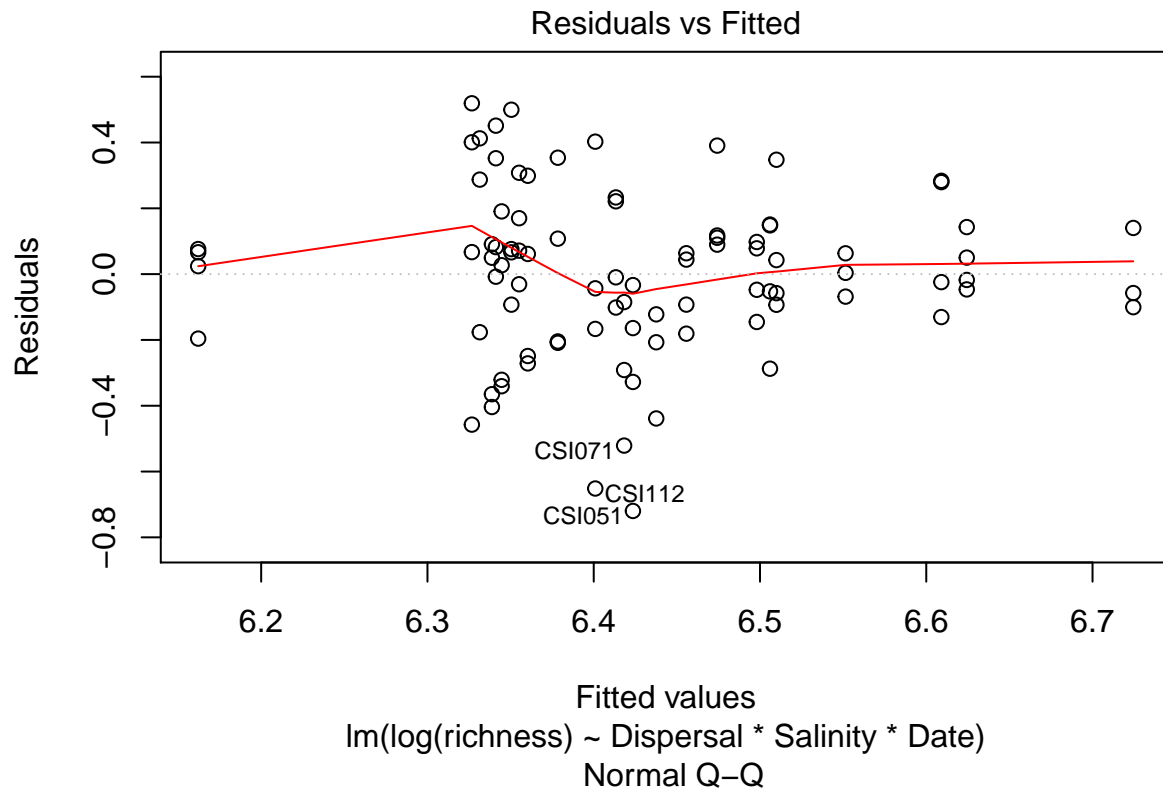
```
## Saving 6.5 x 4.5 in image
```

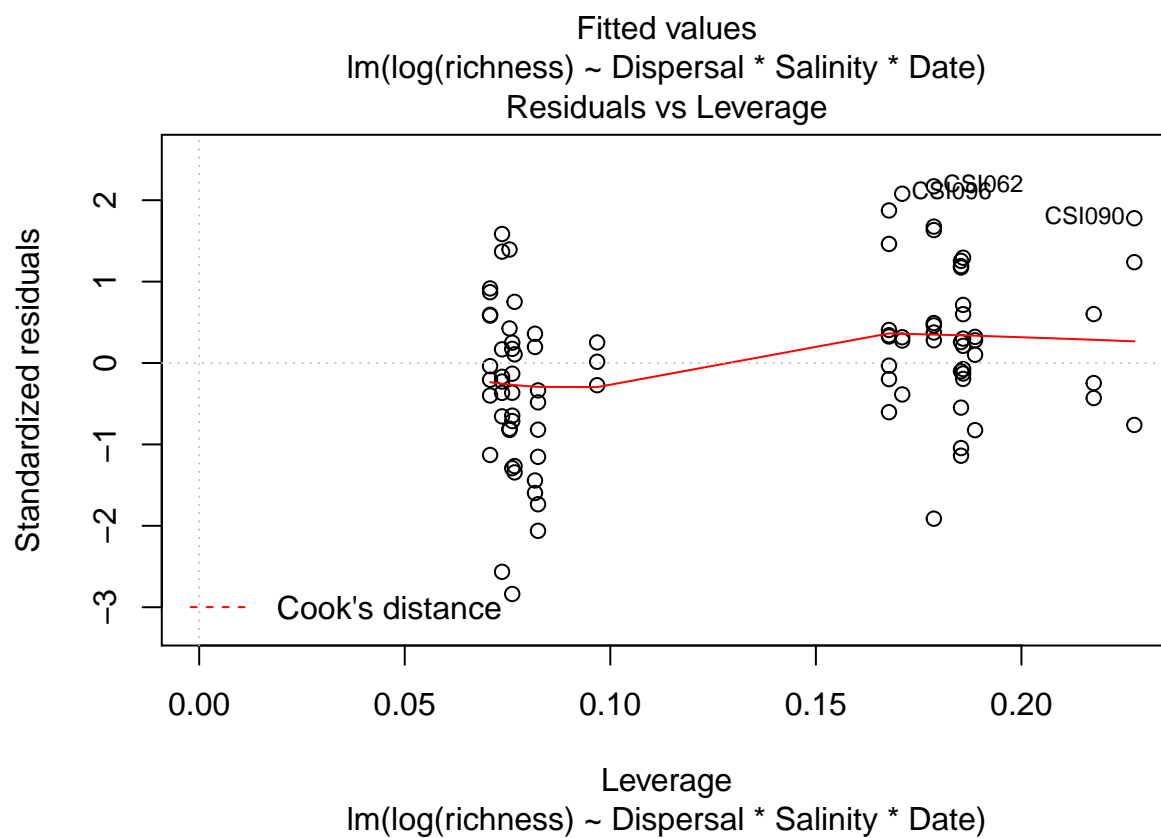
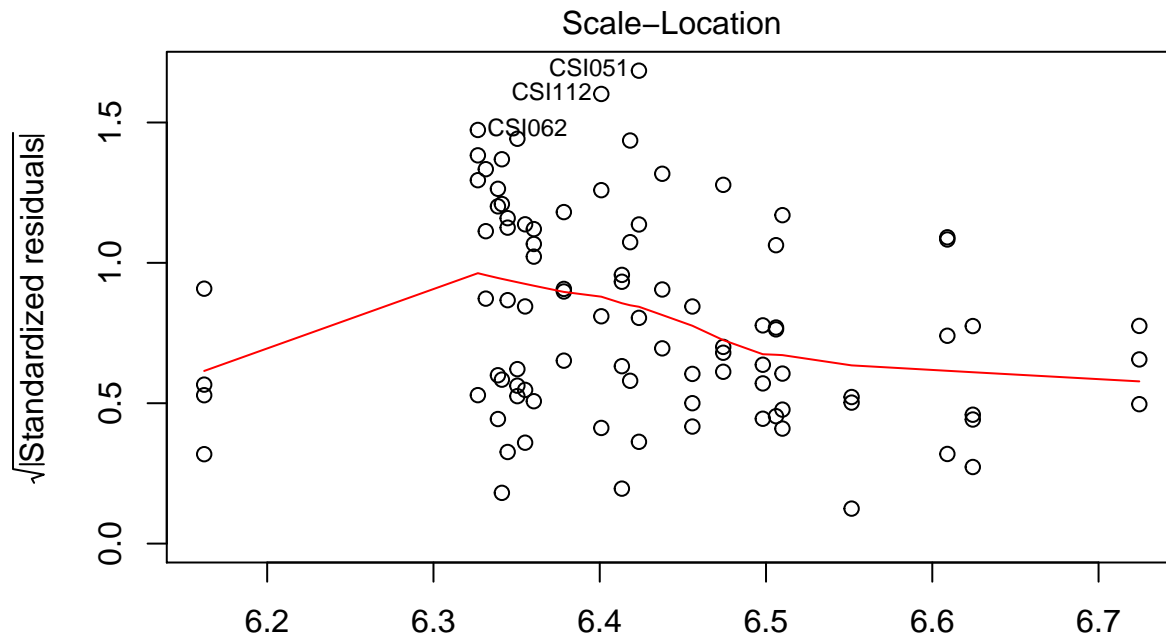
(3) How does salinity/dispersal/date influence bacterial richness?

```
# run full parametric statistical model
```

```
richness.lm <- lm(log(richness) ~ Dispersal*Salinity*Date, data = csi_otu.div)
```

```
plot(richness.lm)
```





```
richness.lm
```

```
##
## Call:
## lm(formula = log(richness) ~ Dispersal * Salinity * Date, data = csi_otu.div)
##
## Coefficients:
```

```
##              (Intercept)                Dispersal
##              5.76561                0.19825
##              Salinity                Date6/29/15
##              0.10860                0.63680
##              Date7/26/15                Dispersal:Salinity
##              0.88938                -0.03267
##              Dispersal:Date6/29/15                Dispersal:Date7/26/15
##              -0.22189                -0.21356
##              Salinity:Date6/29/15                Salinity:Date7/26/15
##              -0.08402                -0.13607
## Dispersal:Salinity:Date6/29/15 Dispersal:Salinity:Date7/26/15
##              0.02496                0.03496
```

```
anova(richness.lm)
```

```
## Analysis of Variance Table
```

```
##
```

```
## Response: log(richness)
```

```
##              Df Sum Sq Mean Sq F value    Pr(>F)
## Dispersal      1  0.0120  0.01203    0.1727  0.678830
## Salinity       1  0.0129  0.01287    0.1847  0.668498
## Date          2  0.1345  0.06725    0.9656  0.385219
## Dispersal:Salinity  1  0.0729  0.07293    1.0471  0.309293
## Dispersal:Date   2  0.0251  0.01254    0.1800  0.835593
## Salinity:Date    2  0.8250  0.41252    5.9227  0.004011 **
## Dispersal:Salinity:Date 2  0.1143  0.05714    0.8204  0.443968
## Residuals      79  5.5024  0.06965
```

```
## ---
```

```
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
# run linear regression measured salinity used instead of 'factor' salinity
```

```
richness.reg <- lm(richness~Salinity_real, data = csi_otu.div)
```

```
summary(richness.reg)
```

```
##
```

```
## Call:
```

```
## lm(formula = richness ~ Salinity_real, data = csi_otu.div)
```

```
##
```

```
## Residuals:
```

```
##      Min       1Q   Median       3Q      Max
## -344.65 -120.16  -11.76   117.43   357.79
```

```
##
```

```
## Coefficients:
```

```
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   626.105     31.084   20.142  <2e-16 ***
## Salinity_real    2.171       3.823    0.568    0.571
```

```
## ---
```

```
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
##
```

```
## Residual standard error: 166.8 on 89 degrees of freedom
```

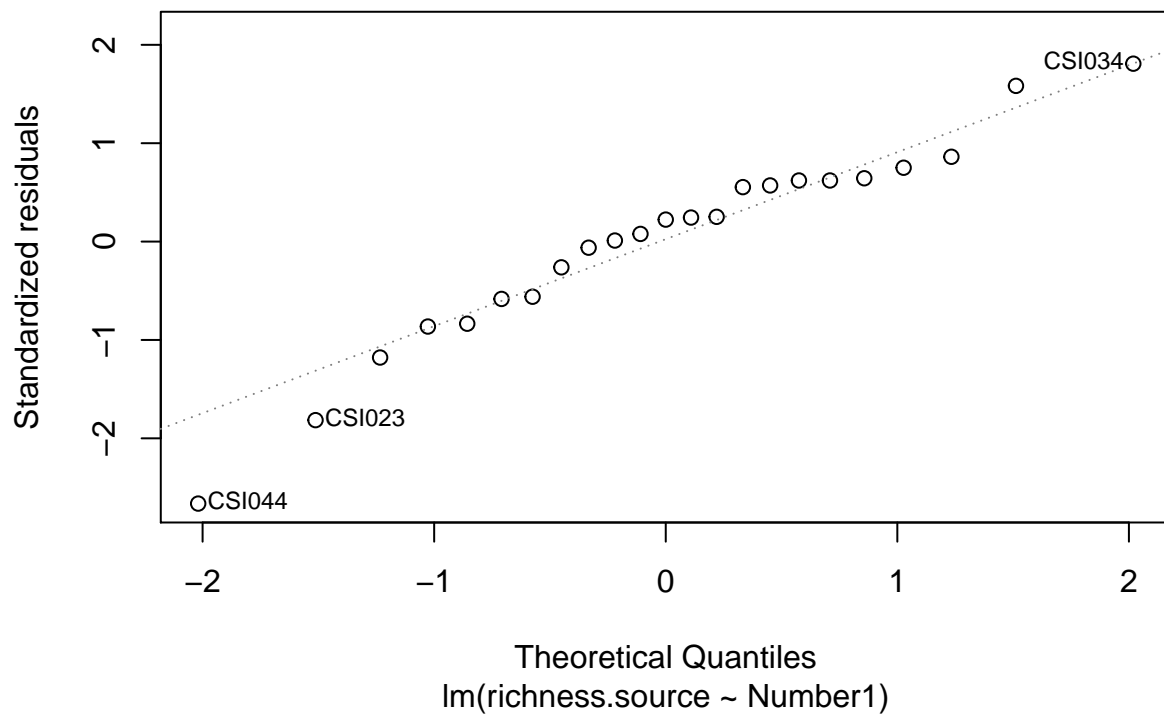
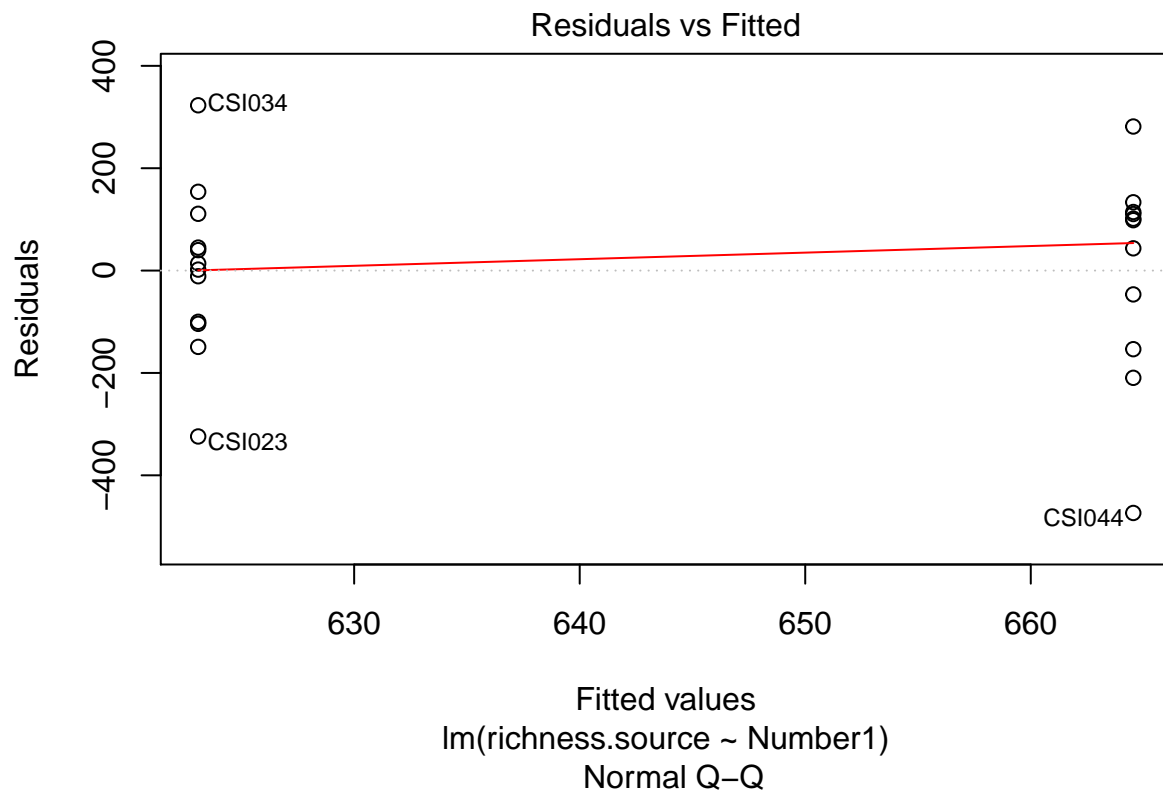
```
## Multiple R-squared:  0.003612,    Adjusted R-squared:  -0.007584
```

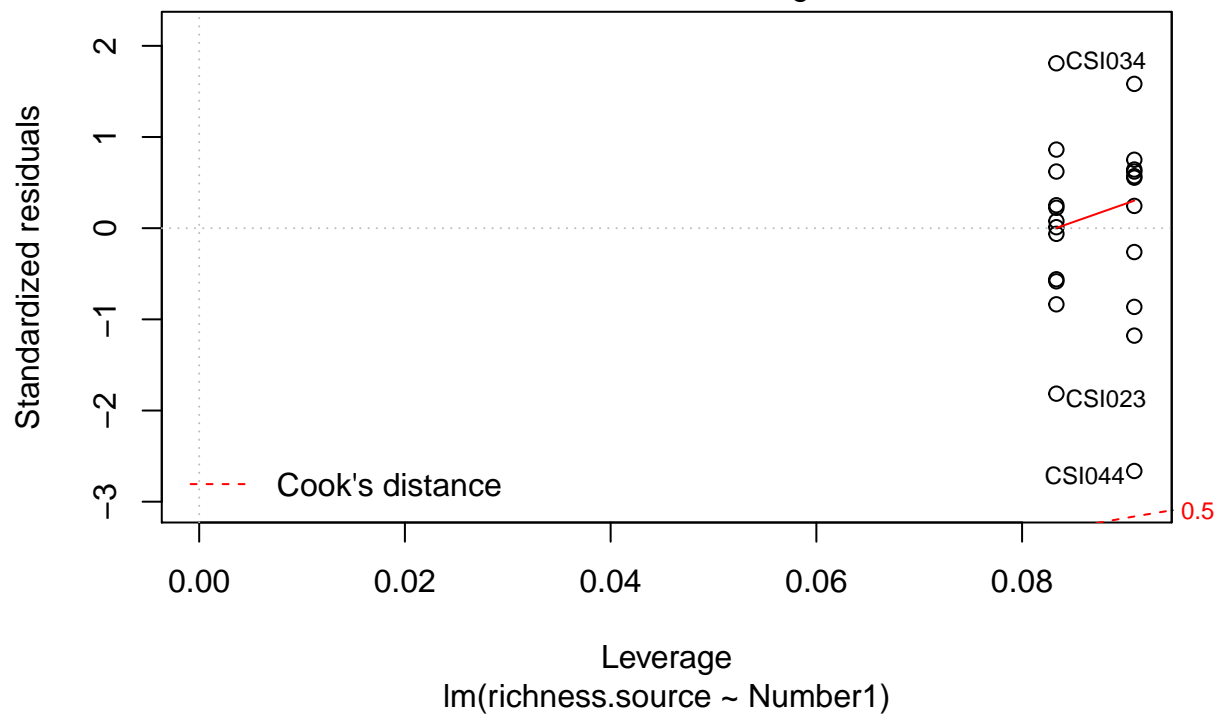
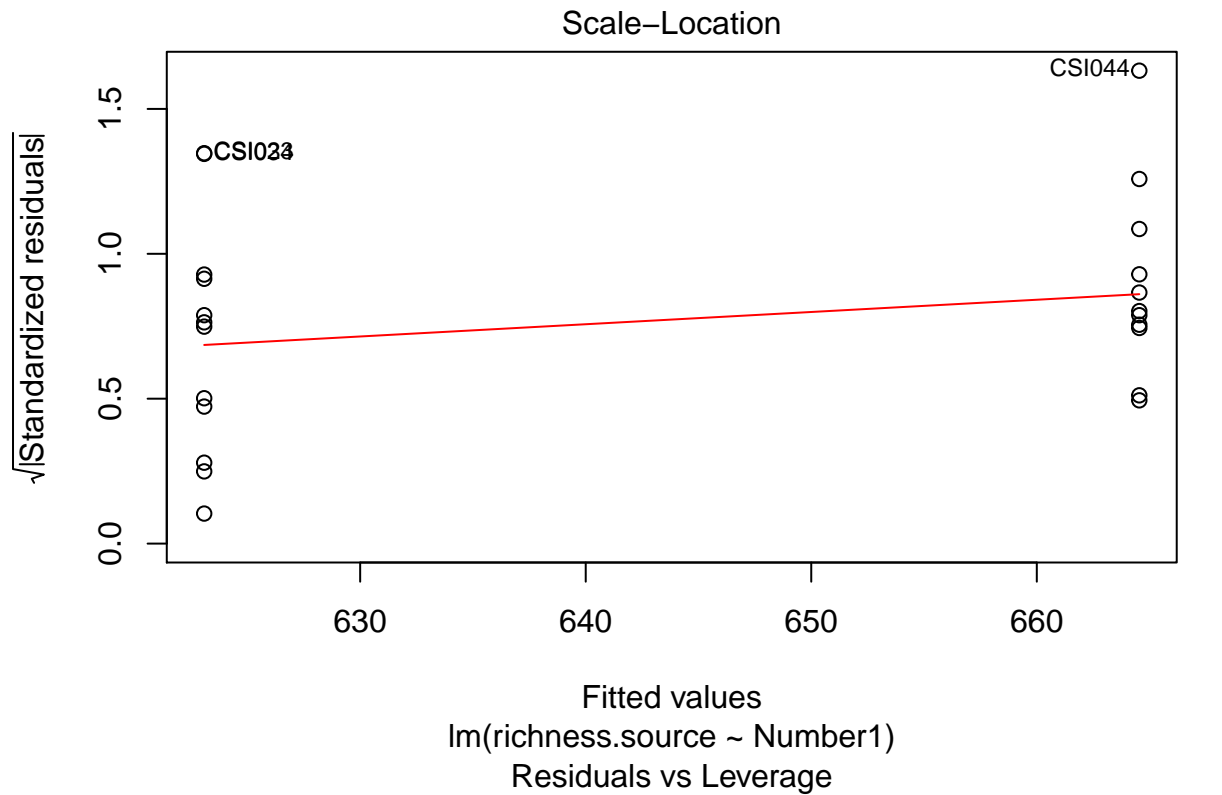
```
## F-statistic: 0.3226 on 1 and 89 DF,  p-value: 0.5715
```

```
# run for source tanks only
```

```
richness.lm.source <- lm(richness.source ~ Number1, data = csi.div.source)
```

```
plot(richness.lm.source)
```



```
summary(richness.lm.source)
```

```
##
## Call:
## lm(formula = richness.source ~ Number1, data = csi.div.source)
##
```

```
## Residuals:
##      Min       1Q   Median       3Q      Max
## -473.55 -102.08   39.92  110.69  322.92
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    664.55      56.23  11.818 9.65e-11 ***
## Number12       -41.46      77.85  -0.533    0.6
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 186.5 on 21 degrees of freedom
## Multiple R-squared:  0.01333,    Adjusted R-squared:  -0.03366
## F-statistic: 0.2837 on 1 and 21 DF,  p-value: 0.5999
```

```
richness.lm.source
```

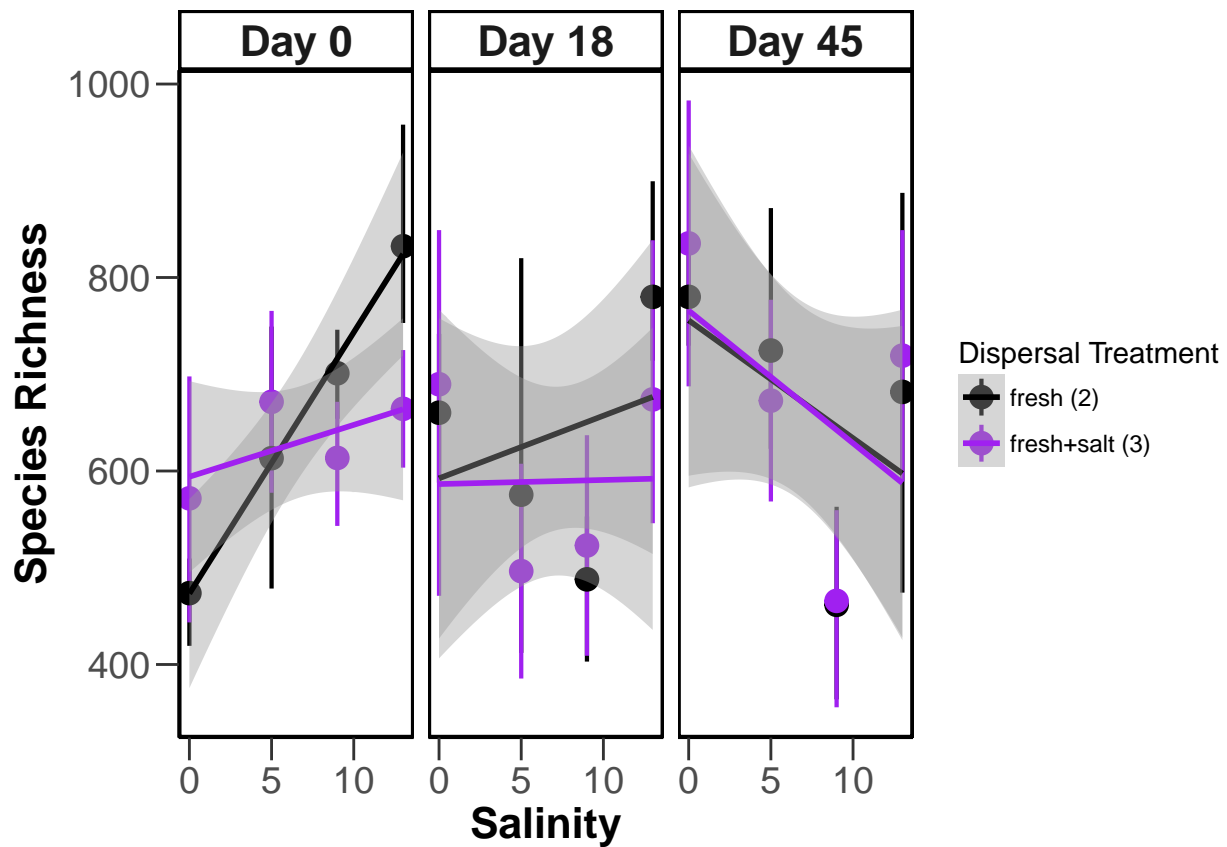
```
##
## Call:
## lm(formula = richness.source ~ Number1, data = csi.div.source)
##
## Coefficients:
## (Intercept)      Number12
##      664.55       -41.46
```

```
anova(richness.lm.source)
```

```
## Analysis of Variance Table
##
## Response: richness.source
##           Df Sum Sq Mean Sq F value Pr(>F)
## Number1    1  9866    9866  0.2837 0.5999
## Residuals 21 730404   34781
```

```
# Graphing richness - Treatment Salinity
```

```
p <- ggplot(csi_otu.div, aes(x=Salinity, y=richness, color=as.factor(Dispersal)))+ scale_color_manual(n
p1=p+geom_smooth(method="lm")+facet_wrap(~Date2)+facet_grid(. ~ Date2, labeller=labeller(Date2 = labels
p1 + theme_bw() + theme(panel.grid.major = element_blank(), panel.grid.minor = element_blank(), axis.lin
```



```
ggsave("../figures/richness.pdf", plot=last_plot(), device=NULL, path=NULL, scale=1, width=NA, height=NA)
```

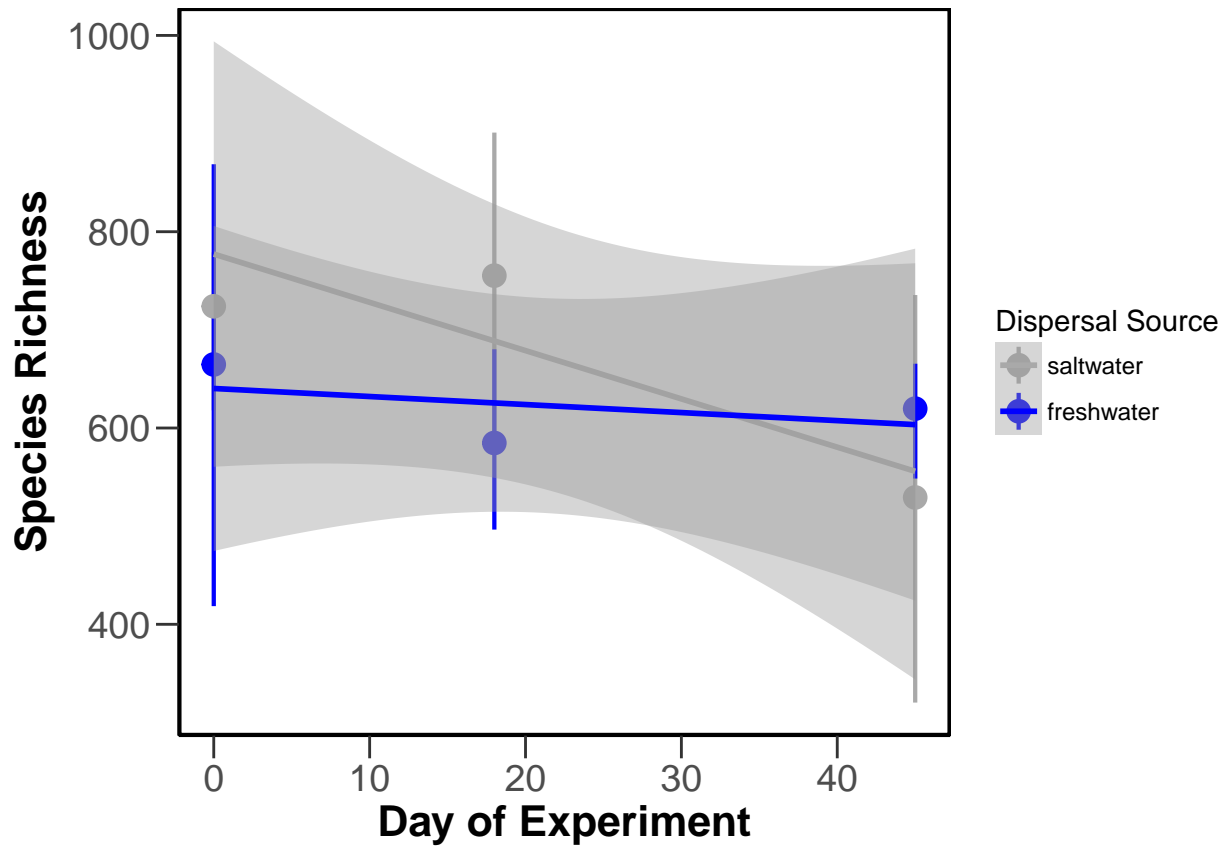
```
## Saving 6.5 x 4.5 in image
```

```
# Graphing richness - Treatment Salinity SOURCE ONLY
```

```
p <- ggplot(csi.div.source, aes(x=Date2, y=richness.source, color=as.factor(Number1)))+ scale_color_manual(values=c("black", "purple"))
```

```
p1=p+geom_smooth(method="lm")
```

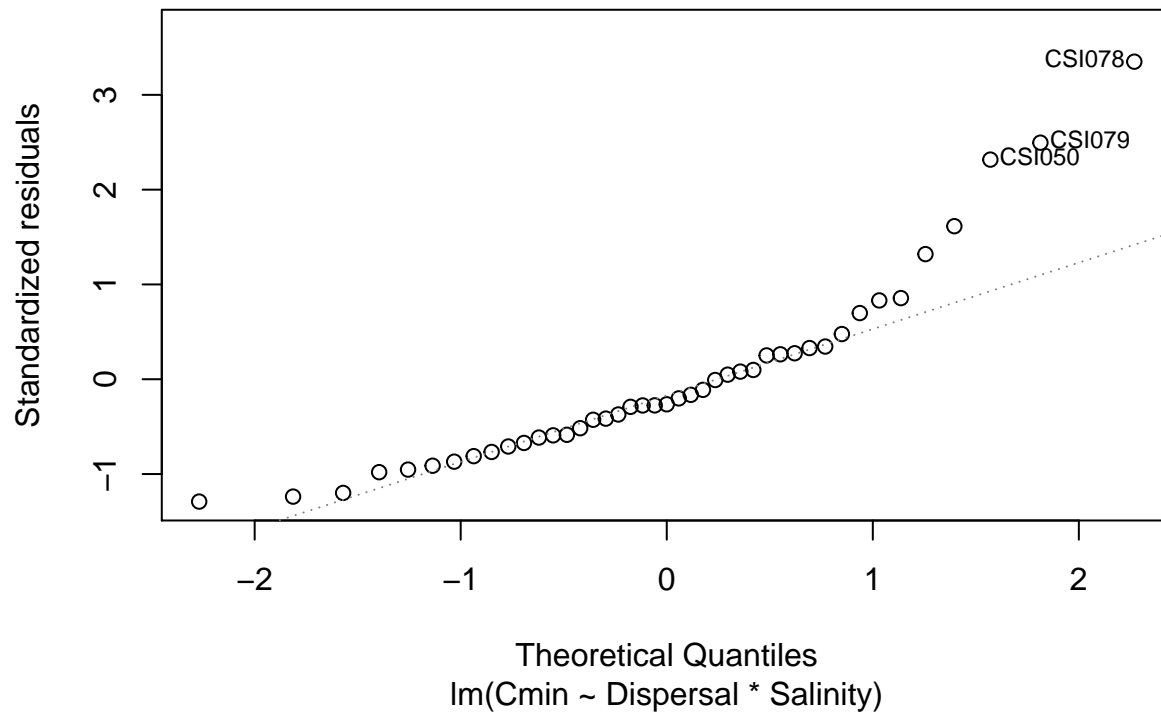
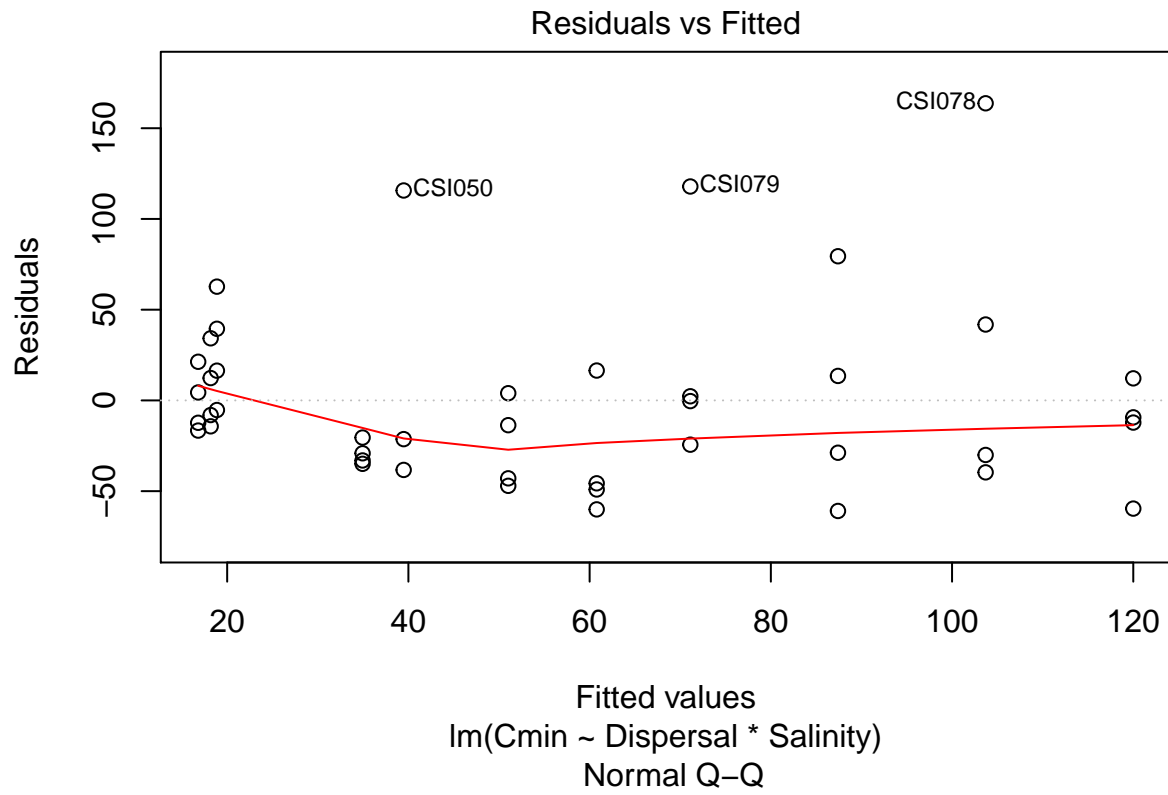
```
p1 + theme_bw() + theme(panel.grid.major = element_blank(), panel.grid.minor = element_blank(), axis.linetype = "solid")
```

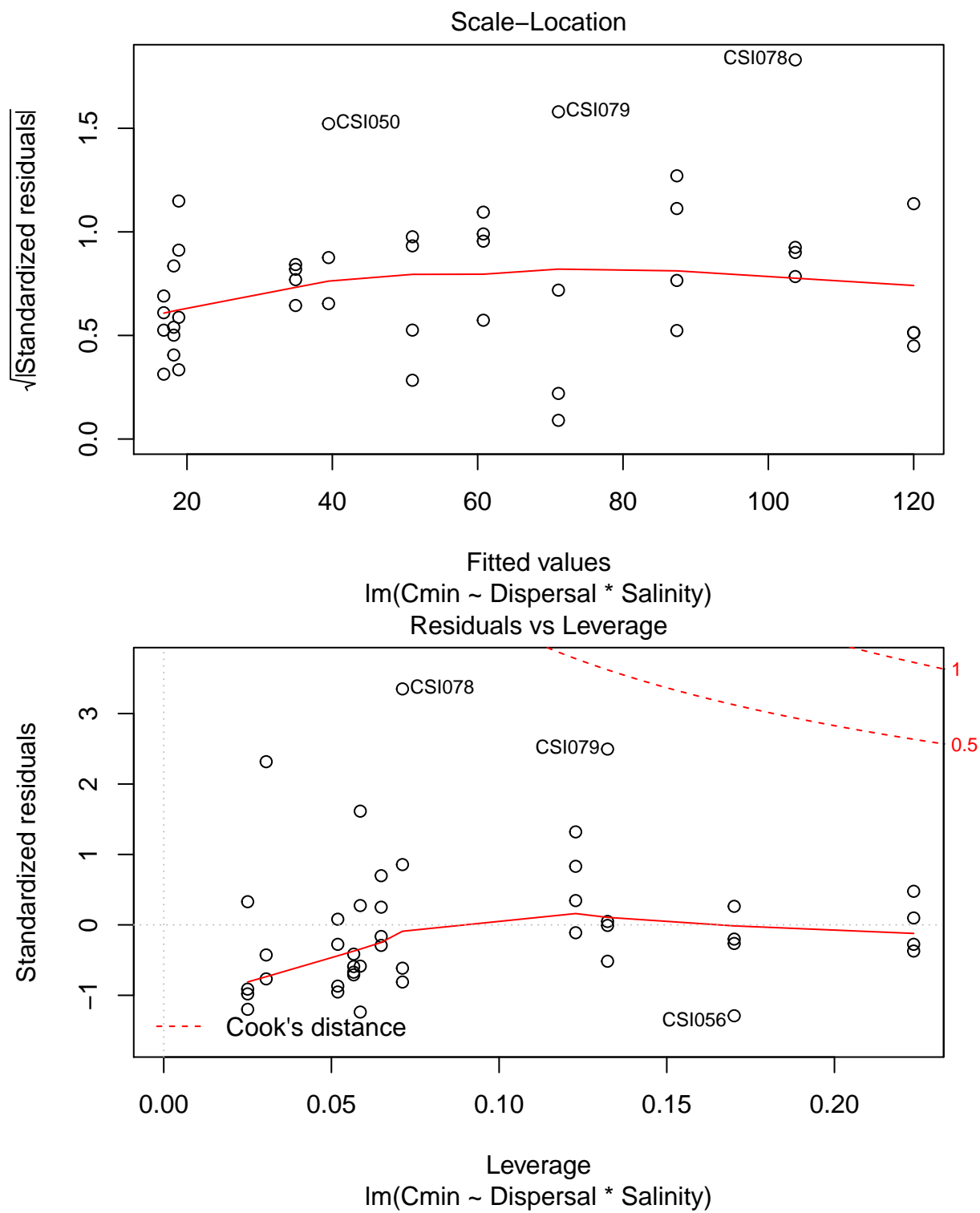


```
ggsave("../figures/richness.source.pdf", plot=last_plot(), device=NULL, path=NULL, scale=1, width=NA, height=NA)
```

Saving 6.5 x 4.5 in image

- (4) How does salinity and dispersal influence carbon mineralization rates? Calculate C mineralization rate (should be completed already in CSI shared folder) Graph C mineralization Run stat model $C_{min} \sim \text{dispersal} + \text{salinity} + \text{dispersal} * \text{salinity}$



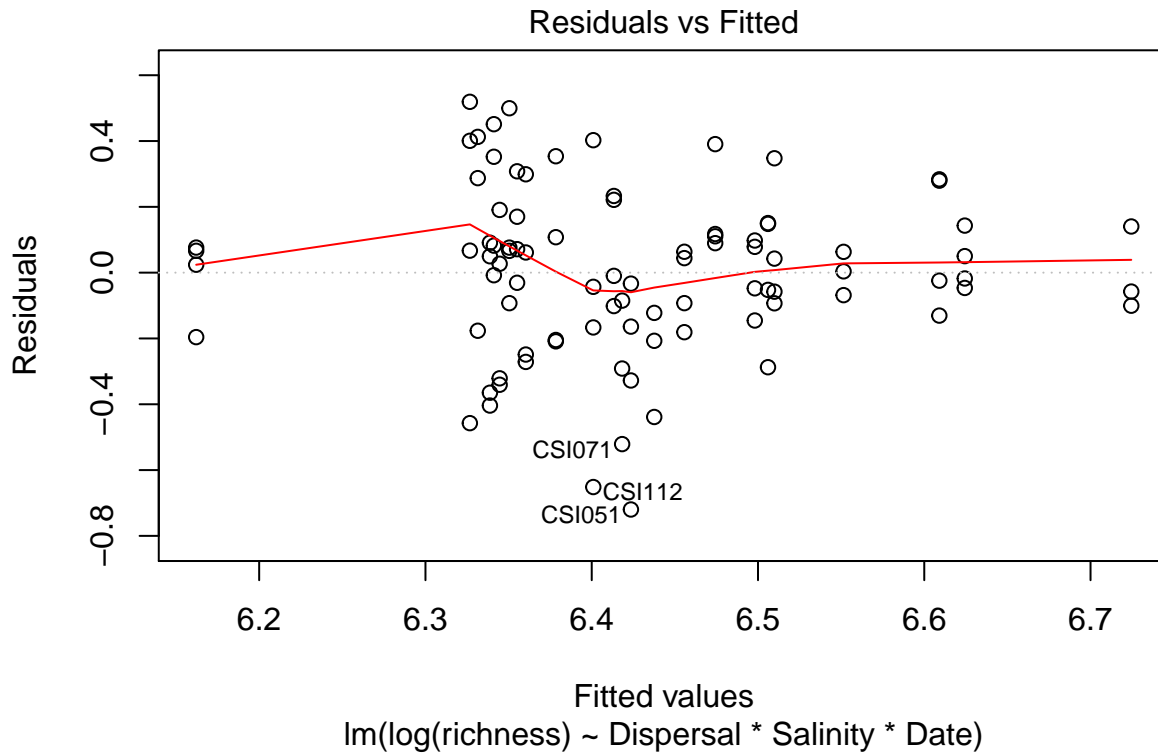


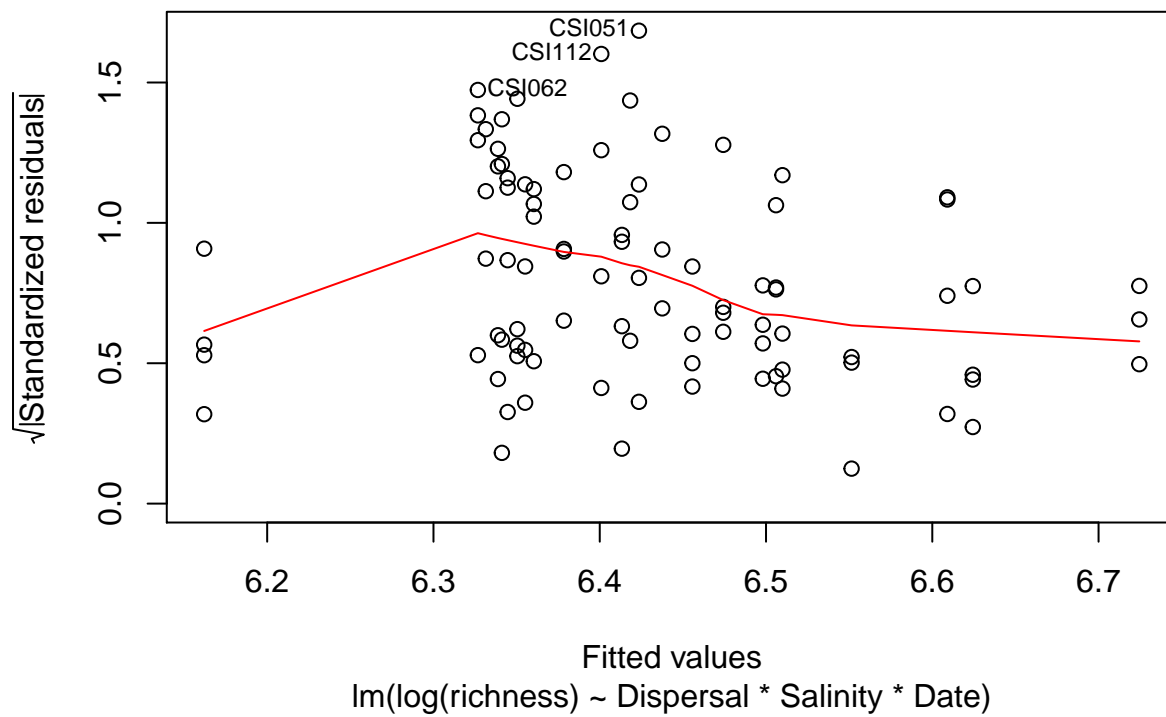
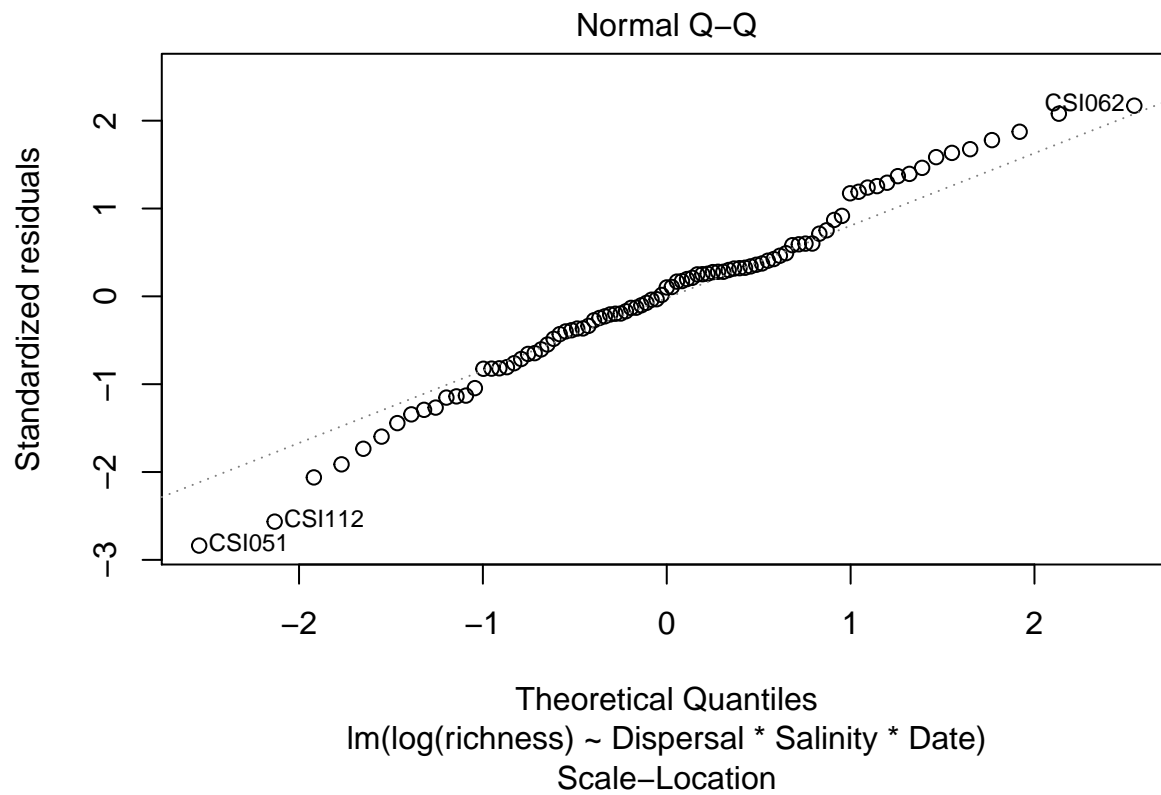
```
##
## Call:
## lm(formula = Cmin ~ Dispersal * Salinity, data = design.env.full)
##
## Coefficients:
##      (Intercept)      Dispersal      Salinity
```

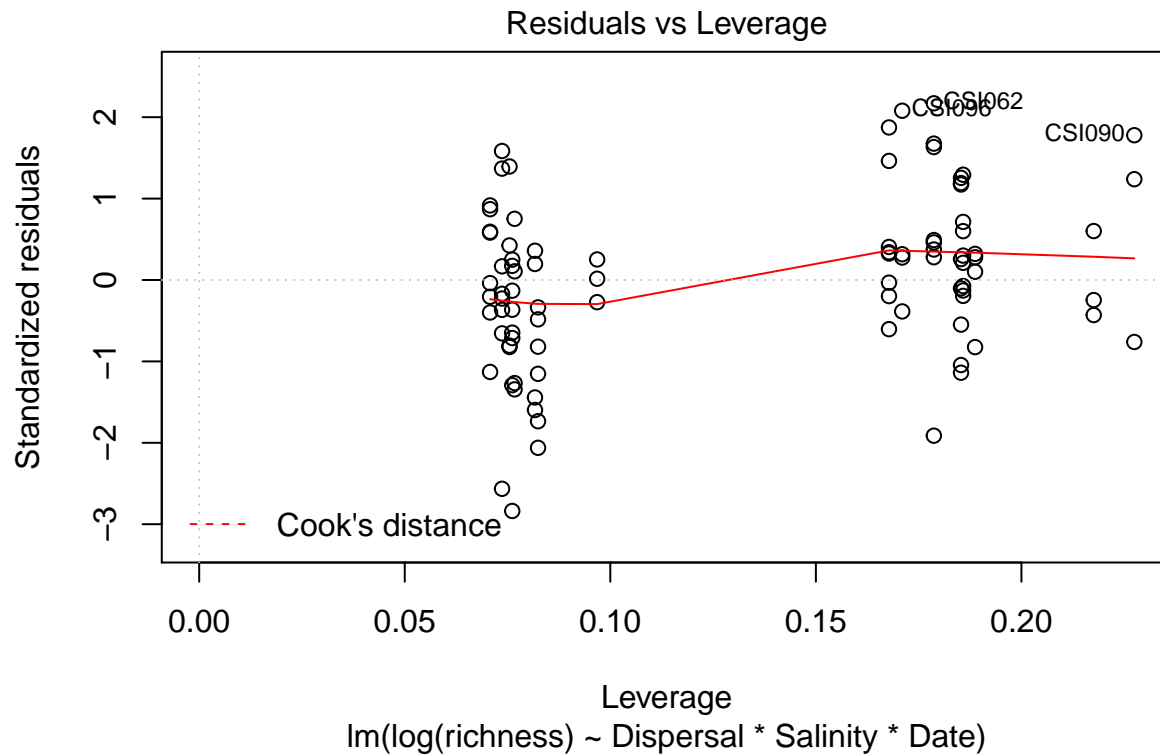
```
##          120.000          -16.295          -7.938
## Dispersal:Salinity
##          1.306

## Analysis of Variance Table
##
## Response: Cmin
##          Df Sum Sq Mean Sq F value    Pr(>F)
## Dispersal      1   6461     6461  2.5121 0.1210545
## Salinity        1  41108    41108 15.9828 0.0002756 ***
## Dispersal:Salinity 1   2902     2902  1.1283 0.2946673
## Residuals     39 100309     2572
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## [1]    91 13451
## [1]    31 13451
```







```
##
## Call:
## lm(formula = log(richness) ~ Dispersal * Salinity * Date, data = csi_otu.div)
##
## Coefficients:
##              (Intercept)              Dispersal
##              5.76561              0.19825
##              Salinity              Date6/29/15
##              0.10860              0.63680
##              Date7/26/15      Dispersal:Salinity
##              0.88938              -0.03267
##      Dispersal:Date6/29/15      Dispersal:Date7/26/15
##              -0.22189              -0.21356
##      Salinity:Date6/29/15      Salinity:Date7/26/15
##              -0.08402              -0.13607
## Dispersal:Salinity:Date6/29/15 Dispersal:Salinity:Date7/26/15
##              0.02496              0.03496
##
## Analysis of Variance Table
##
## Response: log(richness)
##
##              Df Sum Sq Mean Sq F value    Pr(>F)
## Dispersal      1  0.0120  0.01203    0.1727  0.678830
## Salinity        1  0.0129  0.01287    0.1847  0.668498
## Date            2  0.1345  0.06725    0.9656  0.385219
## Dispersal:Salinity  1  0.0729  0.07293    1.0471  0.309293
## Dispersal:Date    2  0.0251  0.01254    0.1800  0.835593
## Salinity:Date     2  0.8250  0.41252    5.9227  0.004011 **
## Dispersal:Salinity:Date  2  0.1143  0.05714    0.8204  0.443968
## Residuals      79  5.5024  0.06965
```

```

## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

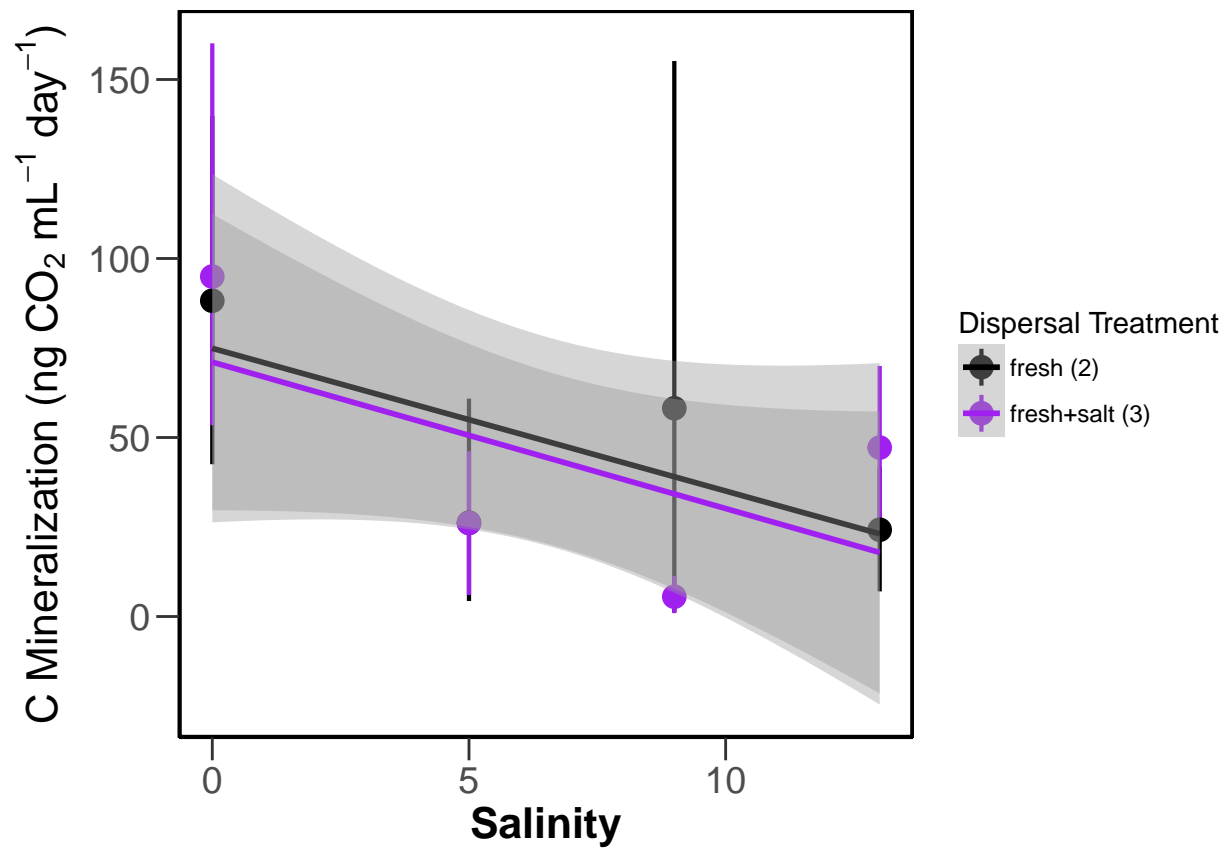
##
## Call:
## lm(formula = Cmin ~ Dispersal * Salinity, data = csi.full.ns.Cmin)
##
## Coefficients:
##      (Intercept)      Dispersal      Salinity
##      82.6185      -3.8559      -3.7776
## Dispersal:Salinity
##      -0.1041

## Analysis of Variance Table
##
## Response: Cmin
##           Df Sum Sq Mean Sq F value Pr(>F)
## Dispersal    1    206   205.8   0.0874 0.76974
## Salinity      1  12012 12011.7   5.1015 0.03219 *
## Dispersal:Salinity 1     2     2.0   0.0008 0.97699
## Residuals    27  63572  2354.5

## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

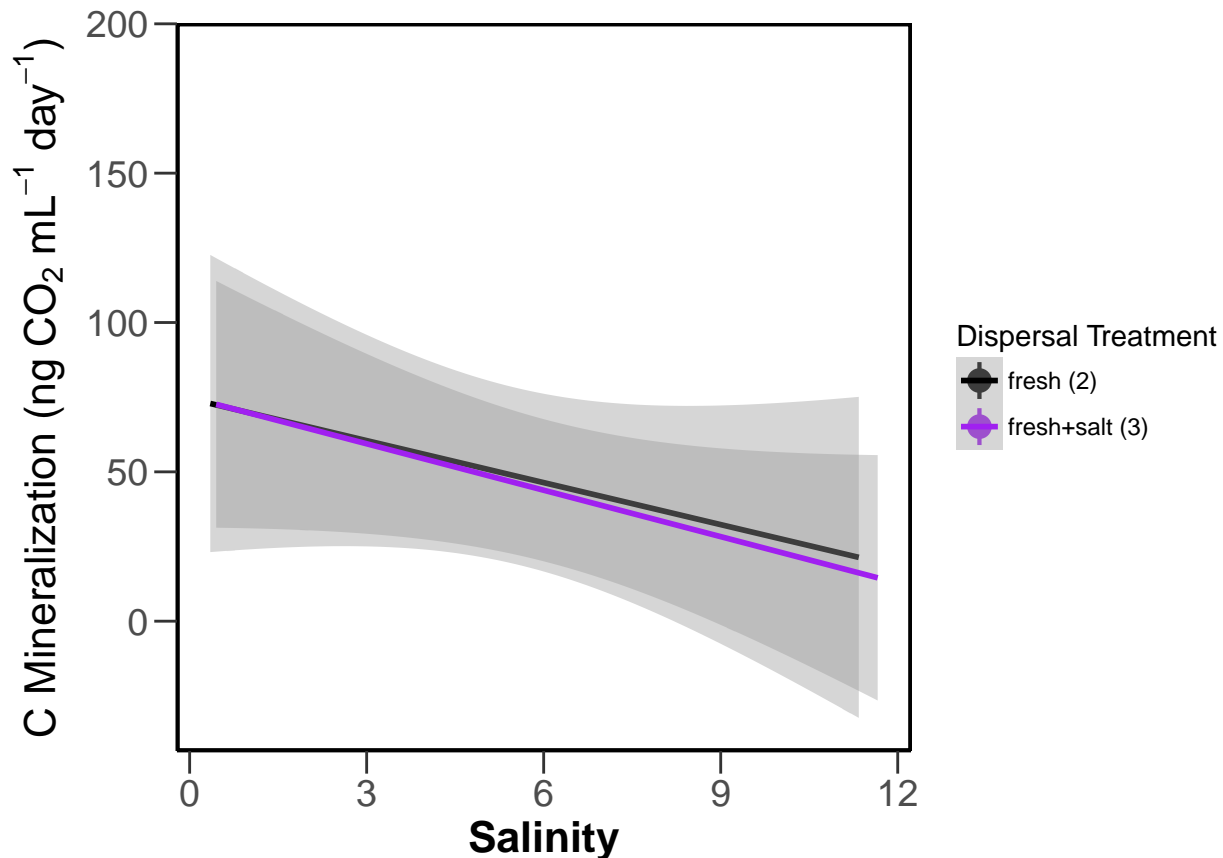
##
## Call:
## lm(formula = Cmin ~ Salinity_real, data = csi.full.ns.Cmin)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -51.84 -31.68 -15.30   20.82  118.96
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    74.849     15.137   4.945 2.96e-05 ***
## Salinity_real  -4.973       2.161  -2.301  0.0288 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 47.01 on 29 degrees of freedom
## Multiple R-squared:  0.1544, Adjusted R-squared:  0.1252
## F-statistic: 5.295 on 1 and 29 DF,  p-value: 0.02877

```



Saving 6.5 x 4.5 in image

Warning: Removed 31 rows containing missing values (geom_pointrange).



```
## Saving 6.5 x 4.5 in image
```

```
## Warning: Removed 31 rows containing missing values (geom_pointrange).
```

- (6) How does salinity and dispersal influence bacterial community composition? (this should be done - just combine with your Rmd file and double check) -Complete with source tanks -Complete without source tanks (SFS poster code) Revisit original data set and include source tanks to Rmd file - still waiting on full env data from Jo Werba Graph PCoA ordination (include source tanks) - salinity=colors, date=shapes, label source tanks Run PERMANOVA to test bacterial community ~ salinity + dispersal + salinity*dispersal

```
## Loading required package: labdsv
```

```
## Loading required package: mgcv
```

```
## Warning: package 'mgcv' was built under R version 3.2.5
```

```
## This is mgcv 1.8-17. For overview type 'help("mgcv-package")'.
```

```
##
```

```
## Attaching package: 'mgcv'
```

```
## The following object is masked from 'package:futile.logger':
```

```
##
```

```
## scat
```

```
## Loading required package: cluster
```

```
## Warning: package 'cluster' was built under R version 3.2.5
```

```
##
```

```
## Attaching package: 'labdsv'
```

```

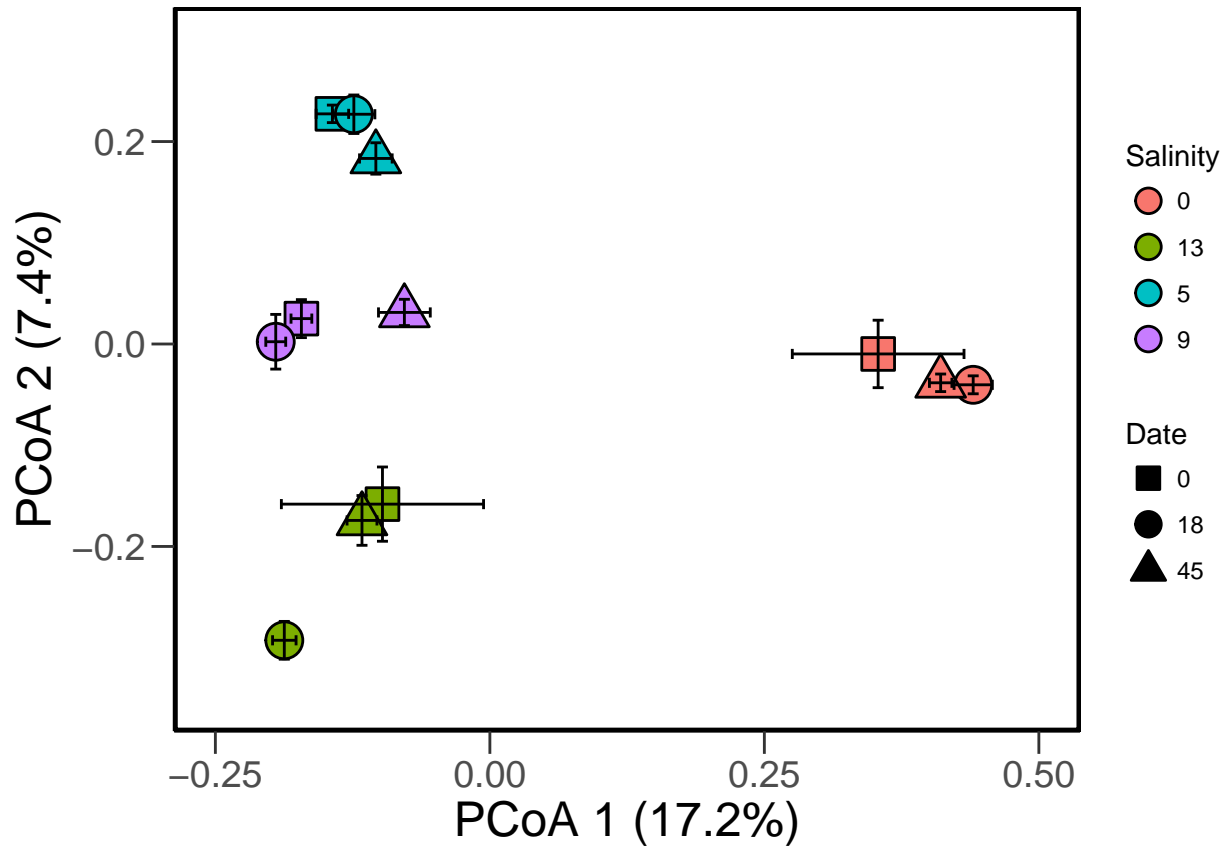
## The following objects are masked from 'package:ecodist':
##
##   nmds, pco
## The following object is masked from 'package:stats':
##
##   density
##
## Call:
## adonis(formula = csi.full.ns[, -c(1:16)] ~ Date2 * Dispersal *      Salinity, data = csi.full.ns, pe
##
## Permutation: free
## Number of permutations: 1000
##
## Terms added sequentially (first to last)
##
##              Df SumsOfSqs MeanSqs F.Model      R2    Pr(>F)
## Date2          1     1.781  1.7812  5.5846 0.05232 0.000999 ***
## Dispersal       1     0.248  0.2482  0.7783 0.00729 0.795205
## Salinity        1     3.905  3.9045 12.2420 0.11469 0.000999 ***
## Date2:Dispersal 1     0.162  0.1617  0.5070 0.00475 1.000000
## Date2:Salinity   1     0.917  0.9172  2.8759 0.02694 0.001998 **
## Dispersal:Salinity 1     0.297  0.2966  0.9298 0.00871 0.519481
## Date2:Dispersal:Salinity 1     0.263  0.2632  0.8251 0.00773 0.703297
## Residuals       83    26.472  0.3189          0.77757
## Total           90    34.045          1.00000
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## [1] 17.2
## [1] 7.4

```

PCoA Plot Design without Source

```
## [1] TRUE
```

Plot (ggplot)



Saving 6.5 x 4.5 in image

PCoA sources only

```
##          CSI_ID      Date Date2 Replicate Number      Tank_Name
## CSI001 ECU_CSI_001 11-Jun-15      0         A         1 A1_2015-June11
## CSI012 ECU_CSI_012 11-Jun-15      0         B         1 B1_2015-June11
## CSI022 ECU_CSI_023 11-Jun-15      0         C         1 C1_2015-June11
## CSI044 ECU_CSI_221 26-Jul-15     45         A         1 A1_2015-July25
## CSI055 ECU_CSI_232 26-Jul-15     45         B         1 B1_2015-July25
## CSI065 ECU_CSI_243 26-Jul-15     45         C         1 C1_2015-July25
## CSI076 ECU_CSI_254 26-Jul-15     45         D         1 D1_2015-July25
##          Salinity Dispersal   Otu00001   Otu00002   Otu00003
## CSI001         13 Source13 0.04083212 2.345326e-05 8.499461e-02
## CSI012         13 Source13 0.06285793 2.932450e-04 5.882150e-03
## CSI022         13 Source13 0.06499849 6.454667e-05 3.068118e-02
## CSI044         13 Source13 0.04923010 0.000000e+00 1.971570e-05
## CSI055         13 Source13 0.03169037 0.000000e+00 4.302833e-05
## CSI065         13 Source13 0.07223630 1.512802e-04 2.987784e-03
## CSI076         13 Source13 0.08660461 0.000000e+00 5.766896e-02
##          Otu00004   Otu00005   Otu00006   Otu00007   Otu00008
## CSI001 3.044233e-02 0.0196303767 0.0019466204 4.456119e-04 0.000000e+00
## CSI012 3.900159e-02 0.0061926447 0.0014834748 1.207479e-04 8.624853e-05
```

```

## CSI022 2.730324e-02 0.0100047334 0.0032488489 9.897156e-04 0.000000e+00
## CSI044 1.971570e-05 0.0216084068 0.1359200331 1.971570e-05 0.000000e+00
## CSI055 1.979303e-03 0.0213635679 0.0262042555 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00 0.1233311902 0.0740516622 0.000000e+00 0.000000e+00
## CSI076 5.000867e-03 0.0239058796 0.0442851362 2.890675e-05 0.000000e+00
##      0tu00009      0tu00010      0tu00011      0tu00012      0tu00013
## CSI001 2.251513e-03 1.747268e-02 1.644073e-02 0.004104320 4.198133e-03
## CSI012 7.244877e-04 5.951149e-03 2.230387e-02 0.005243911 1.198855e-02
## CSI022 1.183356e-03 3.246697e-02 2.297861e-02 0.030250871 4.539782e-03
## CSI044 0.000000e+00 2.405315e-03 9.719840e-03 0.001498393 1.971570e-05
## CSI055 5.905639e-02 5.686194e-02 1.204793e-03 0.001333878 2.151417e-05
## CSI065 0.000000e+00 0.000000e+00 2.080103e-03 0.018304905 3.782005e-05
## CSI076 3.396543e-02 5.781349e-05 2.283633e-03 0.001127363 0.000000e+00
##      0tu00014      0tu00015      0tu00016      0tu00017      0tu00018
## CSI001 0.0004690652 0.0015479150 0.0018293541 0.000000e+00 7.505042e-04
## CSI012 0.0008969848 0.0112295591 0.0016904713 0.000000e+00 9.142345e-04
## CSI022 0.0094022979 0.0118981023 0.0009466845 0.000000e+00 2.194587e-03
## CSI044 0.0000000000 0.0020307171 0.4356775300 0.000000e+00 1.971570e-05
## CSI055 0.0033562101 0.0094662335 0.0001505992 0.000000e+00 2.119576e-01
## CSI065 0.0000000000 0.0078665709 0.0010967815 0.000000e+00 2.647404e-04
## CSI076 0.0009828294 0.0116205122 0.0000000000 2.890675e-05 2.890675e-05
##      0tu00019      0tu00020      0tu00021      0tu00022      0tu00023
## CSI001 2.978564e-03 2.345326e-05 0.000000e+00 0.0767859656 6.449646e-03
## CSI012 2.984199e-03 1.724971e-05 0.000000e+00 0.0644794039 2.130339e-02
## CSI022 1.318904e-02 2.151556e-05 2.797022e-04 0.0315633203 3.775980e-02
## CSI044 4.140297e-04 0.000000e+00 1.971570e-04 0.0003154512 0.000000e+00
## CSI055 4.776145e-03 0.000000e+00 0.000000e+00 0.0016565909 0.000000e+00
## CSI065 1.588442e-03 0.000000e+00 0.000000e+00 0.0004160206 3.782005e-05
## CSI076 7.486847e-03 0.000000e+00 0.000000e+00 0.0002890675 2.023472e-04
##      0tu00024      0tu00025      0tu00026      0tu00027      0tu00028
## CSI001 0.000000e+00 4.925184e-04 0.000000e+00 3.752521e-04 0.0046671983
## CSI012 0.000000e+00 8.624853e-05 1.724971e-05 5.174912e-05 0.0188366798
## CSI022 0.000000e+00 6.454667e-04 0.000000e+00 1.327510e-02 0.0044322045
## CSI044 0.000000e+00 2.109580e-03 0.000000e+00 3.943140e-05 0.0001774413
## CSI055 2.151417e-05 2.151417e-04 0.000000e+00 2.151417e-05 0.0131021278
## CSI065 0.000000e+00 5.975568e-03 0.000000e+00 3.286563e-02 0.0004160206
## CSI076 1.156270e-04 0.000000e+00 1.387524e-03 1.734405e-04 0.0079782621
##      0tu00029      0tu00030      0tu00031      0tu00032      0tu00033
## CSI001 0.008818425 2.345326e-05 0.000000e+00 2.415686e-03 0.000000e+00
## CSI012 0.008003864 3.449941e-05 0.000000e+00 1.875043e-02 5.174912e-05
## CSI022 0.031541805 2.151556e-05 0.000000e+00 2.108524e-03 2.151556e-05
## CSI044 0.046193884 1.971570e-05 1.971570e-05 1.971570e-05 0.000000e+00
## CSI055 0.002215959 2.151417e-05 0.000000e+00 0.000000e+00 6.454250e-05
## CSI065 0.051246171 0.000000e+00 3.782005e-05 0.000000e+00 0.000000e+00
## CSI076 0.009972828 0.000000e+00 0.000000e+00 0.000000e+00 2.890675e-05
##      0tu00034      0tu00035      0tu00036      0tu00037      0tu00038
## CSI001 0.0026971246 4.273184e-02 0.000000e+00 0.000000e+00 2.110793e-03
## CSI012 0.0008107362 6.803284e-02 3.449941e-05 0.000000e+00 9.314842e-04
## CSI022 0.0008391067 2.261285e-02 2.151556e-05 0.000000e+00 3.571582e-03
## CSI044 0.0000197157 3.174228e-03 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 0.0030980401 7.529958e-04 0.000000e+00 0.000000e+00 8.605667e-05
## CSI065 0.0015884422 3.782005e-05 0.000000e+00 0.000000e+00 4.727507e-03
## CSI076 0.0021680060 1.240099e-02 2.890675e-05 0.000000e+00 4.249292e-03
##      0tu00039      0tu00040      0tu00041      0tu00042      0tu00043

```



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## CSI001 5.863314e-04 2.345326e-05 4.690652e-05 0.000000e+00 0.000000e+00
## CSI012 7.108604e-02 0.000000e+00 1.017733e-03 1.724971e-05 3.449941e-05
## CSI022 4.690391e-03 2.151556e-05 4.303111e-05 2.151556e-05 1.075778e-04
## CSI044 0.000000e+00 1.971570e-05 3.943140e-05 0.000000e+00 0.000000e+00
## CSI055 2.151417e-05 2.151417e-05 0.000000e+00 2.151417e-05 4.733117e-04
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076 5.781349e-05 5.781349e-05 1.242990e-03 0.000000e+00 1.156270e-04
##      0tu00044      0tu00045 0tu00046      0tu00047 0tu00048
## CSI001 0.0000000000 0.0008443173      0 1.536188e-02      0
## CSI012 0.0004139930 0.0012937280      0 5.709653e-03      0
## CSI022 0.0012263867 0.0207625113      0 9.466845e-04      0
## CSI044 0.0000394314 0.0000000000      0 0.000000e+00      0
## CSI055 0.0003442267 0.0000000000      0 1.527506e-02      0
## CSI065 0.0138043190 0.0000000000      0 7.639651e-03      0
## CSI076 0.0072266867 0.0001156270      0 9.134532e-03      0
##      0tu00049      0tu00050 0tu00051      0tu00052      0tu00053
## CSI001 0.000000e+00 4.690652e-05      0 0.000000e+00 1.876261e-04
## CSI012 0.000000e+00 5.174912e-05      0 3.449941e-05 1.207479e-04
## CSI022 0.000000e+00 1.936400e-04      0 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00 3.943140e-05      0 0.000000e+00 8.477751e-04
## CSI055 0.000000e+00 6.454250e-05      0 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00 1.891003e-04      0 0.000000e+00 5.673008e-04
## CSI076 0.000000e+00 2.312540e-04      0 0.000000e+00 0.000000e+00
##      0tu00054      0tu00055      0tu00056      0tu00057      0tu00058
## CSI001 2.345326e-05 0.0271119659 2.345326e-04 0.000000e+00 0.000000e+00
## CSI012 3.449941e-05 0.0057786518 1.724971e-05 0.000000e+00 3.449941e-05
## CSI022 1.075778e-04 0.0005378889 0.000000e+00 4.303111e-05 2.151556e-05
## CSI044 5.914710e-05 0.0000985785 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 6.454250e-05 0.0055291409 0.000000e+00 0.000000e+00 2.151417e-05
## CSI065 1.134602e-04 0.0019666427 0.000000e+00 1.176204e-02 7.715291e-03
## CSI076 5.781349e-05 0.0081227959 0.000000e+00 5.781349e-05 2.113083e-02
##      0tu00059      0tu00060 0tu00061      0tu00062      0tu00063
## CSI001 1.383742e-03 0.000000e+00      0 2.345326e-05 1.172663e-04
## CSI012 1.086732e-03 0.000000e+00      0 5.450907e-03 2.069965e-04
## CSI022 0.000000e+00 2.151556e-05      0 9.897156e-04 1.506089e-04
## CSI044 0.000000e+00 1.971570e-05      0 5.914710e-05 0.000000e+00
## CSI055 4.302833e-05 0.000000e+00      0 0.000000e+00 4.302833e-05
## CSI065 7.564010e-05 0.000000e+00      0 0.000000e+00 1.512802e-04
## CSI076 2.023472e-04 0.000000e+00      0 0.000000e+00 3.208649e-03
##      0tu00064      0tu00065      0tu00066      0tu00067      0tu00068
## CSI001 0.0016182748 4.456119e-04 7.974108e-04 2.579858e-04 0.0205919602
## CSI012 0.0025874560 0.000000e+00 1.724971e-05 1.379977e-04 0.0049334161
## CSI022 0.0004733422 2.151556e-05 0.000000e+00 2.797022e-04 0.0218598046
## CSI044 0.0001774413 0.000000e+00 1.971570e-05 0.000000e+00 0.0000000000
## CSI055 0.0217293087 0.000000e+00 0.000000e+00 0.000000e+00 0.0001721133
## CSI065 0.0050678870 0.000000e+00 0.000000e+00 0.000000e+00 0.0100601339
## CSI076 0.0094235995 0.000000e+00 0.000000e+00 8.672024e-05 0.0000000000
##      0tu00069      0tu00070      0tu00071      0tu00072      0tu00073
## CSI001 0.00000e+00 0.000000e+00 1.829354e-03 0.0007270510 0.0030723768
## CSI012 0.00000e+00 0.000000e+00 1.897468e-04 0.0047436694 0.0063478921
## CSI022 0.00000e+00 0.000000e+00 2.366711e-04 0.0133826757 0.0037867378
## CSI044 1.97157e-05 0.000000e+00 0.000000e+00 0.0003154512 0.0001182942
## CSI055 0.00000e+00 0.000000e+00 1.441449e-03 0.0004948258 0.0028398701
## CSI065 0.00000e+00 0.000000e+00 0.000000e+00 0.0020422828 0.0032525245

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## CSI076 0.00000e+00 0.000000e+00 1.156270e-04 0.0088743713 0.0020812858
##          0tu00074          0tu00075          0tu00076          0tu00077          0tu00078
## CSI001 0.000000e+00 9.146770e-04 4.925184e-04 0.0000000000 9.381303e-05
## CSI012 0.000000e+00 7.814117e-03 0.000000e+00 0.0000000000 0.000000e+00
## CSI022 0.000000e+00 1.936400e-03 5.809200e-04 0.002603382 0.000000e+00
## CSI044 0.000000e+00 5.914710e-05 0.000000e+00 0.0000000000 9.857850e-05
## CSI055 0.000000e+00 0.000000e+00 4.302833e-05 0.0000000000 5.787311e-03
## CSI065 3.782005e-05 4.538406e-04 0.000000e+00 0.0000000000 0.000000e+00
## CSI076 2.890675e-05 2.890675e-05 0.000000e+00 0.000231254 6.937619e-03
##          0tu00079          0tu00080          0tu00081          0tu00082          0tu00083
## CSI001 0.000000e+00 0.0000000000 4.737558e-03 0.000000e+00 0.03140391
## CSI012 0.000000e+00 0.0004312427 1.274753e-02 0.000000e+00 0.00000000
## CSI022 0.000000e+00 0.0001290933 1.310297e-02 2.151556e-05 0.00000000
## CSI044 1.971570e-05 0.0009660693 1.971570e-05 0.000000e+00 0.00000000
## CSI055 2.151417e-05 0.0031410684 0.000000e+00 2.151417e-05 0.00000000
## CSI065 0.000000e+00 0.0209144889 3.782005e-05 0.000000e+00 0.00000000
## CSI076 0.000000e+00 0.0008961092 0.000000e+00 0.000000e+00 0.00000000
##          0tu00084          0tu00085          0tu00086          0tu00087          0tu00088
## CSI001 2.345326e-05 0.0078333881 1.641728e-04 0.000000e+00 0
## CSI012 0.000000e+00 0.0038294349 0.000000e+00 1.724971e-05 0
## CSI022 0.000000e+00 0.0630405783 0.000000e+00 4.303111e-05 0
## CSI044 0.000000e+00 0.0000197157 1.478677e-03 1.971570e-05 0
## CSI055 0.000000e+00 0.0001505992 1.333878e-03 0.000000e+00 0
## CSI065 0.000000e+00 0.0004538406 3.782005e-05 0.000000e+00 0
## CSI076 0.000000e+00 0.0044516390 0.000000e+00 0.000000e+00 0
##          0tu00089          0tu00090          0tu00091          0tu00092          0tu00093
## CSI001 0.000000e+00 2.345326e-05 0.000000e+00 0.0039401473 0.000000e+00
## CSI012 0.000000e+00 3.449941e-05 0.000000e+00 0.0005002415 0.000000e+00
## CSI022 2.323680e-03 0.000000e+00 0.000000e+00 0.0076165067 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00 1.971570e-05 0.0000000000 3.94314e-05
## CSI055 0.000000e+00 1.721133e-04 0.000000e+00 0.0000645425 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00
## CSI076 2.890675e-05 0.000000e+00 0.000000e+00 0.0116494190 0.000000e+00
##          0tu00094          0tu00095          0tu00096          0tu00097          0tu00098
## CSI001 0.0000000000 0.0014775552 1.289929e-03 2.345326e-05 0.000000e+00
## CSI012 0.001155730 0.0008624853 3.708687e-03 0.000000e+00 0.000000e+00
## CSI022 0.004066440 0.0007315289 1.725548e-02 2.151556e-03 0.000000e+00
## CSI044 0.0000000000 0.0028390607 0.000000e+00 2.365884e-04 0.000000e+00
## CSI055 0.0000000000 0.0005378542 0.000000e+00 0.000000e+00 2.151417e-05
## CSI065 0.0000000000 0.0011346016 0.000000e+00 2.647404e-04 0.000000e+00
## CSI076 0.0000000000 0.0016765913 6.128230e-03 0.000000e+00 0.000000e+00
##          0tu00099          0tu00100          0tu00101          0tu00102          0tu00103
## CSI001 2.345326e-05 0 0.0005628782 0.0023453258 4.643745e-03
## CSI012 0.000000e+00 0 0.0002069965 0.0020354654 3.622438e-04
## CSI022 0.000000e+00 0 0.0002581867 0.0090580490 1.118809e-03
## CSI044 0.000000e+00 0 0.0000000000 0.0000197157 0.000000e+00
## CSI055 0.000000e+00 0 0.0064112218 0.0003227125 2.495643e-02
## CSI065 3.782005e-05 0 0.0000000000 0.0003025604 0.000000e+00
## CSI076 0.000000e+00 0 0.0023125397 0.0003468810 1.647685e-03
##          0tu00104          0tu00105          0tu00106          0tu00107          0tu00108
## CSI001 0.000000e+00 0.00000e+00 1.407195e-04 0.000000e+00 0.000000e+00
## CSI012 1.724971e-05 0.00000e+00 1.724971e-05 0.000000e+00 5.174912e-05
## CSI022 0.000000e+00 0.00000e+00 5.013124e-03 4.303111e-05 0.000000e+00
## CSI044 0.000000e+00 1.97157e-05 1.971570e-05 1.971570e-05 3.943140e-05

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## CSI055 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00 2.193563e-03 0.000000e+00 3.782005e-05
## CSI076 0.000000e+00 0.000000e+00 0.000000e+00 2.890675e-05 0.000000e+00
##      0tu00109      0tu00110      0tu00111      0tu00112      0tu00113
## CSI001 0.000000e+00 1.360289e-03 0.000000e+00 0.000000e+00 0.000000e+00
## CSI012 0.000000e+00 3.277444e-04 1.207479e-04 0.000000e+00 1.724971e-05
## CSI022 0.000000e+00 4.303111e-05 2.151556e-05 0.000000e+00 0.000000e+00
## CSI044 1.97157e-05 3.943140e-05 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00 2.811902e-02 0.000000e+00 4.302833e-05 0.000000e+00
## CSI065 0.000000e+00 2.269203e-04 0.000000e+00 3.782005e-05 0.000000e+00
## CSI076 0.000000e+00 5.607909e-03 0.000000e+00 2.890675e-05 0.000000e+00
##      0tu00114      0tu00115      0tu00116      0tu00117      0tu00118
## CSI001 0.000000e+00 2.486045e-03 0.000000e+00 0.000000e+00 1.592476e-02
## CSI012 0.000000e+00 2.104464e-03 8.624853e-05 0.000000e+00 4.312427e-04
## CSI022 2.151556e-05 1.054262e-03 4.303111e-05 0.000000e+00 2.581867e-04
## CSI044 0.000000e+00 0.000000e+00 3.943140e-05 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00 4.302833e-05 0.000000e+00 2.151417e-05 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00 5.781349e-05 0.000000e+00 0.000000e+00 2.890675e-05
##      0tu00119      0tu00120      0tu00121      0tu00122      0tu00123
## CSI001 5.159717e-04 0.000000e+00 0.0003517989 2.345326e-04 0.0097565552
## CSI012 2.414959e-04 0.000000e+00 0.0007589871 0.000000e+00 0.0002069965
## CSI022 7.960756e-04 0.000000e+00 0.0018933689 9.036533e-04 0.0008175911
## CSI044 0.000000e+00 0.000000e+00 0.0000000000 5.126082e-04 0.0000000000
## CSI055 0.000000e+00 0.000000e+00 0.0000000000 1.871733e-03 0.0000000000
## CSI065 3.782005e-05 0.000000e+00 0.0315419235 7.564010e-04 0.0000000000
## CSI076 0.000000e+00 0.000000e+00 0.0000000000 5.087587e-03 0.0000000000
##      0tu00124      0tu00125      0tu00126      0tu00127      0tu00128
## CSI001 0.010295980 0.0028143909 0.000000e+00 4.690652e-05 0.000000e+00
## CSI012 0.001276478 0.0006037397 0.000000e+00 5.174912e-05 0.000000e+00
## CSI022 0.003205818 0.0008391067 0.000000e+00 2.151556e-05 0.000000e+00
## CSI044 0.001537825 0.0006703338 0.000000e+00 1.971570e-05 4.731768e-04
## CSI055 0.006023967 0.0030119834 0.000000e+00 4.302833e-05 2.151417e-05
## CSI065 0.005030067 0.0040467456 0.000000e+00 3.782005e-05 0.000000e+00
## CSI076 0.007226687 0.0022258195 0.000000e+00 8.672024e-05 0.000000e+00
##      0tu00129 0tu00130      0tu00131      0tu00132      0tu00133
## CSI001 0.000000e+00      0 0.000000e+00 2.345326e-05 0.000000e+00
## CSI012 0.000000e+00      0 1.724971e-05 0.000000e+00 0.000000e+00
## CSI022 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044 1.971570e-05      0 3.943140e-05 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00      0 2.151417e-05 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076 2.890675e-05      0 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu00134      0tu00135      0tu00136      0tu00137      0tu00138
## CSI001 0.000000e+00 0.000000e+00 6.801445e-04 0.000000e+00 4.690652e-04
## CSI012 3.449941e-05 1.724971e-05 3.622438e-04 0.000000e+00 5.174912e-05
## CSI022 6.454667e-05 1.290933e-04 7.530445e-04 2.151556e-05 4.303111e-04
## CSI044 9.857850e-05 0.000000e+00 0.000000e+00 0.000000e+00 1.971570e-05
## CSI055 8.605667e-05 3.442267e-04 4.302833e-05 2.151417e-05 1.269336e-03
## CSI065 3.782005e-05 3.986234e-02 1.928823e-03 1.134602e-04 7.564010e-05
## CSI076 2.890675e-05 2.052379e-03 2.312540e-04 0.000000e+00 1.364398e-02
##      0tu00139      0tu00140      0tu00141 0tu00142      0tu00143
## CSI001 1.571368e-03 3.283456e-04 0.000000e+00      0 3.283456e-04
## CSI012 1.966467e-03 2.138964e-02 6.899883e-05      0 3.104947e-04

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## CSI022 2.151556e-05 1.075778e-04 0.000000e+00 0 5.163733e-04
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0 5.342955e-03
## CSI055 0.000000e+00 2.151417e-05 0.000000e+00 0 5.593683e-04
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0 8.963352e-03
## CSI076 0.000000e+00 0.000000e+00 0.000000e+00 0 4.220385e-03
##      0tu00144      0tu00145      0tu00146      0tu00147      0tu00148
## CSI001 2.345326e-05 0.000000e+00 1.360289e-03 2.345326e-05 0.000000e+00
## CSI012 1.724971e-05 0.000000e+00 5.778652e-03 3.449941e-05 0.000000e+00
## CSI022 0.000000e+00 0.000000e+00 1.092990e-02 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00 7.886280e-05 0.000000e+00 1.971570e-05
## CSI055 0.000000e+00 0.000000e+00 0.000000e+00 3.399238e-03 2.151417e-05
## CSI065 0.000000e+00 0.000000e+00 1.512802e-04 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00 1.734405e-04 3.474591e-02 0.000000e+00
##      0tu00149      0tu00150      0tu00151 0tu00152      0tu00153
## CSI001 0.0020404334 0.000000e+00 2.345326e-05 0 0.000000e+00
## CSI012 0.0003967433 0.000000e+00 1.379977e-04 0 0.000000e+00
## CSI022 0.0004948578 0.000000e+00 2.151556e-05 0 0.000000e+00
## CSI044 0.0001971570 0.000000e+00 0.000000e+00 0 0.000000e+00
## CSI055 0.0038080076 0.000000e+00 2.151417e-05 0 6.454250e-05
## CSI065 0.0003403805 0.000000e+00 0.000000e+00 0 7.564010e-05
## CSI076 0.0077759149 0.000000e+00 0.000000e+00 0 0.000000e+00
##      0tu00154      0tu00155      0tu00156      0tu00157      0tu00158
## CSI001 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI012 0.000000e+00 0.000000e+00 3.449941e-05 0.000000e+00 1.724971e-05
## CSI022 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00 2.151417e-05 0.000000e+00 0.000000e+00 0.000000e+00
## CSI065 1.134602e-04 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076 3.159507e-02 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu00159 0tu00160      0tu00161      0tu00162      0tu00163
## CSI001 0 0 0.0022749660 0.000000e+00 0.000000e+00
## CSI012 0 0 0.0061063962 1.724971e-05 1.034982e-04
## CSI022 0 0 0.0010542622 0.000000e+00 0.000000e+00
## CSI044 0 0 0.0002563041 0.000000e+00 0.000000e+00
## CSI055 0 0 0.0032056109 0.000000e+00 0.000000e+00
## CSI065 0 0 0.0026474037 0.000000e+00 0.000000e+00
## CSI076 0 0 0.0070243395 0.000000e+00 0.000000e+00
##      0tu00164      0tu00165      0tu00166      0tu00167      0tu00168
## CSI001 0.000000e+00 0.000000e+00 4.456119e-04 0.00000e+00 0.0023922323
## CSI012 0.000000e+00 0.000000e+00 9.314842e-04 0.00000e+00 0.0006037397
## CSI022 0.000000e+00 0.000000e+00 1.936400e-04 0.00000e+00 0.0037006756
## CSI044 0.000000e+00 0.000000e+00 5.914710e-05 1.97157e-05 0.0002365884
## CSI055 0.000000e+00 0.000000e+00 6.454250e-05 0.00000e+00 0.0045610034
## CSI065 0.000000e+00 3.782005e-05 7.564010e-05 0.00000e+00 0.0484474869
## CSI076 0.000000e+00 0.000000e+00 6.070417e-04 0.00000e+00 0.0075157542
##      0tu00169 0tu00170      0tu00171 0tu00172      0tu00173
## CSI001 0.000000e+00 0 2.110793e-04 0 8.443173e-04
## CSI012 1.724971e-05 0 3.915683e-03 0 1.845719e-03
## CSI022 0.000000e+00 0 1.613667e-03 0 1.510392e-02
## CSI044 0.000000e+00 0 0.000000e+00 0 0.000000e+00
## CSI055 0.000000e+00 0 2.581700e-04 0 0.000000e+00
## CSI065 0.000000e+00 0 1.512802e-04 0 0.000000e+00
## CSI076 0.000000e+00 0 2.890675e-05 0 2.890675e-05
##      0tu00174      0tu00175      0tu00176      0tu00177      0tu00178

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## CSI001 1.172663e-04 0.000000e+00 0.000000e+00 0.000000e+00 2.110793e-04
## CSI012 6.899883e-05 1.724971e-05 0.000000e+00 0.000000e+00 1.897468e-04
## CSI022 0.000000e+00 2.366711e-04 0.000000e+00 0.000000e+00 7.745600e-04
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 1.182942e-04 5.914710e-05
## CSI055 1.269336e-03 0.000000e+00 1.355393e-03 0.000000e+00 1.290850e-04
## CSI065 0.000000e+00 1.096782e-03 0.000000e+00 0.000000e+00 5.673008e-04
## CSI076 2.890675e-05 2.139099e-03 0.000000e+00 2.890675e-05 4.307105e-03
##      0tu00179      0tu00180      0tu00181      0tu00182 0tu00183
## CSI001 2.579858e-04 2.814391e-04 2.345326e-05 0.000000e+00      0
## CSI012 1.724971e-05 0.000000e+00 5.174912e-04 0.000000e+00      0
## CSI022 6.454667e-05 4.303111e-05 4.841000e-03 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 3.943140e-05      0
## CSI055 0.000000e+00 2.151417e-05 0.000000e+00 2.237473e-03      0
## CSI065 1.512802e-04 0.000000e+00 4.160206e-04 6.353769e-03      0
## CSI076 6.793086e-03 0.000000e+00 0.000000e+00 1.401977e-02      0
##      0tu00184      0tu00185      0tu00186      0tu00187 0tu00188
## CSI001 2.345326e-05 1.172663e-02 3.048923e-04 9.381303e-05      0
## CSI012 2.932450e-04 1.724971e-05 3.622438e-04 0.000000e+00      0
## CSI022 2.216102e-03 1.813761e-02 1.936400e-04 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI055 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI076 4.653986e-03 0.000000e+00 0.000000e+00 0.000000e+00      0
##      0tu00189      0tu00190      0tu00191      0tu00192      0tu00193
## CSI001      0 7.035977e-05 0.000000e+00 0.000000e+00 0.000000e+00
## CSI012      0 8.624853e-05 0.000000e+00 0.000000e+00 1.379977e-04
## CSI022      0 2.151556e-05 0.000000e+00 0.000000e+00 2.151556e-05
## CSI044      0 2.089864e-03 0.000000e+00 3.94314e-05 0.000000e+00
## CSI055      0 1.505992e-04 0.000000e+00 0.000000e+00 1.011166e-02
## CSI065      0 1.588442e-03 0.000000e+00 0.000000e+00 4.160206e-04
## CSI076      0 2.312540e-04 0.000000e+00 0.000000e+00 2.168006e-03
##      0tu00194      0tu00195      0tu00196      0tu00197 0tu00198 0tu00199
## CSI001      0 5.159717e-04 0.0001172663 0.000000e+00      0      0
## CSI012      0 8.607604e-03 0.0018112192 0.000000e+00      0      0
## CSI022      0 4.582813e-03 0.0003227333 0.000000e+00      0      0
## CSI044      0 0.000000e+00 0.0000985785 1.182942e-04      0      0
## CSI055      0 0.000000e+00 0.0002581700 2.603214e-03      0      0
## CSI065      0 0.000000e+00 0.0001512802 5.370447e-03      0      0
## CSI076      0 7.226687e-04 0.0001156270 1.800890e-02      0      0
##      0tu00200 0tu00201      0tu00202 0tu00203 0tu00204      0tu00205
## CSI001      0      0 0.000000e+00      0      0 5.159717e-03
## CSI012      0      0 0.000000e+00      0      0 1.204030e-02
## CSI022      0      0 0.000000e+00      0      0 6.239511e-03
## CSI044      0      0 0.000000e+00      0      0 0.000000e+00
## CSI055      0      0 0.000000e+00      0      0 5.378542e-04
## CSI065      0      0 0.000000e+00      0      0 3.782005e-05
## CSI076      0      0 0.000000e+00      0      0 2.890675e-05
##      0tu00206      0tu00207      0tu00208      0tu00209      0tu00210
## CSI001 0.0001407195 5.136263e-03 0.001243023 9.146770e-04 0.0000000000
## CSI012 0.0002759953 9.849583e-03 0.001259229 1.379977e-04 0.0000000000
## CSI022 0.0003442489 2.581867e-04 0.003829769 1.161840e-03 0.0000000000
## CSI044 0.0000000000 0.000000e+00 0.0000000000 1.971570e-05 0.0000000000
## CSI055 0.0000645425 0.000000e+00 0.0000000000 5.808825e-04 0.0001936275
## CSI065 0.0000000000 0.000000e+00 0.0000000000 4.311486e-03 0.0000000000

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## CSI076 0.0000000000 2.890675e-05 0.0000000000 2.312540e-04 0.0000000000
##      0tu00211      0tu00212      0tu00213      0tu00214      0tu00215
## CSI001      0 3.072377e-03 0.0022280595 0.000000e+00 1.641728e-04
## CSI012      0 1.880218e-03 0.0093320914 3.449941e-05 1.034982e-04
## CSI022      0 2.732476e-03 0.0040018934 0.000000e+00 2.560351e-03
## CSI044      0 0.000000e+00 0.0000197157 0.000000e+00 8.477751e-04
## CSI055      0 0.000000e+00 0.0000645425 0.000000e+00 8.605667e-05
## CSI065      0 0.000000e+00 0.0000000000 3.782005e-05 7.639651e-03
## CSI076      0 2.890675e-05 0.0000000000 2.601607e-04 5.781349e-04
##      0tu00216      0tu00217      0tu00218      0tu00219      0tu00220
## CSI001 4.690652e-05 0.000000e+00 7.035977e-05 4.456119e-03 0.000000e+00
## CSI012 0.000000e+00 0.000000e+00 2.242462e-04 2.121714e-03 0.000000e+00
## CSI022 6.454667e-05 0.000000e+00 1.075778e-04 1.312449e-03 1.075778e-04
## CSI044 5.914710e-05 0.000000e+00 0.000000e+00 0.000000e+00 1.971570e-05
## CSI055 2.796842e-03 2.151417e-05 0.000000e+00 0.000000e+00 3.399238e-03
## CSI065 7.564010e-03 0.000000e+00 0.000000e+00 0.000000e+00 1.777542e-03
## CSI076 6.937619e-04 0.000000e+00 0.000000e+00 0.000000e+00 2.688327e-03
##      0tu00221      0tu00222      0tu00223      0tu00224 0tu00225
## CSI001 0.0003048923 0.000000e+00 0.000000e+00 0.00000e+00      0
## CSI012 0.0003967433 0.000000e+00 8.624853e-05 0.00000e+00      0
## CSI022 0.0004303111 4.303111e-05 1.290933e-04 0.00000e+00      0
## CSI044 0.0059935727 0.000000e+00 0.000000e+00 1.97157e-05      0
## CSI055 0.0004948258 0.000000e+00 0.000000e+00 0.00000e+00      0
## CSI065 0.0103626943 0.000000e+00 0.000000e+00 0.00000e+00      0
## CSI076 0.0003179742 0.000000e+00 0.000000e+00 0.00000e+00      0
##      0tu00226      0tu00227      0tu00228 0tu00229      0tu00230
## CSI001 0.0026033116 0.000000e+00 7.035977e-05      0 0.0003283456
## CSI012 0.0024494584 1.535224e-03 5.157662e-03      0 0.0000000000
## CSI022 0.0016351822 0.000000e+00 7.143165e-03      0 0.0000000000
## CSI044 0.0001577256 0.000000e+00 0.000000e+00      0 0.0000394314
## CSI055 0.0001075708 0.000000e+00 4.302833e-05      0 0.0000000000
## CSI065 0.0000000000 4.160206e-04 0.000000e+00      0 0.0064294089
## CSI076 0.0001445337 0.000000e+00 0.000000e+00      0 0.0000000000
##      0tu00231      0tu00232      0tu00233      0tu00234      0tu00235
## CSI001 0.0000000000 9.381303e-05 0.000000e+00 2.345326e-05 7.035977e-05
## CSI012 0.0000000000 3.449941e-05 1.724971e-05 3.449941e-05 5.174912e-05
## CSI022 0.0007315289 2.043978e-03 0.000000e+00 0.000000e+00 1.183356e-03
## CSI044 0.0000000000 4.574042e-02 0.000000e+00 0.000000e+00 1.380099e-04
## CSI055 0.0000000000 1.011166e-03 2.151417e-05 1.398421e-03 3.011983e-04
## CSI065 0.0000000000 9.190273e-03 0.000000e+00 7.564010e-05 9.190273e-03
## CSI076 0.0000000000 3.468810e-04 0.000000e+00 1.300804e-03 8.382957e-04
##      0tu00236      0tu00237      0tu00238 0tu00239 0tu00240      0tu00241
## CSI001      0 0.000000e+00 3.494535e-03      0      0 9.475116e-03
## CSI012      0 1.724971e-05 1.379977e-03      0      0 4.916166e-03
## CSI022      0 0.000000e+00 1.622273e-02      0      0 2.710960e-03
## CSI044      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI055      0 0.000000e+00 0.000000e+00      0      0 8.605667e-05
## CSI065      0 0.000000e+00 3.782005e-05      0      0 0.000000e+00
## CSI076      0 0.000000e+00 0.000000e+00      0      0 2.601607e-04
##      0tu00242      0tu00243      0tu00244      0tu00245      0tu00246
## CSI001 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00 2.345326e-05
## CSI012 6.899883e-05 0.0000000000 1.724971e-05 0.000000e+00 0.000000e+00
## CSI022 1.140324e-03 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044 1.971570e-05 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00

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## CSI055 1.204793e-03 0.0003227125 0.000000e+00 2.151417e-05 0.000000e+00
## CSI065 2.344843e-03 0.0001891003 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076 4.971960e-03 0.0007515754 0.000000e+00 0.000000e+00 1.185177e-03
##      0tu00247 0tu00248      0tu00249      0tu00250      0tu00251
## CSI001      0      0 5.159717e-03 0.011069938 0.000000e+00
## CSI012      0      0 1.155730e-03 0.007227627 0.000000e+00
## CSI022      0      0 6.820431e-03 0.006562245 0.000000e+00
## CSI044      0      0 3.943140e-05 0.000000000 0.000000e+00
## CSI055      0      0 2.151417e-05 0.000000000 2.151417e-05
## CSI065      0      0 0.000000e+00 0.000000000 0.000000e+00
## CSI076      0      0 5.492282e-04 0.000000000 0.000000e+00
##      0tu00252      0tu00253 0tu00254      0tu00255      0tu00256
## CSI001 2.345326e-05 3.987054e-04      0 2.345326e-05 0.000000e+00
## CSI012 2.050990e-02 1.535224e-03      0 0.000000e+00 0.000000e+00
## CSI022 1.506089e-03 6.454667e-05      0 0.000000e+00 0.000000e+00
## CSI044 1.971570e-05 1.971570e-05      0 1.971570e-05 0.000000e+00
## CSI055 0.000000e+00 1.957789e-03      0 0.000000e+00 2.151417e-05
## CSI065 1.134602e-04 1.512802e-04      0 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00 1.477135e-02      0 0.000000e+00 0.000000e+00
##      0tu00257      0tu00258      0tu00259      0tu00260      0tu00261
## CSI001 7.035977e-05 0.000000e+00 4.690652e-05 2.345326e-05 0.000000e+00
## CSI012 3.449941e-05 0.000000e+00 0.000000e+00 2.587456e-04 0.000000e+00
## CSI022 2.151556e-05 0.000000e+00 0.000000e+00 4.303111e-05 0.000000e+00
## CSI044 9.069222e-04 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 2.753813e-03 4.302833e-05 1.592048e-03 6.454250e-05 0.000000e+00
## CSI065 1.323702e-03 0.000000e+00 0.000000e+00 0.000000e+00 2.269203e-04
## CSI076 1.185177e-03 2.890675e-04 8.672024e-05 0.000000e+00 8.672024e-05
##      0tu00262      0tu00263 0tu00264      0tu00265      0tu00266
## CSI001 0.000000e+00 2.603312e-03      0 2.368779e-03 0.0000000000
## CSI012 3.449941e-05 3.708687e-03      0 4.691920e-03 0.0000000000
## CSI022 0.000000e+00 2.581867e-04      0 6.024356e-04 0.0000000000
## CSI044 1.971570e-05 0.000000e+00      0 1.182942e-04 0.0000197157
## CSI055 0.000000e+00 2.151417e-05      0 8.605667e-05 0.0009251092
## CSI065 0.000000e+00 0.000000e+00      0 2.004463e-03 0.0009833214
## CSI076 0.000000e+00 0.000000e+00      0 8.325143e-03 0.0004336012
##      0tu00267      0tu00268      0tu00269      0tu00270 0tu00271
## CSI001 1.594822e-03 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI012 7.589871e-04 0.000000e+00 0.000000e+00 1.724971e-05      0
## CSI022 5.120702e-03 0.000000e+00 4.303111e-05 0.000000e+00      0
## CSI044 0.000000e+00 9.857850e-05 0.000000e+00 0.000000e+00      0
## CSI055 1.505992e-04 8.605667e-05 2.151417e-05 2.151417e-05      0
## CSI065 1.891003e-04 7.564010e-05 0.000000e+00 0.000000e+00      0
## CSI076 8.672024e-05 5.781349e-05 0.000000e+00 0.000000e+00      0
##      0tu00272      0tu00273      0tu00274      0tu00275      0tu00276
## CSI001 0.0006566912 7.927201e-03 0.000000e+00 9.146770e-04 0.0017589943
## CSI012 0.0005692403 2.226937e-02 0.000000e+00 1.724971e-05 0.0047781688
## CSI022 0.0003012178 3.657644e-04 2.151556e-05 9.682000e-04 0.0014200267
## CSI044 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000
## CSI055 0.0014844775 0.000000e+00 0.000000e+00 3.011983e-04 0.0003011983
## CSI065 0.0000000000 0.000000e+00 0.000000e+00 3.782005e-05 0.0001512802
## CSI076 0.0002890675 5.781349e-05 0.000000e+00 2.890675e-04 0.0002312540
##      0tu00277 0tu00278      0tu00279 0tu00280 0tu00281 0tu00282
## CSI001 0.000000e+00      0 0.00000e+00      0      0      0
## CSI012 1.724971e-05      0 0.00000e+00      0      0      0

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##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI044	0.000000e+00	0	1.97157e-05	0	0	0
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu00283	0tu00284	0tu00285	0tu00286	0tu00287	
##	CSI001	1.641728e-04	1.993527e-03	0.000000e+00	0.0008912238	4.854824e-03	
##	CSI012	3.449941e-05	3.622438e-04	0.000000e+00	0.0008107362	3.605189e-03	
##	CSI022	0.000000e+00	3.722191e-03	0.000000e+00	0.0002151556	1.742760e-03	
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0.0005323239	0.000000e+00	
##	CSI055	2.282653e-02	0.000000e+00	0.000000e+00	0.0004087692	6.239108e-04	
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0.0006051208	0.000000e+00	
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0.0002023472	8.672024e-05	
##		0tu00288	0tu00289	0tu00290	0tu00291	0tu00292	
##	CSI001	0	0.000000e+00	0.0001876261	0.000000e+00	0.000000e+00	
##	CSI012	0	0.000000e+00	0.0002587456	0.000000e+00	5.174912e-05	
##	CSI022	0	0.000000e+00	0.0001075778	2.151556e-05	0.000000e+00	
##	CSI044	0	0.000000e+00	0.0000197157	0.000000e+00	0.000000e+00	
##	CSI055	0	2.151417e-05	0.0000000000	0.000000e+00	0.000000e+00	
##	CSI065	0	0.000000e+00	0.0071858099	0.000000e+00	0.000000e+00	
##	CSI076	0	0.000000e+00	0.0000000000	0.000000e+00	0.000000e+00	
##		0tu00293	0tu00294	0tu00295	0tu00296	0tu00297	0tu00298
##	CSI001	0.0000000000	0	0.0000000000	0.000000e+00	0	0
##	CSI012	0.0000000000	0	0.0000000000	0.000000e+00	0	0
##	CSI022	0.0000000000	0	0.0000000000	2.151556e-05	0	0
##	CSI044	0.0000000000	0	0.0000000000	0.000000e+00	0	0
##	CSI055	0.0000000000	0	0.0001290850	0.000000e+00	0	0
##	CSI065	0.0000000000	0	0.0002269203	1.512802e-03	0	0
##	CSI076	0.001532058	0	0.0000000000	0.000000e+00	0	0
##		0tu00299	0tu00300	0tu00301	0tu00302	0tu00303	
##	CSI001	0.000000e+00	0.0060040340	0.000000e+00	0	0.0000000000	
##	CSI012	1.724971e-05	0.0003449941	0.000000e+00	0	0.0000000000	
##	CSI022	2.151556e-05	0.0003442489	0.000000e+00	0	0.0001290933	
##	CSI044	0.000000e+00	0.0000000000	0.000000e+00	0	0.0000000000	
##	CSI055	0.000000e+00	0.0000000000	0.000000e+00	0	0.0000000000	
##	CSI065	1.134602e-04	0.0000000000	0.000000e+00	0	0.0000756401	
##	CSI076	3.121929e-03	0.0000000000	2.890675e-05	0	0.0000000000	
##		0tu00304	0tu00305	0tu00306	0tu00307	0tu00308	
##	CSI001	0.000000e+00	0	1.055397e-03	0.0001641728	6.332380e-04	
##	CSI012	0.000000e+00	0	5.347409e-04	0.0001379977	1.379977e-04	
##	CSI022	0.000000e+00	0	2.280649e-03	0.0010757778	2.151556e-05	
##	CSI044	0.000000e+00	0	0.000000e+00	0.0000394314	0.000000e+00	
##	CSI055	0.000000e+00	0	0.000000e+00	0.0002151417	0.000000e+00	
##	CSI065	0.000000e+00	0	0.000000e+00	0.0001134602	0.000000e+00	
##	CSI076	2.890675e-05	0	0.000000e+00	0.0034977164	0.000000e+00	
##		0tu00309	0tu00310	0tu00311	0tu00312	0tu00313	
##	CSI001	0.000000e+00	0.0032600028	9.381303e-05	0.000000e+00	1.261785e-02	
##	CSI012	0.000000e+00	0.0012074795	0.000000e+00	1.034982e-04	3.674188e-03	
##	CSI022	0.000000e+00	0.0014845733	8.606222e-05	0.000000e+00	6.669822e-04	
##	CSI044	0.000000e+00	0.0000788628	5.914710e-05	5.745155e-02	0.000000e+00	
##	CSI055	2.151417e-05	0.0001721133	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI065	0.000000e+00	0.0003782005	7.564010e-05	1.058961e-03	3.782005e-05	
##	CSI076	0.000000e+00	0.0001734405	2.890675e-05	0.000000e+00	2.601607e-04	
##		0tu00314	0tu00315	0tu00316	0tu00317	0tu00318	

##	CSI001	0	7.739575e-04	1.172663e-04	0	2.579858e-03
##	CSI012	0	5.002415e-04	1.724971e-05	0	5.864900e-04
##	CSI022	0	4.303111e-05	4.303111e-05	0	3.442489e-04
##	CSI044	0	1.813844e-03	5.323239e-04	0	0.000000e+00
##	CSI055	0	8.820809e-04	2.000818e-03	0	0.000000e+00
##	CSI065	0	1.096782e-03	1.248062e-03	0	0.000000e+00
##	CSI076	0	2.890675e-04	5.405562e-03	0	2.890675e-05
##		0tu00319	0tu00320	0tu00321	0tu00322	0tu00323
##	CSI001	0.000000e+00	0.000000e+00	0	0.0044795722	0.000000e+00
##	CSI012	3.449941e-05	1.724971e-05	0	0.0011384806	0.000000e+00
##	CSI022	0.000000e+00	0.000000e+00	0	0.0003872800	4.303111e-05
##	CSI044	0.000000e+00	0.000000e+00	0	0.0000000000	0.000000e+00
##	CSI055	0.000000e+00	0.000000e+00	0	0.0002151417	2.151417e-05
##	CSI065	0.000000e+00	0.000000e+00	0	0.0000000000	0.000000e+00
##	CSI076	0.000000e+00	0.000000e+00	0	0.0001445337	0.000000e+00
##		0tu00324	0tu00325	0tu00326	0tu00327	0tu00328
##	CSI001	4.690652e-05	0.0006801445	7.974108e-04	0.000000e+00	0.000000e+00
##	CSI012	3.449941e-05	0.0004484924	8.797350e-04	0.000000e+00	1.724971e-05
##	CSI022	8.821378e-04	0.0000000000	2.151556e-05	0.000000e+00	0.000000e+00
##	CSI044	0.000000e+00	0.0000000000	1.971570e-05	0.000000e+00	1.971570e-05
##	CSI055	0.000000e+00	0.0000000000	3.227125e-04	2.151417e-05	4.302833e-05
##	CSI065	0.000000e+00	0.0000000000	2.496123e-03	0.000000e+00	7.564010e-05
##	CSI076	0.000000e+00	0.0000000000	6.937619e-04	0.000000e+00	3.179742e-04
##		0tu00329	0tu00330	0tu00331	0tu00332	0tu00333
##	CSI001	8.208640e-04	6.332380e-04	0.0016886346	0.0050659037	1.730850e-02
##	CSI012	3.605189e-03	4.829918e-04	0.0004312427	0.0032429449	7.331125e-03
##	CSI022	7.422867e-03	1.721244e-04	0.0038082534	0.0004733422	0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	0.0000000000	0.0000000000	3.943140e-05
##	CSI055	0.000000e+00	0.000000e+00	0.0000000000	0.0000645425	2.151417e-05
##	CSI065	0.000000e+00	0.000000e+00	0.0000000000	0.0000000000	8.320411e-04
##	CSI076	0.000000e+00	5.781349e-05	0.0000000000	0.0000000000	2.890675e-04
##		0tu00334	0tu00335	0tu00336	0tu00337	0tu00338
##	CSI001	0	2.345326e-05	0.000000e+00	0	0.000000e+00
##	CSI012	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI022	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI044	0	0.000000e+00	5.469135e-02	0	0.000000e+00
##	CSI055	0	0.000000e+00	0.000000e+00	0	2.151417e-05
##	CSI065	0	1.573314e-02	3.782005e-05	0	0.000000e+00
##	CSI076	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##		0tu00339	0tu00340	0tu00341	0tu00342	0tu00343
##	CSI001	0.0000000000	0	0.0000000000	5.394249e-04	5.628782e-04
##	CSI012	0.0000000000	0	0.0000000000	3.104947e-04	1.036707e-02
##	CSI022	0.0000000000	0	0.0000000000	7.745600e-04	7.336805e-03
##	CSI044	0.0000394314	0	0.0000000000	0.000000e+00	0.000000e+00
##	CSI055	0.0000000000	0	0.0000000000	4.302833e-05	0.000000e+00
##	CSI065	0.0000000000	0	0.0027230438	0.000000e+00	0.000000e+00
##	CSI076	0.0000000000	0	0.0000000000	0.000000e+00	0.000000e+00
##		0tu00344	0tu00345	0tu00346	0tu00347	0tu00348
##	CSI001	0	0.000000e+00	2.345326e-05	2.345326e-05	0
##	CSI012	0	3.449941e-05	3.449941e-05	0.000000e+00	0
##	CSI022	0	0.000000e+00	0.000000e+00	0.000000e+00	0
##	CSI044	0	0.000000e+00	2.290964e-02	1.971570e-05	0
##	CSI055	0	0.000000e+00	1.505992e-03	1.936275e-04	0
##	CSI065	0	0.000000e+00	1.891003e-04	0.000000e+00	0

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## CSI076      0 4.914147e-04 2.312540e-04 0.000000e+00      0
##      0tu00349 0tu00350      0tu00351 0tu00352      0tu00353
## CSI001 4.690652e-04      0 0.0017120878      0 0.000000e+00
## CSI012 9.832333e-04      0 0.0021389636      0 1.724971e-05
## CSI022 4.518267e-04      0 0.0027109600      0 0.000000e+00
## CSI044 7.886280e-05      0 0.0000000000      0 0.000000e+00
## CSI055 4.302833e-05      0 0.0001936275      0 0.000000e+00
## CSI065 1.512802e-04      0 0.0004538406      0 0.000000e+00
## CSI076 2.890675e-05      0 0.0010695496      0 0.000000e+00
##      0tu00354 0tu00355      0tu00356 0tu00357 0tu00358 0tu00359
## CSI001 0.000000e+00      0 0.000000e+00      0      0      0
## CSI012 1.724971e-05      0 1.724971e-05      0      0      0
## CSI022 4.303111e-05      0 0.000000e+00      0      0      0
## CSI044 0.000000e+00      0 0.000000e+00      0      0      0
## CSI055 0.000000e+00      0 0.000000e+00      0      0      0
## CSI065 3.782005e-05      0 0.000000e+00      0      0      0
## CSI076 8.672024e-05      0 0.000000e+00      0      0      0
##      0tu00360 0tu00361 0tu00362      0tu00363 0tu00364      0tu00365
## CSI001 0.000000e+00      0      0 1.970074e-03      0 2.251513e-03
## CSI012 0.000000e+00      0      0 9.314842e-04      0 4.191679e-03
## CSI022 0.000000e+00      0      0 4.303111e-05      0 6.368605e-03
## CSI044 3.943140e-05      0      0 1.971570e-05      0 0.000000e+00
## CSI055 0.000000e+00      0      0 8.605667e-05      0 2.151417e-05
## CSI065 3.782005e-05      0      0 3.782005e-05      0 0.000000e+00
## CSI076 0.000000e+00      0      0 8.672024e-05      0 0.000000e+00
##      0tu00366 0tu00367 0tu00368      0tu00369      0tu00370
## CSI001 0.000000e+00      0      0 0.0000000000 0.0000000000
## CSI012 1.724971e-05      0      0 0.0000000000 0.0000000000
## CSI022 0.000000e+00      0      0 0.0000000000 0.0031412711
## CSI044 0.000000e+00      0      0 0.0000000000 0.0001774413
## CSI055 0.000000e+00      0      0 0.0041737484 0.0002151417
## CSI065 0.000000e+00      0      0 0.0006429409 0.0002647404
## CSI076 0.000000e+00      0      0 0.0018500318 0.0001734405
##      0tu00371 0tu00372 0tu00373      0tu00374      0tu00375
## CSI001 0.000000e+00      0      0 0.000000e+00 1.407195e-04
## CSI012 1.724971e-05      0      0 0.000000e+00 5.174912e-05
## CSI022 0.000000e+00      0      0 0.000000e+00 4.303111e-05
## CSI044 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00      0      0 0.000000e+00 9.466234e-04
## CSI065 0.000000e+00      0      0 7.564010e-05 2.647404e-04
## CSI076 0.000000e+00      0      0 0.000000e+00 5.058681e-03
##      0tu00376 0tu00377 0tu00378 0tu00379      0tu00380 0tu00381
## CSI001 7.035977e-05      0      0      0 0.000000e+00      0
## CSI012 1.017733e-03      0      0      0 0.000000e+00      0
## CSI022 1.506089e-04      0      0      0 0.000000e+00      0
## CSI044 0.000000e+00      0      0      0 0.000000e+00      0
## CSI055 1.333878e-03      0      0      0 0.000000e+00      0
## CSI065 2.685224e-03      0      0      0 0.000000e+00      0
## CSI076 2.890675e-03      0      0      0 0.000000e+00      0
##      0tu00382      0tu00383 0tu00384      0tu00385      0tu00386
## CSI001 0.0003048923 9.381303e-05      0 0.0000000000 0.000000e+00
## CSI012 0.0004139930 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI022 0.0001290933 5.163733e-04      0 0.0000000000 4.303111e-05
## CSI044 0.0000000000 0.000000e+00      0 0.0000394314 0.000000e+00

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## CSI055 0.0030550117 0.000000e+00      0 0.0023020159 3.463781e-03
## CSI065 0.0003403805 0.000000e+00      0 0.0000756401 1.134602e-04
## CSI076 0.0051743077 0.000000e+00      0 0.0005203214 3.350292e-02
##      0tu00387      0tu00388      0tu00389      0tu00390 0tu00391
## CSI001 3.353816e-03 1.196116e-03 2.392232e-03 0.000000e+00      0
## CSI012 2.121714e-03 2.242462e-04 2.828952e-03 0.000000e+00      0
## CSI022 3.334911e-03 5.594044e-04 3.012178e-04 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 3.943140e-05      0
## CSI055 0.000000e+00 2.151417e-05 8.605667e-05 2.151417e-05      0
## CSI065 1.512802e-04 9.833214e-04 1.134602e-04 3.895465e-03      0
## CSI076 2.890675e-05 2.890675e-05 4.046945e-04 8.382957e-04      0
##      0tu00392      0tu00393      0tu00394      0tu00395      0tu00396
## CSI001      0 4.690652e-05 0.0000000000 0.000000e+00 0.0002579858
## CSI012      0 0.000000e+00 0.0000000000 2.587456e-04 0.0018802180
## CSI022      0 2.280649e-03 0.0000000000 8.606222e-05 0.0001075778
## CSI044      0 0.000000e+00 0.0000000000 0.000000e+00 0.0000000000
## CSI055      0 0.000000e+00 0.0000000000 0.000000e+00 0.0000000000
## CSI065      0 2.533943e-03 0.0007942211 2.269203e-04 0.0000000000
## CSI076      0 5.492282e-04 0.0000000000 0.000000e+00 0.0000000000
##      0tu00397 0tu00398      0tu00399 0tu00400      0tu00401
## CSI001 0.000000e+00      0 0.000000e+00      0 0.000000e+00
## CSI012 0.000000e+00      0 6.899883e-04      0 0.000000e+00
## CSI022 0.000000e+00      0 0.000000e+00      0 0.000000e+00
## CSI044 1.971570e-05      0 0.000000e+00      0 0.000000e+00
## CSI055 2.431101e-03      0 2.796842e-04      0 2.581700e-04
## CSI065 0.000000e+00      0 0.000000e+00      0 0.000000e+00
## CSI076 1.647685e-03      0 2.890675e-05      0 5.781349e-05
##      0tu00402      0tu00403      0tu00404      0tu00405      0tu00406
## CSI001 0.000000e+00 0.000000e+00 3.330363e-03 0.0000000000 0.0000000000
## CSI012 0.000000e+00 2.242462e-04 5.243911e-03 0.0000000000 0.0000000000
## CSI022 2.151556e-05 4.303111e-04 9.036533e-04 0.0002151556 0.0000000000
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000 0.0000000000
## CSI055 0.000000e+00 1.290850e-04 0.000000e+00 0.0000000000 0.0000000000
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.0000756401 0.004538406
## CSI076 0.000000e+00 8.672024e-05 0.000000e+00 0.0000000000 0.0000000000
##      0tu00407      0tu00408      0tu00409      0tu00410      0tu00411
## CSI001      0 0.0000000000 1.172663e-04 0.000000e+00 0.000000e+00
## CSI012      0 0.0000000000 3.277444e-04 1.724971e-05 0.000000e+00
## CSI022      0 0.0000000000 1.075778e-04 0.000000e+00 6.454667e-05
## CSI044      0 0.0000000000 3.943140e-05 4.751484e-03 0.000000e+00
## CSI055      0 0.001828704 4.302833e-05 3.657408e-04 0.000000e+00
## CSI065      0 0.0000000000 0.000000e+00 7.790931e-03 0.000000e+00
## CSI076      0 0.0000000000 2.890675e-05 0.000000e+00 5.781349e-05
##      0tu00412 0tu00413      0tu00414      0tu00415      0tu00416
## CSI001 9.381303e-05      0 3.752521e-04 2.345326e-05 0.000000e+00
## CSI012 0.000000e+00      0 1.379977e-04 0.000000e+00 0.000000e+00
## CSI022 0.000000e+00      0 4.303111e-05 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0 2.563041e-04 0.000000e+00 2.740482e-03
## CSI055 7.099675e-04      0 1.075708e-04 0.000000e+00 2.151417e-04
## CSI065 0.000000e+00      0 2.647404e-03 8.320411e-04 1.323702e-03
## CSI076 1.156270e-04      0 1.156270e-04 0.000000e+00 1.127363e-03
##      0tu00417      0tu00418      0tu00419 0tu00420 0tu00421 0tu00422
## CSI001      0 0.000000e+00 2.345326e-05      0      0      0
## CSI012      0 0.000000e+00 0.000000e+00      0      0      0

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##	CSI022	0	2.151556e-05	1.075778e-04	0	0	0
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI055	0	2.151417e-05	0.000000e+00	0	0	0
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0
##		0tu00423	0tu00424	0tu00425	0tu00426	0tu00427	
##	CSI001	0.000000e+00	4.761011e-03	0.0014306487	0	0.0000000000	
##	CSI012	0.000000e+00	2.000966e-03	0.0002932450	0	0.0000000000	
##	CSI022	0.000000e+00	4.303111e-05	0.0000000000	0	0.0005378889	
##	CSI044	0.000000e+00	0.000000e+00	0.0000000000	0	0.0000000000	
##	CSI055	0.000000e+00	0.000000e+00	0.0019793034	0	0.0000000000	
##	CSI065	3.782005e-05	0.000000e+00	0.0000756401	0	0.0006807609	
##	CSI076	0.000000e+00	8.672024e-05	0.0026594207	0	0.0000000000	
##		0tu00428	0tu00429	0tu00430	0tu00431	0tu00432	
##	CSI001	3.752521e-04	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	
##	CSI012	1.034982e-04	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	
##	CSI022	4.303111e-05	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	
##	CSI044	0.000000e+00	1.97157e-05	0.000000e+00	0.000000e+00	0.0000000000	
##	CSI055	6.454250e-05	0.000000e+00	0.000000e+00	0.000000e+00	0.0438028442	
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	3.782005e-05	0.0000000000	
##	CSI076	1.445337e-04	0.000000e+00	0.000000e+00	0.000000e+00	0.0001734405	
##		0tu00433	0tu00434	0tu00435	0tu00436	0tu00437	
##	CSI001	0	0.000000e+00	0.000000e+00	0.00000e+00	0	
##	CSI012	0	0.000000e+00	1.724971e-05	0.00000e+00	0	
##	CSI022	0	0.000000e+00	0.000000e+00	0.00000e+00	0	
##	CSI044	0	0.000000e+00	0.000000e+00	0.00000e+00	0	
##	CSI055	0	0.000000e+00	0.000000e+00	0.00000e+00	0	
##	CSI065	0	0.000000e+00	0.000000e+00	0.00000e+00	0	
##	CSI076	0	0.000000e+00	0.000000e+00	0.00000e+00	0	
##		0tu00438	0tu00439	0tu00440	0tu00441	0tu00442	
##	CSI001	2.345326e-05	0.000000e+00	0	1.078850e-03	0.000000e+00	
##	CSI012	0.000000e+00	0.000000e+00	0	5.519906e-04	1.724971e-05	
##	CSI022	5.378889e-04	0.000000e+00	0	2.151556e-05	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	3.943140e-05	
##	CSI055	0.000000e+00	0.000000e+00	0	7.960242e-04	2.151417e-04	
##	CSI065	0.000000e+00	0.000000e+00	0	5.673008e-04	0.000000e+00	
##	CSI076	0.000000e+00	0.000000e+00	0	6.359484e-04	1.425103e-02	
##		0tu00443	0tu00444	0tu00445	0tu00446	0tu00447	
##	CSI001	1.899714e-03	0.000000e+00	0.0000000000	0	4.690652e-05	
##	CSI012	2.604706e-03	0.000000e+00	0.0000000000	0	0.000000e+00	
##	CSI022	1.463058e-03	0.000000e+00	0.0000000000	0	2.345196e-03	
##	CSI044	0.000000e+00	1.97157e-05	0.0000000000	0	9.660693e-04	
##	CSI055	0.000000e+00	0.000000e+00	0.0000000000	0	0.000000e+00	
##	CSI065	0.000000e+00	0.000000e+00	0.0000000000	0	3.782005e-05	
##	CSI076	4.914147e-04	0.000000e+00	0.0000000000	0	0.000000e+00	
##		0tu00448	0tu00449	0tu00450	0tu00451	0tu00452	
##	CSI001	1.641728e-04	2.345326e-05	9.381303e-05	0.0027674844	0.000000e+00	
##	CSI012	5.174912e-05	2.587456e-04	0.000000e+00	0.0024667081	8.624853e-05	
##	CSI022	0.000000e+00	1.979431e-03	1.721244e-04	0.0007315289	4.948578e-04	
##	CSI044	5.717553e-04	0.000000e+00	0.000000e+00	0.0023461683	0.000000e+00	
##	CSI055	6.669392e-04	0.000000e+00	0.000000e+00	0.0004517975	0.000000e+00	
##	CSI065	1.588442e-03	0.000000e+00	1.134602e-04	0.0004160206	0.000000e+00	
##	CSI076	5.781349e-05	0.000000e+00	0.000000e+00	0.0002601607	0.000000e+00	
##		0tu00453	0tu00454	0tu00455	0tu00456	0tu00457	

##	CSI001	1.665181e-03	0.000000e+00	0	0	0.000000e+00
##	CSI012	3.277444e-04	1.034982e-04	0	0	0.000000e+00
##	CSI022	6.454667e-05	2.151556e-05	0	0	0.000000e+00
##	CSI044	3.943140e-05	0.000000e+00	0	0	0.000000e+00
##	CSI055	3.657408e-04	2.151417e-05	0	0	0.000000e+00
##	CSI065	4.916607e-04	7.564010e-05	0	0	0.000000e+00
##	CSI076	3.035208e-03	0.000000e+00	0	0	2.890675e-05
##		0tu00458	0tu00459	0tu00460	0tu00461	0tu00462
##	CSI001	0.0021811530	0.000000e+00	0.000000e+00	0.0008677705	0
##	CSI012	0.0030359484	0.000000e+00	0.000000e+00	0.0005347409	0
##	CSI022	0.0009251689	0.000000e+00	0.000000e+00	0.0001290933	0
##	CSI044	0.0000000000	0.000000e+00	0.000000e+00	0.0010055007	0
##	CSI055	0.0000000000	0.000000e+00	5.378542e-04	0.0002796842	0
##	CSI065	0.0000000000	0.000000e+00	0.000000e+00	0.0003782005	0
##	CSI076	0.0000000000	0.000000e+00	6.359484e-04	0.0002023472	0
##		0tu00463	0tu00464	0tu00465	0tu00466	0tu00467
##	CSI001	5.159717e-04	2.345326e-05	0.000000e+00	0.000000e+00	2.814391e-04
##	CSI012	8.624853e-05	5.174912e-05	0.000000e+00	9.832333e-04	1.724971e-04
##	CSI022	0.000000e+00	8.391067e-04	0.000000e+00	1.936400e-04	2.151556e-05
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	1.380099e-04
##	CSI055	1.036983e-02	0.000000e+00	2.366558e-04	1.505992e-04	0.000000e+00
##	CSI065	4.235846e-03	0.000000e+00	0.000000e+00	0.000000e+00	1.134602e-04
##	CSI076	2.081286e-03	0.000000e+00	5.781349e-05	5.781349e-05	0.000000e+00
##		0tu00468	0tu00469	0tu00470	0tu00471	0tu00472
##	CSI001	0.0004221586	0.000000e+00	2.345326e-05	0.000000e+00	0.0000000000
##	CSI012	0.0010349824	1.724971e-05	0.000000e+00	0.000000e+00	0.0000000000
##	CSI022	0.0004733422	4.303111e-05	0.000000e+00	2.151556e-05	0.0000000000
##	CSI044	0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000
##	CSI055	0.0000000000	1.721133e-04	0.000000e+00	0.000000e+00	0.0000000000
##	CSI065	0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000
##	CSI076	0.0000000000	2.890675e-05	0.000000e+00	0.000000e+00	0.0001734405
##		0tu00473	0tu00474	0tu00475	0tu00476	0tu00477
##	CSI001	0.000000e+00	0	0	2.345326e-05	0.0014071955
##	CSI012	5.174912e-05	0	0	0.000000e+00	0.0031394466
##	CSI022	0.000000e+00	0	0	8.154396e-03	0.0015706356
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.0000000000
##	CSI055	2.151417e-04	0	0	0.000000e+00	0.0000000000
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.0000000000
##	CSI076	4.046945e-04	0	0	0.000000e+00	0.0006070417
##		0tu00479	0tu00480	0tu00481	0tu00482	0tu00483
##	CSI001	0	0	9.381303e-05	4.221586e-04	2.345326e-05
##	CSI012	0	0	5.692403e-04	3.277444e-04	0.000000e+00
##	CSI022	0	0	4.087956e-04	1.721244e-04	6.454667e-05
##	CSI044	0	0	1.971570e-05	1.971570e-05	0.000000e+00
##	CSI055	0	0	0.000000e+00	0.000000e+00	2.151417e-05
##	CSI065	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI076	0	0	2.890675e-05	2.890675e-05	2.601607e-04
##		0tu00485	0tu00486	0tu00487	0tu00488	0tu00489
##	CSI001	0.000000e+00	0	1.876261e-04	0	3.987054e-04
##	CSI012	0.000000e+00	0	3.794935e-04	0	5.174912e-05
##	CSI022	0.000000e+00	0	4.733422e-04	0	8.606222e-05
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI055	2.151417e-05	0	8.605667e-05	0	8.218412e-03
##	CSI065	0.000000e+00	0	4.538406e-04	0	0.000000e+00

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## CSI076 0.000000e+00      0 6.070417e-04      0 5.087587e-03
##      0tu00490      0tu00491      0tu00492      0tu00493      0tu00494
## CSI001 0.000000e+00 2.345326e-05 7.035977e-05 3.564895e-03 1.970074e-03
## CSI012 0.000000e+00 1.207479e-04 1.673222e-03 8.279859e-04 2.587456e-04
## CSI022 0.000000e+00 4.733422e-04 6.024356e-04 1.785791e-03 2.581867e-04
## CSI044 0.000000e+00 0.000000e+00 1.971570e-05 9.660693e-04 0.000000e+00
## CSI055 1.252125e-02 2.151417e-05 8.605667e-05 0.000000e+00 0.000000e+00
## CSI065 3.782005e-05 0.000000e+00 0.000000e+00 2.307023e-03 0.000000e+00
## CSI076 4.191478e-03 0.000000e+00 0.000000e+00 5.781349e-05 4.046945e-04
##      0tu00495      0tu00496      0tu00497      0tu00498      0tu00499
## CSI001      0 2.345326e-05 3.283456e-04 2.345326e-05 2.228059e-03
## CSI012      0 1.241979e-03 1.431726e-03 0.000000e+00 4.519423e-03
## CSI022      0 4.518267e-04 1.118809e-03 2.151556e-04 3.872800e-04
## CSI044      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055      0 2.151417e-05 8.605667e-05 0.000000e+00 6.454250e-05
## CSI065      0 0.000000e+00 7.564010e-05 2.662532e-02 0.000000e+00
## CSI076      0 0.000000e+00 8.672024e-05 0.000000e+00 1.069550e-03
##      0tu00500 0tu00501      0tu00502      0tu00503      0tu00504
## CSI001 4.925184e-04      0 0.0023922323 1.899714e-03 0.000000e+00
## CSI012 3.449941e-05      0 0.0004657421 4.312427e-04 1.724971e-05
## CSI022 6.454667e-05      0 0.0001936400 1.506089e-04 0.000000e+00
## CSI044 1.971570e-05      0 0.0000197157 0.000000e+00 0.000000e+00
## CSI055 1.075708e-04      0 0.0003872550 0.000000e+00 0.000000e+00
## CSI065 1.134602e-04      0 0.0006429409 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00      0 0.0002023472 0.000000e+00 0.000000e+00
##      0tu00505      0tu00506 0tu00507      0tu00508      0tu00509
## CSI001 2.345326e-05 0.000000e+00      0 0.000000e+00 2.345326e-05
## CSI012 0.000000e+00 0.000000e+00      0 3.449941e-05 1.724971e-05
## CSI022 2.151556e-05 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0 0.000000e+00 5.914710e-05
## CSI055 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00      0 0.000000e+00 6.278129e-03
## CSI076 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
##      0tu00510      0tu00511      0tu00512 0tu00513 0tu00514 0tu00515
## CSI001      0 0.0011023031 7.035977e-04      0      0      0
## CSI012      0 0.0003622438 6.554889e-04      0      0      0
## CSI022      0 0.0000000000 1.290933e-04      0      0      0
## CSI044      0 0.0000000000 0.000000e+00      0      0      0
## CSI055      0 0.0000000000 6.454250e-05      0      0      0
## CSI065      0 0.0000000000 7.564010e-05      0      0      0
## CSI076      0 0.0000000000 2.890675e-05      0      0      0
##      0tu00516      0tu00517      0tu00518 0tu00519      0tu00520
## CSI001 0.0000000000 2.345326e-05 0.000000e+00      0 0.000000e+00
## CSI012 0.0000000000 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI022 0.0000000000 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI044 0.0000197157 0.000000e+00 1.971570e-05      0 0.000000e+00
## CSI055 0.0007529958 2.151417e-05 6.454250e-05      0 2.151417e-05
## CSI065 0.0007185810 7.185810e-04 3.782005e-05      0 0.000000e+00
## CSI076 0.0000000000 2.659421e-03 4.914147e-04      0 0.000000e+00
##      0tu00521 0tu00522      0tu00523 0tu00524 0tu00525      0tu00526
## CSI001 0.0007974108      0 1.641728e-04      0      0 0.000000e+00
## CSI012 0.0007072380      0 8.624853e-05      0      0 0.000000e+00
## CSI022 0.0003872800      0 0.000000e+00      0      0 0.000000e+00
## CSI044 0.0000985785      0 0.000000e+00      0      0 1.380099e-04

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## CSI055 0.0010757084      0 0.000000e+00      0      0 2.581700e-04
## CSI065 0.0002647404      0 0.000000e+00      0      0 3.782005e-05
## CSI076 0.0003468810      0 8.672024e-05      0      0 0.000000e+00
##      0tu00527 0tu00528 0tu00529      0tu00530      0tu00531 0tu00532
## CSI001 4.315399e-03      0      0 0.0000000000 7.270510e-04      0
## CSI012 3.794935e-03      0      0 0.0001379977 1.552474e-03      0
## CSI022 2.366711e-04      0      0 0.0000000000 4.087956e-04      0
## CSI044 0.000000e+00      0      0 0.0000000000 0.000000e+00      0
## CSI055 0.000000e+00      0      0 0.0000000000 1.075708e-04      0
## CSI065 0.000000e+00      0      0 0.0000000000 3.782005e-05      0
## CSI076 8.672024e-05      0      0 0.0002890675 2.890675e-04      0
##      0tu00533 0tu00534 0tu00535      0tu00536      0tu00537 0tu00538
## CSI001 2.345326e-05      0      0 1.172663e-04 1.407195e-04      0
## CSI012 0.000000e+00      0      0 8.624853e-05 3.967433e-04      0
## CSI022 4.389173e-03      0      0 0.000000e+00 1.075778e-04      0
## CSI044 0.000000e+00      0      0 0.000000e+00 1.182942e-04      0
## CSI055 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI065 0.000000e+00      0      0 0.000000e+00 3.782005e-05      0
## CSI076 0.000000e+00      0      0 5.781349e-05 2.890675e-05      0
##      0tu00539      0tu00540      0tu00541      0tu00542      0tu00543
## CSI001 4.690652e-05 2.368779e-03 0.000000e+00 2.650218e-03 0.0007974108
## CSI012 0.000000e+00 3.087698e-03 0.000000e+00 5.347409e-04 0.0014317257
## CSI022 4.303111e-05 1.247902e-03 2.151556e-05 6.454667e-05 0.0024527734
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0000197157
## CSI055 9.466234e-04 0.000000e+00 0.000000e+00 0.000000e+00 0.0001721133
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000
## CSI076 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000
##      0tu00544 0tu00545      0tu00546 0tu00547      0tu00548
## CSI001 0.000000e+00      0 0.0000000000      0 2.345326e-05
## CSI012 1.724971e-05      0 0.0001034982      0 0.000000e+00
## CSI022 0.000000e+00      0 0.0000000000      0 7.530445e-04
## CSI044 0.000000e+00      0 0.0261627334      0 0.000000e+00
## CSI055 4.087692e-04      0 0.0000000000      0 0.000000e+00
## CSI065 1.474982e-03      0 0.0012858818      0 3.782005e-05
## CSI076 4.625079e-04      0 0.0000000000      0 1.445337e-04
##      0tu00549      0tu00550      0tu00551      0tu00552 0tu00553
## CSI001 4.690652e-05 3.048923e-03 0.0014071955 4.690652e-05      0
## CSI012 6.727386e-04 1.379977e-03 0.0025874560 1.724971e-05      0
## CSI022 8.606222e-05 5.594044e-04 0.0008391067 4.303111e-05      0
## CSI044 0.000000e+00 0.000000e+00 0.0000000000 1.971570e-05      0
## CSI055 9.035950e-04 6.454250e-05 0.0000000000 5.206428e-03      0
## CSI065 0.000000e+00 3.782005e-05 0.0000000000 5.294807e-04      0
## CSI076 6.070417e-04 5.781349e-05 0.0000000000 1.300804e-03      0
##      0tu00554      0tu00555      0tu00556 0tu00557 0tu00558
## CSI001 0.0011023031 4.690652e-05 0.000000e+00      0      0
## CSI012 0.0002932450 1.379977e-04 1.724971e-05      0      0
## CSI022 0.0001290933 2.151556e-05 0.000000e+00      0      0
## CSI044 0.0000197157 0.000000e+00 0.000000e+00      0      0
## CSI055 0.0003227125 7.099675e-04 0.000000e+00      0      0
## CSI065 0.0006807609 3.403805e-04 0.000000e+00      0      0
## CSI076 0.0007804822 2.312540e-04 0.000000e+00      0      0
##      0tu00559      0tu00560 0tu00561      0tu00562      0tu00563
## CSI001 1.360289e-03 2.345326e-05      0 0.000000e+00 8.443173e-04
## CSI012 0.000000e+00 0.000000e+00      0 0.000000e+00 2.759953e-04

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## CSI022 6.454667e-05 7.702569e-03      0 0.000000e+00 8.606222e-05
## CSI044 0.000000e+00 0.000000e+00      0 0.000000e+00 5.914710e-05
## CSI055 2.151417e-05 0.000000e+00      0 0.000000e+00 8.605667e-04
## CSI065 7.564010e-05 0.000000e+00      0 0.000000e+00 4.916607e-04
## CSI076 3.179742e-04 0.000000e+00      0 0.000000e+00 2.890675e-04
##      0tu00564      0tu00565      0tu00566 0tu00567 0tu00568
## CSI001 3.048923e-04 2.345326e-05 3.048923e-04      0      0
## CSI012 1.207479e-04 0.000000e+00 3.449941e-05      0      0
## CSI022 4.303111e-05 0.000000e+00 2.151556e-05      0      0
## CSI044 0.000000e+00 9.857850e-05 0.000000e+00      0      0
## CSI055 0.000000e+00 3.872550e-04 1.721133e-04      0      0
## CSI065 0.000000e+00 6.807609e-04 3.782005e-05      0      0
## CSI076 6.648552e-04 5.492282e-04 3.179742e-04      0      0
##      0tu00569 0tu00570      0tu00571 0tu00572 0tu00573 0tu00574
## CSI001 0.0001876261      0 2.345326e-05      0      0      0
## CSI012 0.0005347409      0 0.000000e+00      0      0      0
## CSI022 0.0004518267      0 0.000000e+00      0      0      0
## CSI044 0.0000000000      0 5.914710e-05      0      0      0
## CSI055 0.0001721133      0 1.678105e-03      0      0      0
## CSI065 0.0000756401      0 7.564010e-05      0      0      0
## CSI076 0.0001445337      0 2.283633e-03      0      0      0
##      0tu00575 0tu00576      0tu00577      0tu00578 0tu00579      0tu00580
## CSI001      0      0 0.0003752521 0.0000000000      0 0.000000e+00
## CSI012      0      0 0.0007072380 0.0000000000      0 0.000000e+00
## CSI022      0      0 0.0008606222 0.0000000000      0 0.000000e+00
## CSI044      0      0 0.0000000000 0.0000394314      0 0.000000e+00
## CSI055      0      0 0.0001721133 0.0020008175      0 0.000000e+00
## CSI065      0      0 0.0000000000 0.0002269203      0 7.564010e-05
## CSI076      0      0 0.0001734405 0.0013297104      0 2.023472e-04
##      0tu00581      0tu00582      0tu00583      0tu00584      0tu00585
## CSI001      0 0.000000e+00 1.172663e-04 0.000000e+00 2.345326e-05
## CSI012      0 0.000000e+00 1.724971e-05 0.000000e+00 0.000000e+00
## CSI022      0 2.151556e-05 6.454667e-05 0.000000e+00 0.000000e+00
## CSI044      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055      0 1.097223e-03 6.023967e-04 0.000000e+00 1.505992e-04
## CSI065      0 1.096782e-03 1.134602e-04 0.000000e+00 0.000000e+00
## CSI076      0 2.196913e-03 4.336012e-04 0.000000e+00 0.000000e+00
##      0tu00586      0tu00587      0tu00588      0tu00589      0tu00590
## CSI001      0 0.000000e+00 0.0020638867 0.000000e+00 0.000000e+00
## CSI012      0 0.000000e+00 0.0007244877 0.000000e+00 0.000000e+00
## CSI022      0 0.000000e+00 0.0001506089 0.000000e+00 0.000000e+00
## CSI044      0 0.000000e+00 0.0000000000 1.97157e-05 0.000000e+00
## CSI055      0 8.175383e-04 0.0000645425 0.000000e+00 0.000000e+00
## CSI065      0 0.000000e+00 0.0000756401 0.000000e+00 0.000000e+00
## CSI076      0 2.890675e-05 0.0001445337 0.000000e+00 0.000000e+00
##      0tu00591 0tu00592 0tu00593      0tu00594      0tu00595 0tu00596
## CSI001 1.172663e-04      0      0 0.000000e+00 2.345326e-05      0
## CSI012 6.899883e-05      0      0 3.449941e-05 8.624853e-05      0
## CSI022 2.151556e-05      0      0 6.454667e-05 4.303111e-05      0
## CSI044 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI055 9.251092e-04      0      0 0.000000e+00 0.000000e+00      0
## CSI065 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI076 4.914147e-04      0      0 2.890675e-05 0.000000e+00      0
##      0tu00597      0tu00598      0tu00599 0tu00600 0tu00601

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##	CSI001	7.035977e-04	3.987054e-04	3.189643e-03	0	0
##	CSI012	8.969848e-04	1.673222e-03	1.379977e-04	0	0
##	CSI022	3.012178e-04	3.657644e-04	2.151556e-05	0	0
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI055	8.605667e-05	0.000000e+00	0.000000e+00	0	0
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI076	8.672024e-05	0.000000e+00	0.000000e+00	0	0
##		0tu00602	0tu00603	0tu00604	0tu00605	0tu00606
##	CSI001	9.381303e-05	0.0012664759	0.000000e+00	2.345326e-05	0.000000e+00
##	CSI012	0.000000e+00	0.0012419789	0.000000e+00	0.000000e+00	1.724971e-05
##	CSI022	8.606222e-05	0.0002151556	0.000000e+00	4.303111e-05	2.151556e-05
##	CSI044	1.971570e-05	0.0000000000	3.943140e-05	0.000000e+00	0.000000e+00
##	CSI055	2.796842e-04	0.0005163400	2.151417e-05	0.000000e+00	0.000000e+00
##	CSI065	1.134602e-04	0.0003782005	7.564010e-05	0.000000e+00	0.000000e+00
##	CSI076	9.828294e-04	0.0001734405	0.000000e+00	0.000000e+00	0.000000e+00
##		0tu00607	0tu00608	0tu00609	0tu00610	0tu00611 0tu00612
##	CSI001	0	4.690652e-05	0	4.925184e-04	0.000000e+00 0
##	CSI012	0	7.589871e-04	0	5.174912e-05	0.000000e+00 0
##	CSI022	0	4.303111e-05	0	8.606222e-05	0.000000e+00 0
##	CSI044	0	0.000000e+00	0	0.000000e+00	0.000000e+00 0
##	CSI055	0	1.505992e-03	0	0.000000e+00	5.808825e-04 0
##	CSI065	0	3.782005e-05	0	0.000000e+00	0.000000e+00 0
##	CSI076	0	1.445337e-04	0	0.000000e+00	1.127363e-03 0
##		0tu00613	0tu00614	0tu00615	0tu00616	0tu00617
##	CSI001	7.035977e-05	2.814391e-04	4.690652e-05	0	0
##	CSI012	1.724971e-05	4.312427e-04	5.174912e-05	0	0
##	CSI022	0.000000e+00	6.454667e-05	5.594044e-04	0	0
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI055	3.055012e-03	0.000000e+00	0.000000e+00	0	0
##	CSI065	7.942211e-04	0.000000e+00	0.000000e+00	0	0
##	CSI076	3.353183e-03	0.000000e+00	0.000000e+00	0	0
##		0tu00618	0tu00619	0tu00620	0tu00621	0tu00622
##	CSI001	2.345326e-05	4.690652e-05	2.345326e-05	2.345326e-05	1.196116e-03
##	CSI012	1.724971e-05	2.587456e-04	6.899883e-04	0.000000e+00	4.139930e-04
##	CSI022	0.000000e+00	0.000000e+00	6.669822e-04	0.000000e+00	0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	7.886280e-05	0.000000e+00	0.000000e+00
##	CSI055	0.000000e+00	1.441449e-03	1.721133e-04	0.000000e+00	0.000000e+00
##	CSI065	0.000000e+00	0.000000e+00	1.134602e-04	0.000000e+00	0.000000e+00
##	CSI076	0.000000e+00	1.156270e-04	1.734405e-04	0.000000e+00	0.000000e+00
##		0tu00623	0tu00624	0tu00625	0tu00626	0tu00627
##	CSI001	0.0000000000	4.690652e-05	0.000000e+00	0.0000000000	0
##	CSI012	0.0000000000	1.552474e-04	0.000000e+00	0.0000000000	0
##	CSI022	0.0000000000	8.606222e-05	1.721244e-04	0.0000000000	0
##	CSI044	0.0000000000	3.943140e-05	0.000000e+00	0.0000000000	0
##	CSI055	0.0031840967	0.000000e+00	0.000000e+00	0.0000000000	0
##	CSI065	0.0000000000	3.782005e-05	0.000000e+00	0.0000000000	0
##	CSI076	0.0000000000	0.000000e+00	0.000000e+00	0.0000000000	0
##		0tu00628	0tu00629	0tu00630	0tu00631	0tu00632 0tu00633
##	CSI001	9.381303e-05	0	0	0	0.000000e+00 1.594822e-03
##	CSI012	2.587456e-04	0	0	0	0.000000e+00 5.347409e-04
##	CSI022	5.228280e-03	0	0	0	0.000000e+00 1.420027e-03
##	CSI044	0.000000e+00	0	0	0	0.000000e+00 1.577256e-03
##	CSI055	0.000000e+00	0	0	0	6.454250e-04 0.000000e+00
##	CSI065	0.000000e+00	0	0	0	0.000000e+00 3.782005e-04

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## CSI076 0.000000e+00      0      0      0 8.672024e-05 0.000000e+00
##      0tu00634 0tu00635 0tu00636      0tu00637      0tu00638
## CSI001 0.000000e+00      0      0 7.505042e-04 0.000000e+00
## CSI012 1.724971e-05      0      0 4.484924e-04 0.000000e+00
## CSI022 0.000000e+00      0      0 1.075778e-04 0.000000e+00
## CSI044 1.971570e-05      0      0 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00      0      0 0.000000e+00 3.011983e-04
## CSI065 0.000000e+00      0      0 0.000000e+00 7.564010e-05
## CSI076 2.890675e-05      0      0 5.781349e-05 7.804822e-04
##      0tu00639      0tu00640      0tu00641      0tu00642 0tu00643
## CSI001 0.0019935269 1.477555e-03 0.000000e+00 2.345326e-05      0
## CSI012 0.0011212309 1.431726e-03 0.000000e+00 3.449941e-05      0
## CSI022 0.0006239511 0.000000e+00 4.303111e-05 2.151556e-05      0
## CSI044 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI055 0.0003442267 1.290850e-04 0.000000e+00 0.000000e+00      0
## CSI065 0.0000000000 0.000000e+00 0.000000e+00 3.782005e-04      0
## CSI076 0.0001156270 0.000000e+00 0.000000e+00 1.445337e-04      0
##      0tu00644 0tu00645 0tu00646 0tu00647 0tu00648      0tu00649
## CSI001 1.805901e-03      0      0      0      0 0.000000e+00
## CSI012 1.052232e-03      0      0      0      0 0.000000e+00
## CSI022 4.711907e-03      0      0      0      0 0.000000e+00
## CSI044 1.971570e-05      0      0      0      0 0.000000e+00
## CSI055 0.000000e+00      0      0      0      0 0.000000e+00
## CSI065 3.025604e-04      0      0      0      0 0.000000e+00
## CSI076 0.000000e+00      0      0      0      0 0.000000e+00
##      0tu00650      0tu00651      0tu00652      0tu00653      0tu00654
## CSI001 0.000000e+00 0.000000e+00 0.0052535297 0.000000e+00 0.000000e+00
## CSI012 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00
## CSI022 0.000000e+00 2.151556e-05 0.0000000000 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00 0.0000000000 1.97157e-05 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00 4.302833e-05
## CSI065 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00 1.664082e-03
## CSI076 0.000000e+00 0.000000e+00 0.0012140834 0.000000e+00 2.110193e-03
##      0tu00655      0tu00656      0tu00657      0tu00658      0tu00659
## CSI001 7.035977e-05 0.000000e+00 0.000000e+00 5.628782e-04 0.0010553966
## CSI012 1.724971e-05 0.000000e+00 0.000000e+00 2.449458e-03 0.0007417374
## CSI022 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0001290933
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000
## CSI055 2.000818e-03 2.151417e-05 0.000000e+00 9.896517e-04 0.0000000000
## CSI065 0.000000e+00 0.000000e+00 3.782005e-05 1.891003e-04 0.0000000000
## CSI076 5.116494e-03 3.179742e-04 0.000000e+00 8.672024e-05 0.0000000000
##      0tu00660      0tu00661 0tu00662 0tu00663      0tu00664 0tu00665
## CSI001      0 0.0000000000      0      0 3.517989e-04      0
## CSI012      0 0.0000000000      0      0 2.587456e-04      0
## CSI022      0 0.0000000000      0      0 2.151556e-05      0
## CSI044      0 0.0000000000      0      0 0.000000e+00      0
## CSI055      0 0.0000000000      0      0 0.000000e+00      0
## CSI065      0 0.001966643      0      0 0.000000e+00      0
## CSI076      0 0.0000000000      0      0 0.000000e+00      0
##      0tu00666 0tu00667      0tu00668 0tu00669 0tu00670 0tu00671
## CSI001      0      0 6.566912e-04      0      0      0
## CSI012      0      0 5.864900e-04      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0

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##	CSI055	0	0	1.505992e-04	0	0	0
##	CSI065	0	0	3.025604e-04	0	0	0
##	CSI076	0	0	8.672024e-05	0	0	0
##		0tu00672	0tu00673	0tu00674	0tu00675	0tu00676	
##	CSI001	0.0001172663	0	2.345326e-05	3.517989e-04	0	
##	CSI012	0.0006899883	0	0.000000e+00	1.138481e-03	0	
##	CSI022	0.0000000000	0	0.000000e+00	1.011231e-03	0	
##	CSI044	0.0000000000	0	1.971570e-05	0.000000e+00	0	
##	CSI055	0.0002151417	0	1.441449e-03	0.000000e+00	0	
##	CSI065	0.0000756401	0	9.076813e-04	0.000000e+00	0	
##	CSI076	0.0002023472	0	1.532058e-03	0.000000e+00	0	
##		0tu00677	0tu00678	0tu00679	0tu00680	0tu00681	
##	CSI001	4.690652e-05	0.0000000000	0.000000e+00	3.752521e-04	0.000000e+00	
##	CSI012	0.000000e+00	0.0000000000	0.000000e+00	2.242462e-04	5.174912e-04	
##	CSI022	0.000000e+00	0.0003442489	0.000000e+00	1.721244e-04	1.075778e-04	
##	CSI044	0.000000e+00	0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0.0000000000	0.000000e+00	0.000000e+00	5.808825e-04	
##	CSI065	0.000000e+00	0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	0.000000e+00	0.0000000000	0.000000e+00	0.000000e+00	5.781349e-05	
##		0tu00682	0tu00683	0tu00684	0tu00685	0tu00686	
##	CSI001	4.690652e-05	0.000000e+00	5.534969e-03	0.0008443173	0	
##	CSI012	0.000000e+00	0.000000e+00	0.000000e+00	0.0003967433	0	
##	CSI022	0.000000e+00	0.000000e+00	1.290933e-04	0.0002366711	0	
##	CSI044	0.000000e+00	3.943140e-05	0.000000e+00	0.0000000000	0	
##	CSI055	0.000000e+00	0.000000e+00	1.505992e-04	0.0000000000	0	
##	CSI065	0.000000e+00	0.000000e+00	4.160206e-04	0.0000000000	0	
##	CSI076	0.000000e+00	0.000000e+00	5.781349e-05	0.0000000000	0	
##		0tu00687	0tu00688	0tu00689	0tu00690	0tu00691	0tu00692
##	CSI001	2.345326e-05	0	0.000000e+00	0	0	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI022	2.151556e-05	0	0.000000e+00	0	0	0
##	CSI044	1.971570e-05	0	0.000000e+00	0	0	0
##	CSI055	2.151417e-05	0	0.000000e+00	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI076	2.890675e-05	0	0.000000e+00	0	0	0
##		0tu00693	0tu00694	0tu00695	0tu00696	0tu00697	
##	CSI001	0	0.0000000000	0.0000000000	7.035977e-05	0.000000e+00	
##	CSI012	0	0.0000000000	0.0000000000	1.724971e-04	0.000000e+00	
##	CSI022	0	0.0000000000	0.0022591334	6.454667e-05	2.151556e-05	
##	CSI044	0	0.0000000000	0.0000000000	7.886280e-05	0.000000e+00	
##	CSI055	0	0.0005593683	0.0000000000	2.151417e-05	0.000000e+00	
##	CSI065	0	0.0000756401	0.0003025604	2.647404e-04	3.782005e-05	
##	CSI076	0	0.0001734405	0.0000000000	9.828294e-04	0.000000e+00	
##		0tu00698	0tu00699	0tu00700	0tu00701	0tu00702	0tu00703
##	CSI001	0	2.579858e-04	0.0000000000	0.000000e+00	0	0
##	CSI012	0	5.174912e-05	0.0006209894	1.034982e-04	0	0
##	CSI022	0	2.151556e-05	0.0001075778	6.454667e-05	0	0
##	CSI044	0	0.000000e+00	0.0000000000	0.000000e+00	0	0
##	CSI055	0	2.796842e-03	0.0001505992	2.151417e-05	0	0
##	CSI065	0	3.782005e-05	0.0003782005	0.000000e+00	0	0
##	CSI076	0	7.949355e-03	0.0000000000	2.630514e-03	0	0
##		0tu00704	0tu00705	0tu00706	0tu00707	0tu00708	
##	CSI001	0	7.035977e-05	0.000000e+00	0.000000e+00	0.0000000000	
##	CSI012	0	2.069965e-04	0.000000e+00	0.000000e+00	0.0000000000	

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## CSI022      0 2.452773e-03 4.303111e-05 2.151556e-05 0.0000000000
## CSI044      0 0.000000e+00 1.182942e-04 1.971570e-05 0.0000000000
## CSI055      0 0.000000e+00 0.000000e+00 2.796842e-04 0.0000000000
## CSI065      0 0.000000e+00 0.000000e+00 7.942211e-04 0.0002269203
## CSI076      0 0.000000e+00 0.000000e+00 7.804822e-04 0.0000000000
##      0tu00709      0tu00710 0tu00711      0tu00712      0tu00713
## CSI001 1.641728e-04 0.000000e+00      0 2.345326e-05 3.283456e-04
## CSI012 5.174912e-05 5.174912e-05      0 1.724971e-05 3.449941e-05
## CSI022 8.606222e-05 0.000000e+00      0 8.606222e-05 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0 0.000000e+00 3.943140e-05
## CSI055 7.529958e-04 4.517975e-04      0 0.000000e+00 4.690088e-03
## CSI065 2.647404e-04 1.512802e-04      0 3.782005e-05 4.160206e-04
## CSI076 5.781349e-04 2.225820e-03      0 0.000000e+00 5.723536e-03
##      0tu00714      0tu00715 0tu00716 0tu00717 0tu00718      0tu00719
## CSI001      0 0.000000e+00      0      0      0 0.0000000000
## CSI012      0 0.000000e+00      0      0      0 0.0000000000
## CSI022      0 0.000000e+00      0      0      0 0.0000000000
## CSI044      0 0.000000e+00      0      0      0 0.0001971570
## CSI055      0 7.099675e-04      0      0      0 0.0001075708
## CSI065      0 3.782005e-05      0      0      0 0.0004160206
## CSI076      0 1.011736e-03      0      0      0 0.0061282303
##      0tu00720 0tu00721 0tu00722 0tu00723      0tu00724      0tu00725
## CSI001 2.345326e-05      0      0      0 4.878278e-03 0.000000e+00
## CSI012 3.449941e-05      0      0      0 1.190230e-03 0.000000e+00
## CSI022 2.151556e-05      0      0      0 2.366711e-04 0.000000e+00
## CSI044 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00      0      0      0 4.302833e-05 5.378542e-04
## CSI065 0.000000e+00      0      0      0 0.000000e+00 2.269203e-04
## CSI076 0.000000e+00      0      0      0 8.672024e-05 8.672024e-04
##      0tu00726      0tu00727 0tu00728 0tu00729      0tu00730 0tu00731
## CSI001 7.270510e-04 1.641728e-04      0      0 4.690652e-05      0
## CSI012 8.452356e-04 1.724971e-04      0      0 1.724971e-05      0
## CSI022 1.506089e-04 0.000000e+00      0      0 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI055 1.290850e-04 1.333878e-03      0      0 7.314817e-04      0
## CSI065 3.782005e-05 0.000000e+00      0      0 0.000000e+00      0
## CSI076 5.781349e-05 2.890675e-05      0      0 9.828294e-04      0
##      0tu00732 0tu00733      0tu00734 0tu00735 0tu00736      0tu00737
## CSI001      0      0 0.0000000000      0      0 0.000000e+00
## CSI012      0      0 0.0000000000      0      0 0.000000e+00
## CSI022      0      0 0.0000000000      0      0 0.000000e+00
## CSI044      0      0 0.0000000000      0      0 0.000000e+00
## CSI055      0      0 0.0000000000      0      0 0.000000e+00
## CSI065      0      0 0.0000000000      0      0 0.000000e+00
## CSI076      0      0 0.0006359484      0      0 0.000000e+00
##      0tu00738 0tu00739 0tu00740      0tu00741 0tu00742 0tu00743
## CSI001 0.000000e+00      0      0 7.035977e-05      0      0
## CSI012 0.000000e+00      0      0 3.449941e-05      0      0
## CSI022 2.151556e-05      0      0 6.454667e-05      0      0
## CSI044 0.000000e+00      0      0 0.000000e+00      0      0
## CSI055 1.505992e-04      0      0 4.733117e-04      0      0
## CSI065 0.000000e+00      0      0 6.051208e-04      0      0
## CSI076 0.000000e+00      0      0 4.625079e-04      0      0
##      0tu00744      0tu00745      0tu00746 0tu00747 0tu00748      0tu00749

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##	CSI001	0	0.000000e+00	4.690652e-05	0	0	4.221586e-04
##	CSI012	0	3.449941e-05	9.832333e-04	0	0	2.587456e-04
##	CSI022	0	3.227333e-04	5.163733e-04	0	0	4.303111e-05
##	CSI044	0	0.000000e+00	1.971570e-05	0	0	0.000000e+00
##	CSI055	0	3.764979e-03	0.000000e+00	0	0	0.000000e+00
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	1.134602e-04
##	CSI076	0	8.672024e-05	4.914147e-04	0	0	1.445337e-04
##		0tu00750	0tu00751	0tu00752	0tu00753	0tu00754	
##	CSI001	0	0.00000e+00	0.000000e+00	0.0000000000	1.008490e-03	
##	CSI012	0	0.00000e+00	0.000000e+00	0.0000000000	1.776720e-03	
##	CSI022	0	0.00000e+00	0.000000e+00	0.0002151556	1.721244e-04	
##	CSI044	0	1.97157e-05	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI055	0	0.00000e+00	4.517975e-04	0.0000000000	2.151417e-05	
##	CSI065	0	0.00000e+00	2.269203e-04	0.0000000000	0.000000e+00	
##	CSI076	0	0.00000e+00	1.098456e-03	0.0000000000	0.000000e+00	
##		0tu00755	0tu00756	0tu00757	0tu00758	0tu00759	0tu00760
##	CSI001	7.035977e-05	0	1.078850e-03	0	4.690652e-05	0
##	CSI012	8.624853e-05	0	4.657421e-04	0	0.000000e+00	0
##	CSI022	2.151556e-05	0	4.303111e-05	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	1.971570e-05	0
##	CSI055	0.000000e+00	0	3.872550e-04	0	1.054194e-03	0
##	CSI065	0.000000e+00	0	1.928823e-03	0	1.512802e-04	0
##	CSI076	0.000000e+00	0	1.907845e-03	0	8.672024e-04	0
##		0tu00761	0tu00762	0tu00763	0tu00764	0tu00765	
##	CSI001	9.381303e-05	0.0000000000	0.000000e+00	4.690652e-04	1.407195e-04	
##	CSI012	8.624853e-05	0.0000000000	8.624853e-05	6.037397e-04	6.485890e-03	
##	CSI022	0.000000e+00	0.0000000000	0.000000e+00	3.872800e-04	2.861569e-03	
##	CSI044	2.011001e-03	0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0.003980121	0.000000e+00	2.151417e-05	0.000000e+00	
##	CSI065	0.000000e+00	0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	0.000000e+00	0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu00766	0tu00767	0tu00768	0tu00769	0tu00770	
##	CSI001	0.000000e+00	6.566912e-04	0	1.172663e-03	0.000000e+00	
##	CSI012	2.069965e-04	2.069965e-04	0	4.829918e-04	0.000000e+00	
##	CSI022	1.075778e-04	0.000000e+00	0	4.303111e-04	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0	9.857850e-05	0.000000e+00	
##	CSI055	2.151417e-04	2.366558e-04	0	1.290850e-04	0.000000e+00	
##	CSI065	1.134602e-04	0.000000e+00	0	1.512802e-04	0.000000e+00	
##	CSI076	2.890675e-05	5.492282e-04	0	7.226687e-04	2.890675e-05	
##		0tu00771	0tu00772	0tu00773	0tu00774	0tu00775	0tu00776
##	CSI001	0	2.345326e-05	0	0	0.000000e+00	3.048923e-04
##	CSI012	0	5.174912e-05	0	0	0.000000e+00	1.121231e-03
##	CSI022	0	3.442489e-04	0	0	6.454667e-05	6.454667e-05
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI065	0	0.000000e+00	0	0	1.883439e-02	1.134602e-04
##	CSI076	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##		0tu00777	0tu00778	0tu00779	0tu00780	0tu00781	
##	CSI001	0.0020638867	5.863314e-04	0	3.987054e-04	0	
##	CSI012	0.0016387221	1.034982e-04	0	4.657421e-04	0	
##	CSI022	0.0017642756	8.606222e-05	0	1.936400e-04	0	
##	CSI044	0.0000000000	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0.0000000000	1.075708e-04	0	3.657408e-04	0	
##	CSI065	0.0000000000	0.000000e+00	0	0.000000e+00	0	

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## CSI076 0.0000000000 0.000000e+00      0 8.093889e-04      0
##      0tu00782      0tu00783      0tu00784      0tu00785 0tu00786
## CSI001 1.172663e-03 1.641728e-04 0.0000000000 0.000000e+00      0
## CSI012 1.431726e-03 0.000000e+00 0.0000000000 2.414959e-04      0
## CSI022 6.024356e-04 0.000000e+00 0.0000000000 5.594044e-04      0
## CSI044 0.000000e+00 7.886280e-05 0.0043966010 0.000000e+00      0
## CSI055 0.000000e+00 0.000000e+00 0.0037004367 0.000000e+00      0
## CSI065 3.782005e-05 0.000000e+00 0.0001891003 0.000000e+00      0
## CSI076 0.000000e+00 2.890675e-05 0.0000000000 0.000000e+00      0
##      0tu00787      0tu00788      0tu00789      0tu00790 0tu00791
## CSI001 0.0000000000 0.000000e+00 7.270510e-04 1.407195e-04      0
## CSI012 0.0001724971 0.000000e+00 1.034982e-04 1.379977e-04      0
## CSI022 0.0007315289 0.000000e+00 0.000000e+00 2.151556e-05      0
## CSI044 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI055 0.0006239108 0.000000e+00 5.593683e-04 1.936275e-04      0
## CSI065 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI076 0.0002023472 0.000000e+00 5.781349e-05 2.890675e-05      0
##      0tu00792      0tu00793      0tu00794      0tu00795 0tu00796 0tu00797
## CSI001      0 0.000000e+00 2.345326e-05 2.345326e-05      0      0
## CSI012      0 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI022      0 0.000000e+00 0.000000e+00 2.581867e-04      0      0
## CSI044      0 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI055      0 0.000000e+00 0.000000e+00 6.454250e-05      0      0
## CSI065      0 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI076      0 0.000000e+00 0.000000e+00 0.000000e+00      0      0
##      0tu00798 0tu00799 0tu00800      0tu00801      0tu00802 0tu00803
## CSI001 0.000000e+00      0      0 4.690652e-05 0.000000e+00      0
## CSI012 5.347409e-04      0      0 0.000000e+00 0.000000e+00      0
## CSI022 2.151556e-05      0      0 1.075778e-04 0.000000e+00      0
## CSI044 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI055 8.605667e-05      0      0 4.302833e-05 1.290850e-04      0
## CSI065 1.134602e-04      0      0 0.000000e+00 7.564010e-05      0
## CSI076 0.000000e+00      0      0 0.000000e+00 1.156270e-04      0
##      0tu00804      0tu00805      0tu00806      0tu00807      0tu00808
## CSI001      0 9.381303e-05 0.000000e+00 7.035977e-05 0.000000e+00
## CSI012      0 2.587456e-04 0.000000e+00 5.312910e-03 0.000000e+00
## CSI022      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044      0 0.000000e+00 5.914710e-05 0.000000e+00 1.971570e-05
## CSI055      0 0.000000e+00 3.872550e-04 0.000000e+00 0.000000e+00
## CSI065      0 0.000000e+00 1.134602e-04 0.000000e+00 0.000000e+00
## CSI076      0 0.000000e+00 5.781349e-05 1.156270e-04 0.000000e+00
##      0tu00809 0tu00810      0tu00811      0tu00812      0tu00813
## CSI001 1.196116e-03      0 1.172663e-04 2.579858e-04 0.000000e+00
## CSI012 7.244877e-04      0 1.724971e-05 0.000000e+00 0.000000e+00
## CSI022 2.581867e-04      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 4.302833e-05      0 6.454250e-05 6.454250e-05 8.820809e-04
## CSI065 0.000000e+00      0 0.000000e+00 0.000000e+00 4.160206e-04
## CSI076 5.781349e-05      0 8.672024e-05 9.828294e-04 6.359484e-04
##      0tu00814 0tu00815      0tu00816 0tu00817      0tu00818
## CSI001 4.690652e-05      0 9.615836e-04      0 0.0000000000
## CSI012 6.899883e-05      0 8.279859e-04      0 0.0000000000
## CSI022 2.151556e-05      0 1.011231e-03      0 0.0000000000
## CSI044 0.000000e+00      0 0.000000e+00      0 0.0000000000

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## CSI055 2.796842e-04      0 0.000000e+00      0 0.0000000000
## CSI065 0.000000e+00      0 0.000000e+00      0 0.0001134602
## CSI076 0.000000e+00      0 0.000000e+00      0 0.0000000000
##      0tu00819      0tu00820      0tu00821 0tu00822 0tu00823
## CSI001 0.000000e+00 6.332380e-04 0.0000000000      0      0
## CSI012 0.000000e+00 2.587456e-04 0.0000000000      0      0
## CSI022 0.000000e+00 4.087956e-04 0.003636129      0      0
## CSI044 0.000000e+00 0.000000e+00 0.0000000000      0      0
## CSI055 2.151417e-05 0.000000e+00 0.0000000000      0      0
## CSI065 0.000000e+00 0.000000e+00 0.0000000000      0      0
## CSI076 0.000000e+00 0.000000e+00 0.0000000000      0      0
##      0tu00824      0tu00825      0tu00826      0tu00827      0tu00828
## CSI001 0.000000e+00 0.000000e+00 0.0002345326 1.641728e-04 1.641728e-04
## CSI012 0.000000e+00 1.724971e-05 0.0001897468 6.899883e-05 1.241979e-03
## CSI022 0.000000e+00 1.290933e-04 0.0000000000 3.313396e-03 2.151556e-05
## CSI044 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00 1.971570e-05
## CSI055 0.000000e+00 0.000000e+00 0.0004948258 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00 0.0005781349 0.000000e+00 1.503151e-03
##      0tu00829      0tu00830      0tu00831      0tu00832      0tu00833
## CSI001 0.000000e+00 0.0006097847 0.000000e+00 0.0004690652 1.923167e-03
## CSI012 0.000000e+00 0.0004484924 0.000000e+00 0.0011039812 1.224729e-03
## CSI022 0.000000e+00 0.0006239511 0.000000e+00 0.0009466845 1.506089e-04
## CSI044 0.000000e+00 0.0000000000 0.000000e+00 0.0000000000 0.000000e+00
## CSI055 6.454250e-05 0.0000000000 0.000000e+00 0.0000000000 8.605667e-05
## CSI065 0.000000e+00 0.0000000000 0.000000e+00 0.0000000000 0.000000e+00
## CSI076 5.781349e-05 0.0000000000 2.890675e-04 0.0000000000 1.734405e-04
##      0tu00834      0tu00835 0tu00836      0tu00837      0tu00838
## CSI001 2.110793e-04 5.863314e-04      0 0.000000e+00 1.172663e-04
## CSI012 1.207479e-04 5.692403e-04      0 0.000000e+00 1.207479e-04
## CSI022 0.000000e+00 6.454667e-05      0 0.000000e+00 2.151556e-05
## CSI044 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI055 1.290850e-04 0.000000e+00      0 0.000000e+00 4.948258e-04
## CSI065 0.000000e+00 0.000000e+00      0 1.512802e-04 3.782005e-05
## CSI076 5.492282e-04 2.890675e-05      0 0.000000e+00 3.613343e-03
##      0tu00839 0tu00840      0tu00841 0tu00842 0tu00843 0tu00844
## CSI001      0      0 0.000000e+00      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0
## CSI022      0      0 2.151556e-05      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0
## CSI055      0      0 4.302833e-05      0      0      0
## CSI065      0      0 7.942211e-04      0      0      0
## CSI076      0      0 1.156270e-04      0      0      0
##      0tu00845      0tu00846 0tu00847 0tu00848 0tu00849      0tu00850
## CSI001 1.172663e-04 0.000000e+00      0      0      0 4.690652e-05
## CSI012 6.899883e-05 0.000000e+00      0      0      0 0.000000e+00
## CSI022 1.290933e-04 0.000000e+00      0      0      0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI055 0.000000e+00 4.302833e-05      0      0      0 6.454250e-05
## CSI065 2.307023e-03 7.110170e-03      0      0      0 0.000000e+00
## CSI076 5.781349e-05 3.468810e-04      0      0      0 2.890675e-05
##      0tu00851      0tu00852 0tu00853      0tu00854 0tu00855 0tu00856
## CSI001 0.0000000000 7.035977e-05      0 7.035977e-04      0      0
## CSI012 0.0000000000 8.624853e-05      0 5.174912e-04      0      0

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##	CSI022	0.0000000000	0.000000e+00	0	1.011231e-03	0	0
##	CSI044	0.0000000000	0.000000e+00	0	0.000000e+00	0	0
##	CSI055	0.0000000000	8.390525e-04	0	8.605667e-05	0	0
##	CSI065	0.0000000000	3.782005e-05	0	3.782005e-05	0	0
##	CSI076	0.0004336012	6.359484e-04	0	0.000000e+00	0	0
##		0tu00857	0tu00858	0tu00859	0tu00860	0tu00861	
##	CSI001	0	3.752521e-04	2.345326e-05	1.336836e-03	9.381303e-05	
##	CSI012	0	7.762368e-04	1.724971e-05	0.000000e+00	0.000000e+00	
##	CSI022	0	2.151556e-05	6.454667e-05	0.000000e+00	0.000000e+00	
##	CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0	0.000000e+00	6.669392e-04	0.000000e+00	1.290850e-04	
##	CSI065	0	3.782005e-05	1.134602e-04	0.000000e+00	7.564010e-05	
##	CSI076	0	0.000000e+00	8.672024e-04	3.468810e-04	3.121929e-03	
##		0tu00862	0tu00863	0tu00864	0tu00865	0tu00866	0tu00867
##	CSI001	4.221586e-04	0	0.000000e+00	0	0.000000e+00	0
##	CSI012	3.794935e-04	0	8.624853e-05	0	2.069965e-04	0
##	CSI022	8.606222e-05	0	0.000000e+00	0	2.151556e-05	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI055	3.227125e-04	0	0.000000e+00	0	0.000000e+00	0
##	CSI065	7.564010e-05	0	2.647404e-04	0	0.000000e+00	0
##	CSI076	4.336012e-04	0	5.781349e-05	0	2.023472e-04	0
##		0tu00868	0tu00869	0tu00870	0tu00871	0tu00872	0tu00873
##	CSI001	0.0010319433	0	0	0.0009381303	0.000000e+00	0
##	CSI012	0.0021389636	0	0	0.0017939695	0.000000e+00	0
##	CSI022	0.0007960756	0	0	0.0009251689	2.151556e-05	0
##	CSI044	0.0000000000	0	0	0.0000000000	0.000000e+00	0
##	CSI055	0.0000000000	0	0	0.0000000000	1.505992e-04	0
##	CSI065	0.0000000000	0	0	0.0000000000	0.000000e+00	0
##	CSI076	0.0000000000	0	0	0.0000000000	1.040643e-03	0
##		0tu00874	0tu00875	0tu00876	0tu00877	0tu00878	0tu00879
##	CSI001	0	3.517989e-04	0	0	0.000000e+00	5.628782e-04
##	CSI012	0	0.000000e+00	0	0	8.624853e-05	6.382391e-04
##	CSI022	0	4.303111e-05	0	0	0.000000e+00	6.024356e-04
##	CSI044	0	0.000000e+00	0	0	1.182942e-04	0.000000e+00
##	CSI055	0	0.000000e+00	0	0	1.118737e-03	0.000000e+00
##	CSI065	0	0.000000e+00	0	0	3.782005e-05	0.000000e+00
##	CSI076	0	0.000000e+00	0	0	2.601607e-04	0.000000e+00
##		0tu00880	0tu00881	0tu00882	0tu00883	0tu00884	
##	CSI001	2.814391e-04	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI012	8.107362e-04	0.000000e+00	1.724971e-05	1.724971e-05	0	
##	CSI022	1.290933e-04	6.454667e-05	0.000000e+00	0.000000e+00	0	
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI055	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI076	2.890675e-05	0.000000e+00	0.000000e+00	0.000000e+00	0	
##		0tu00885	0tu00886	0tu00887	0tu00888	0tu00889	
##	CSI001	7.035977e-05	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI012	0.000000e+00	3.449941e-05	0	1.724971e-05	0.000000e+00	
##	CSI022	8.606222e-05	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI076	0.000000e+00	0.000000e+00	0	4.393826e-03	2.890675e-05	
##		0tu00890	0tu00891	0tu00892	0tu00893	0tu00894	

##	CSI001	0	0.000000e+00	5.628782e-04	7.035977e-05	4.690652e-05
##	CSI012	0	0.000000e+00	0.000000e+00	3.449941e-05	1.724971e-05
##	CSI022	0	6.454667e-05	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI055	0	0.000000e+00	4.517975e-04	0.000000e+00	0.000000e+00
##	CSI065	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI076	0	0.000000e+00	4.336012e-04	4.625079e-04	0.000000e+00
##		0tu00895	0tu00896	0tu00897	0tu00898	0tu00899
##	CSI001	7.035977e-05	0.000000e+00	2.157700e-03	8.912238e-04	0.0002579858
##	CSI012	2.759953e-04	0.000000e+00	0.000000e+00	3.449941e-05	0.0003104947
##	CSI022	4.303111e-05	0.000000e+00	2.151556e-03	0.000000e+00	0.0001721244
##	CSI044	0.000000e+00	0.000000e+00	1.971570e-05	1.971570e-05	0.0000000000
##	CSI055	2.366558e-04	3.011983e-04	2.151417e-05	4.948258e-04	0.0000000000
##	CSI065	0.000000e+00	3.782005e-04	0.000000e+00	7.942211e-04	0.0000000000
##	CSI076	2.023472e-04	2.890675e-05	3.468810e-04	1.734405e-04	0.0000000000
##		0tu00900	0tu00901	0tu00902	0tu00903	0tu00904
##	CSI001	0.000000e+00	0.0000000000	2.345326e-05	0	0.000000e+00
##	CSI012	0.000000e+00	0.0000000000	3.449941e-05	0	0.000000e+00
##	CSI022	0.000000e+00	0.0000000000	0.000000e+00	0	2.581867e-04
##	CSI044	0.000000e+00	0.0000000000	0.000000e+00	0	0.000000e+00
##	CSI055	4.302833e-05	0.0003227125	0.000000e+00	0	3.011983e-04
##	CSI065	0.000000e+00	0.0003025604	0.000000e+00	0	0.000000e+00
##	CSI076	0.000000e+00	0.0013297104	0.000000e+00	0	0.000000e+00
##		0tu00905	0tu00906	0tu00907	0tu00908	0tu00909
##	CSI001	0.000000e+00	2.345326e-05	0	0	0.000000e+00
##	CSI012	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI022	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI055	0.000000e+00	0.000000e+00	0	0	2.151417e-05
##	CSI065	0.000000e+00	0.000000e+00	0	0	1.682992e-02
##	CSI076	1.445337e-04	4.740706e-03	0	0	0.000000e+00
##		0tu00910	0tu00911	0tu00912	0tu00913	0tu00914
##	CSI001	0.000000e+00	0	0	2.345326e-05	2.345326e-04
##	CSI012	0.000000e+00	0	0	0.000000e+00	1.034982e-04
##	CSI022	0.000000e+00	0	0	4.303111e-05	2.151556e-05
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI055	0.000000e+00	0	0	2.323530e-03	0.000000e+00
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI076	0.000000e+00	0	0	2.196913e-03	0.000000e+00
##		0tu00915	0tu00916	0tu00917	0tu00918	0tu00919
##	CSI001	0.000000e+00	0.000000e+00	4.690652e-05	1.172663e-04	0
##	CSI012	0.000000e+00	1.724971e-05	3.449941e-05	0.000000e+00	0
##	CSI022	0.000000e+00	0.000000e+00	2.366711e-04	8.606222e-05	0
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	3.943140e-05	0
##	CSI055	0.000000e+00	0.000000e+00	0.000000e+00	2.538672e-03	0
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	7.564010e-05	0
##	CSI076	1.445337e-04	0.000000e+00	0.000000e+00	2.890675e-04	0
##		0tu00920	0tu00921	0tu00922	0tu00923	0tu00924
##	CSI001	0	0	0	1.196116e-03	0
##	CSI012	0	0	0	1.328227e-03	0
##	CSI022	0	0	0	2.581867e-04	0
##	CSI044	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	3.782005e-05	0
##	CSI076	0	0	0	1.134602e-04	0

##	CSI076	0	0	0 0.000000e+00	0 0.000000e+00	
##		0tu00926	0tu00927	0tu00928	0tu00929	0tu00930
##	CSI001	0	0 0.000000e+00	0.000000e+00	0	7.035977e-05
##	CSI012	0	0 0.000000e+00	0.000000e+00	0	3.449941e-05
##	CSI022	0	0 0.000000e+00	2.151556e-05	0	0.000000e+00
##	CSI044	0	0 0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI055	0	0 0.000000e+00	0.000000e+00	0	3.011983e-04
##	CSI065	0	0 0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI076	0	0 5.781349e-05	0.000000e+00	0	8.961092e-04
##		0tu00932	0tu00933	0tu00934	0tu00935	0tu00936
##	CSI001	0.0003987054	0.000000e+00	0	0	1.219569e-03
##	CSI012	0.0000000000	1.724971e-05	0	0	5.347409e-04
##	CSI022	0.0001721244	0.000000e+00	0	0	3.012178e-04
##	CSI044	0.0000000000	0.000000e+00	0	0	0.000000e+00
##	CSI055	0.0008390525	0.000000e+00	0	0	0.000000e+00
##	CSI065	0.0000000000	0.000000e+00	0	0	0.000000e+00
##	CSI076	0.0003179742	0.000000e+00	0	0	0.000000e+00
##		0tu00937	0tu00938	0tu00939	0tu00940	0tu00941
##	CSI001	0.000000e+00	9.381303e-05	0	4.221586e-04	0
##	CSI012	0.000000e+00	1.552474e-04	0	1.034982e-04	0
##	CSI022	0.000000e+00	4.303111e-05	0	9.466845e-04	0
##	CSI044	0.000000e+00	1.577256e-04	0	0.000000e+00	0
##	CSI055	0.000000e+00	2.151417e-05	0	2.151417e-05	0
##	CSI065	0.000000e+00	0.000000e+00	0	4.160206e-04	0
##	CSI076	0.000000e+00	3.757877e-04	0	1.358617e-03	0
##		0tu00942	0tu00943	0tu00944	0tu00945	0tu00946
##	CSI001	0.000000e+00	0 0.000000e+00	0	0.0000000000	0
##	CSI012	3.449941e-05	0 3.449941e-05	0	0.0000000000	0
##	CSI022	0.000000e+00	0 0.000000e+00	0	0.0000000000	0
##	CSI044	0.000000e+00	0 0.000000e+00	0	0.0000000000	0
##	CSI055	0.000000e+00	0 1.290850e-04	0	0.0000000000	0
##	CSI065	0.000000e+00	0 0.000000e+00	0	0.0000000000	0
##	CSI076	8.672024e-05	0 8.672024e-05	0	0.0000000000	0
##		0tu00948	0tu00949	0tu00950	0tu00951	0tu00952
##	CSI001	0	0 9.381303e-05	4.221586e-04	1.407195e-04	
##	CSI012	0	0 1.379977e-04	4.657421e-04	1.034982e-04	
##	CSI022	0	0 0.000000e+00	1.290933e-04	1.506089e-04	
##	CSI044	0	0 0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0	0 1.936275e-04	0.000000e+00	4.302833e-05	
##	CSI065	0	0 0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	0	0 2.023472e-04	0.000000e+00	0.000000e+00	
##		0tu00953	0tu00954	0tu00955	0tu00956	0tu00957
##	CSI001	2.345326e-05	0 0.0000000000	0.0000000000	0	
##	CSI012	0.000000e+00	0 0.0000000000	0.0002587456	0	
##	CSI022	0.000000e+00	0 0.0000000000	0.0001721244	0	
##	CSI044	0.000000e+00	0 0.0000000000	0.0000000000	0	
##	CSI055	0.000000e+00	0 0.0011402509	0.0000000000	0	
##	CSI065	0.000000e+00	0 0.0003025604	0.0000000000	0	
##	CSI076	0.000000e+00	0 0.0003179742	0.0000000000	0	
##		0tu00958	0tu00959	0tu00960	0tu00961	0tu00962
##	CSI001	0.0000000000	0.000000e+00	0	0	0
##	CSI012	0.0000000000	3.449941e-05	0	0	0
##	CSI022	0.0000000000	0.000000e+00	0	0	0
##	CSI044	0.0000000000	0.000000e+00	0	0	0

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## CSI055 0.0000000000 0.000000e+00      0      0      0      0
## CSI065 0.0000000000 0.000000e+00      0      0      0      0
## CSI076 0.0006937619 0.000000e+00      0      0      0      0
##      0tu00964 0tu00965 0tu00966 0tu00967      0tu00968 0tu00969
## CSI001      0      0      0      0 1.172663e-03      0
## CSI012      0      0      0      0 1.086732e-03      0
## CSI022      0      0      0      0 1.506089e-03      0
## CSI044      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0 0.000000e+00      0
##      0tu00970      0tu00971      0tu00972 0tu00973      0tu00974
## CSI001 0.000000e+00 2.814391e-04 0.0011257564      0 0.0000000000
## CSI012 0.000000e+00 1.724971e-05 0.0007417374      0 0.0000000000
## CSI022 7.358320e-03 0.000000e+00 0.0001290933      0 0.0000000000
## CSI044 0.000000e+00 0.000000e+00 0.0000000000      0 0.0000000000
## CSI055 0.000000e+00 2.151417e-05 0.0000000000      0 0.0004302833
## CSI065 0.000000e+00 0.000000e+00 0.0000000000      0 0.0000000000
## CSI076 0.000000e+00 1.127363e-03 0.0000000000      0 0.0000000000
##      0tu00975 0tu00976      0tu00977      0tu00978 0tu00979 0tu00980
## CSI001      0      0 4.456119e-04 0.0011257564      0      0
## CSI012      0      0 1.052232e-03 0.0001897468      0      0
## CSI022      0      0 4.303111e-04 0.0001290933      0      0
## CSI044      0      0 1.971570e-05 0.0000000000      0      0
## CSI055      0      0 0.000000e+00 0.0000000000      0      0
## CSI065      0      0 2.647404e-04 0.0000000000      0      0
## CSI076      0      0 0.000000e+00 0.0003179742      0      0
##      0tu00981 0tu00982      0tu00983      0tu00984      0tu00985
## CSI001 2.345326e-05      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI012 1.724971e-05      0 0.000000e+00 0.000000e+00 1.724971e-05
## CSI022 2.797022e-04      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 6.454250e-05      0 0.000000e+00 0.000000e+00 1.505992e-04
## CSI065 4.160206e-04      0 0.000000e+00 3.782005e-05 3.782005e-05
## CSI076 2.890675e-05      0 3.468810e-04 0.000000e+00 7.515754e-04
##      0tu00986 0tu00987      0tu00988      0tu00989      0tu00990 0tu00991
## CSI001      0      0 2.345326e-05 0.000000e+00 0.000000e+00      0
## CSI012      0      0 0.000000e+00 2.587456e-04 0.000000e+00      0
## CSI022      0      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI044      0      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI055      0      0 0.000000e+00 1.398421e-03 0.000000e+00      0
## CSI065      0      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI076      0      0 0.000000e+00 5.492282e-03 0.000000e+00      0
##      0tu00992 0tu00993      0tu00994 0tu00995      0tu00996      0tu00997
## CSI001      0      0 0.0000000000      0 0.000000e+00 0.000000e+00
## CSI012      0      0 0.0000000000      0 0.000000e+00 0.000000e+00
## CSI022      0      0 0.0000000000      0 0.000000e+00 0.000000e+00
## CSI044      0      0 0.0000394314      0 0.000000e+00 0.000000e+00
## CSI055      0      0 0.0000645425      0 0.000000e+00 0.000000e+00
## CSI065      0      0 0.0000000000      0 0.000000e+00 0.000000e+00
## CSI076      0      0 0.0000000000      0 0.000000e+00 0.000000e+00
##      0tu00998 0tu00999      0tu01000 0tu01001      0tu01002 0tu01003
## CSI001      0      0 0.000000e+00      0 3.517989e-04      0
## CSI012      0      0 0.000000e+00      0 1.034982e-04      0

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##	CSI022	0	0 0.000000e+00	0 0.000000e+00	0
##	CSI044	0	0 3.943140e-05	0 0.000000e+00	0
##	CSI055	0	0 8.605667e-05	0 6.454250e-04	0
##	CSI065	0	0 1.512802e-04	0 1.134602e-04	0
##	CSI076	0	0 2.890675e-05	0 1.156270e-04	0
##		0tu01004	0tu01005	0tu01006	0tu01007 0tu01008
##	CSI001	0.000000e+00	0	0 1.641728e-04	0.0002110793
##	CSI012	0.000000e+00	0	0 1.034982e-04	0.0028634513
##	CSI022	0.000000e+00	0	0 2.280649e-03	0.0001075778
##	CSI044	0.000000e+00	0	0 0.000000e+00	0.0000000000
##	CSI055	0.000000e+00	0	0 4.302833e-05	0.0000000000
##	CSI065	0.000000e+00	0	0 0.000000e+00	0.0000000000
##	CSI076	0.000000e+00	0	0 0.000000e+00	0.0000000000
##		0tu01009	0tu01010	0tu01011	0tu01012 0tu01013
##	CSI001	1.172663e-04	4.596839e-03	0.000000e+00	0.000000e+00 0
##	CSI012	1.207479e-04	0.000000e+00	0.000000e+00	0.000000e+00 0
##	CSI022	6.454667e-04	0.000000e+00	0.000000e+00	2.151556e-05 0
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00 0
##	CSI055	0.000000e+00	1.635077e-03	0.000000e+00	1.936275e-04 0
##	CSI065	1.891003e-04	0.000000e+00	0.000000e+00	7.564010e-05 0
##	CSI076	1.156270e-04	0.000000e+00	0.000000e+00	4.625079e-04 0
##		0tu01014	0tu01015	0tu01016	0tu01017 0tu01018
##	CSI001	0 1.735541e-03	0.000000e+00	0.0001407195	2.345326e-05
##	CSI012	0 5.864900e-04	1.724971e-05	0.0005519906	0.000000e+00
##	CSI022	0 8.606222e-05	0.000000e+00	0.0006024356	0.000000e+00
##	CSI044	0 0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00
##	CSI055	0 0.000000e+00	2.581700e-03	0.0000000000	1.613563e-03
##	CSI065	0 0.000000e+00	7.564010e-05	0.0000000000	3.782005e-05
##	CSI076	0 5.781349e-05	1.445337e-04	0.0000000000	2.890675e-04
##		0tu01019	0tu01020	0tu01021	0tu01022 0tu01023
##	CSI001	1.665181e-03	0.000000e+00	0.0018293541	9.381303e-05 1.407195e-04
##	CSI012	7.417374e-04	0.000000e+00	0.0013627268	5.174912e-05 0.000000e+00
##	CSI022	4.303111e-05	0.000000e+00	0.0001290933	0.000000e+00 0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00 0.000000e+00
##	CSI055	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00 4.302833e-05
##	CSI065	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00 0.000000e+00
##	CSI076	0.000000e+00	5.781349e-05	0.0002890675	5.781349e-05 0.000000e+00
##		0tu01024	0tu01025	0tu01026	0tu01027 0tu01028
##	CSI001	0.000000e+00	0.000000e+00	0	0 0.000000e+00
##	CSI012	0.000000e+00	0.000000e+00	0	0 0.000000e+00
##	CSI022	0.000000e+00	0.000000e+00	0	0 0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	0	0 0.000000e+00
##	CSI055	0.000000e+00	2.151417e-05	0	0 4.087692e-04
##	CSI065	3.782005e-05	3.782005e-05	0	0 0.000000e+00
##	CSI076	0.000000e+00	9.828294e-04	0	0 3.757877e-04
##		0tu01029	0tu01030	0tu01031	0tu01032 0tu01033
##	CSI001	1.196116e-03	1.407195e-04	0.0000000000	4.221586e-04 0
##	CSI012	6.382391e-04	4.657421e-04	0.0000000000	6.209894e-04 0
##	CSI022	1.506089e-04	8.606222e-05	0.0000000000	2.151556e-04 0
##	CSI044	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00 0
##	CSI055	0.000000e+00	2.366558e-04	0.000645425	4.302833e-04 0
##	CSI065	3.782005e-05	0.000000e+00	0.0000000000	0.000000e+00 0
##	CSI076	0.000000e+00	8.672024e-05	0.0000000000	1.734405e-04 0
##		0tu01034	0tu01035	0tu01036	0tu01037 0tu01038

##	CSI001	0.000000e+00	0	0.000000e+00	0.00000e+00	0
##	CSI012	0.000000e+00	0	1.724971e-05	0.00000e+00	0
##	CSI022	0.000000e+00	0	0.000000e+00	0.00000e+00	0
##	CSI044	0.000000e+00	0	0.000000e+00	0.00000e+00	0
##	CSI055	0.000000e+00	0	0.000000e+00	0.00000e+00	0
##	CSI065	7.564010e-05	0	0.000000e+00	7.56401e-05	0
##	CSI076	5.781349e-05	0	0.000000e+00	0.00000e+00	0
##		0tu01039	0tu01040	0tu01041	0tu01042	0tu01043
##	CSI001	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0.00000e+00
##	CSI012	0.000000e+00	0.000000e+00	1.724971e-05	0.0001724971	0.00000e+00
##	CSI022	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0.00000e+00
##	CSI044	0.000000e+00	7.886280e-05	0.000000e+00	0.0002957355	1.97157e-05
##	CSI055	0.000000e+00	1.161765e-03	0.000000e+00	0.0000000000	0.00000e+00
##	CSI065	0.000000e+00	1.512802e-04	0.000000e+00	0.0001891003	0.00000e+00
##	CSI076	0.000000e+00	2.890675e-05	0.000000e+00	0.0001445337	0.00000e+00
##		0tu01044	0tu01045	0tu01046	0tu01047	0tu01048
##	CSI001	2.345326e-05	0.0000000000	0	0	0 9.381303e-05
##	CSI012	4.829918e-04	0.0000000000	0	0	0 3.449941e-05
##	CSI022	1.936400e-04	0.0000000000	0	0	0 0.000000e+00
##	CSI044	0.000000e+00	0.0000000000	0	0	0 0.000000e+00
##	CSI055	0.000000e+00	0.0000645425	0	0	0 8.390525e-04
##	CSI065	0.000000e+00	0.0000000000	0	0	0 0.000000e+00
##	CSI076	2.890675e-05	0.0001445337	0	0	0 6.677459e-03
##		0tu01050	0tu01051	0tu01052	0tu01053	0tu01054
##	CSI001	7.035977e-05	0	0.000000e+00	0.0000000000	0.000000e+00
##	CSI012	0.000000e+00	0	0.000000e+00	0.0000000000	0.000000e+00
##	CSI022	0.000000e+00	0	0.000000e+00	0.0000000000	0.000000e+00
##	CSI044	0.000000e+00	0	0.000000e+00	0.0000000000	0.000000e+00
##	CSI055	0.000000e+00	0	3.011983e-04	0.0001075708	0.000000e+00
##	CSI065	0.000000e+00	0	0.000000e+00	0.0000000000	0.000000e+00
##	CSI076	0.000000e+00	0	2.890675e-05	0.0009828294	8.672024e-05
##		0tu01055	0tu01056	0tu01057	0tu01058	0tu01059
##	CSI001	9.381303e-05	0	0	0	0 0.000000e+00
##	CSI012	1.724971e-05	0	0	0	0 0.000000e+00
##	CSI022	1.290933e-04	0	0	0	0 0.000000e+00
##	CSI044	0.000000e+00	0	0	0	0 0.000000e+00
##	CSI055	0.000000e+00	0	0	0	0 3.377724e-03
##	CSI065	0.000000e+00	0	0	0	0 0.000000e+00
##	CSI076	0.000000e+00	0	0	0	0 0.000000e+00
##		0tu01061	0tu01062	0tu01063	0tu01064	0tu01065
##	CSI001	0.000000e+00	0	0	0	0.0000000000
##	CSI012	1.724971e-05	0	0	0	0.0000000000
##	CSI022	0.000000e+00	0	0	0	0.0000000000
##	CSI044	0.000000e+00	0	0	0	0.0000000000
##	CSI055	0.000000e+00	0	0	0	0.0000000000
##	CSI065	0.000000e+00	0	0	0	0.0000000000
##	CSI076	0.000000e+00	0	0	0	0.0000000000
##		0tu01067	0tu01068	0tu01069	0tu01070	0tu01071
##	CSI001	0	0	7.270510e-04	0.0000000000	0
##	CSI012	0	0	2.587456e-04	0.0000000000	0
##	CSI022	0	0	1.075778e-04	0.0000000000	0
##	CSI044	0	0	3.943140e-05	0.0000000000	0
##	CSI055	0	0	2.151417e-05	0.0003872550	0
##	CSI065	0	0	3.782005e-05	0.0002647404	0

##	CSI076	0	0	0.000000e+00	0.0015031508	0	0
##		0tu01073	0tu01074	0tu01075	0tu01076	0tu01077	0tu01078
##	CSI001	0	0	0	0.0000000000	1.172663e-04	0
##	CSI012	0	0	0	0.0000000000	5.174912e-05	0
##	CSI022	0	0	0	0.0000000000	0.000000e+00	0
##	CSI044	0	0	0	0.0001971570	0.000000e+00	0
##	CSI055	0	0	0	0.0002151417	2.796842e-04	0
##	CSI065	0	0	0	0.0003403805	0.000000e+00	0
##	CSI076	0	0	0	0.0004625079	0.000000e+00	0
##		0tu01079	0tu01080	0tu01081	0tu01082	0tu01083	0tu01084
##	CSI001	0.0000000000	0	0	0.000000e+00	0	0
##	CSI012	0.0000000000	0	0	6.899883e-05	0	0
##	CSI022	0.0000000000	0	0	1.936400e-04	0	0
##	CSI044	0.0000000000	0	0	0.000000e+00	0	0
##	CSI055	0.0000000000	0	0	0.000000e+00	0	0
##	CSI065	0.0000000000	0	0	0.000000e+00	0	0
##	CSI076	0.000115627	0	0	0.000000e+00	0	0
##		0tu01085	0tu01086	0tu01087	0tu01088	0tu01089	
##	CSI001	0	1.172663e-04	0.000000e+00	0.000000e+00	7.035977e-05	
##	CSI012	0	0.000000e+00	0.000000e+00	0.000000e+00	4.139930e-04	
##	CSI022	0	0.000000e+00	0.000000e+00	0.000000e+00	6.024356e-04	
##	CSI044	0	0.000000e+00	0.000000e+00	1.971570e-05	1.971570e-05	
##	CSI055	0	0.000000e+00	3.227125e-04	2.151417e-05	0.000000e+00	
##	CSI065	0	0.000000e+00	0.000000e+00	1.134602e-04	0.000000e+00	
##	CSI076	0	0.000000e+00	3.179742e-04	1.156270e-03	1.156270e-04	
##		0tu01090	0tu01091	0tu01092	0tu01093	0tu01094	
##	CSI001	0.0000000000	4.690652e-05	0.000000e+00	0.000000e+00	2.345326e-05	
##	CSI012	0.0000000000	1.724971e-05	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI022	0.0000000000	1.312449e-03	0.000000e+00	0.000000e+00	8.606222e-05	
##	CSI044	0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0.0001290850	0.000000e+00	0.000000e+00	0.000000e+00	1.721133e-04	
##	CSI065	0.0000000000	0.000000e+00	1.172422e-03	0.000000e+00	2.269203e-04	
##	CSI076	0.0002601607	8.672024e-05	2.890675e-05	2.890675e-05	5.781349e-05	
##		0tu01095	0tu01096	0tu01097	0tu01098	0tu01099	
##	CSI001	4.690652e-05	0	4.690652e-05	3.987054e-04	0	
##	CSI012	8.624853e-05	0	3.449941e-05	2.759953e-04	0	
##	CSI022	0.000000e+00	0	0.000000e+00	1.290933e-04	0	
##	CSI044	0.000000e+00	0	3.943140e-05	0.000000e+00	0	
##	CSI055	4.302833e-05	0	6.023967e-04	1.871733e-03	0	
##	CSI065	1.134602e-04	0	6.051208e-04	0.000000e+00	0	
##	CSI076	5.781349e-05	0	3.179742e-04	5.492282e-04	0	
##		0tu01100	0tu01101	0tu01102	0tu01103	0tu01104	0tu01105
##	CSI001	1.407195e-04	0	0	0	1.477555e-03	0
##	CSI012	4.829918e-04	0	0	0	5.864900e-04	0
##	CSI022	6.454667e-05	0	0	0	9.682000e-04	0
##	CSI044	3.943140e-05	0	0	0	0.000000e+00	0
##	CSI055	2.581700e-04	0	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI076	1.156270e-04	0	0	0	0.000000e+00	0
##		0tu01106	0tu01107	0tu01108	0tu01109	0tu01110	
##	CSI001	1.876261e-04	0.000000e+00	2.814391e-04	0.000000e+00	2.345326e-05	
##	CSI012	0.000000e+00	0.000000e+00	8.624853e-04	0.000000e+00	1.552474e-04	
##	CSI022	4.087956e-04	0.000000e+00	4.303111e-05	0.000000e+00	2.151556e-04	
##	CSI044	2.168727e-04	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	

```

## CSI055 8.605667e-05 2.151417e-05 0.000000e+00 0.000000e+00 0.000000e+00
## CSI065 6.051208e-04 0.000000e+00 0.000000e+00 1.134602e-04 0.000000e+00
## CSI076 5.781349e-05 0.000000e+00 0.000000e+00 1.734405e-04 0.000000e+00
##      0tu01111      0tu01112 0tu01113 0tu01114      0tu01115 0tu01116
## CSI001      0 2.345326e-05      0      0 6.801445e-04      0
## CSI012      0 0.000000e+00      0      0 1.552474e-04      0
## CSI022      0 0.000000e+00      0      0 2.151556e-05      0
## CSI044      0 0.000000e+00      0      0 0.000000e+00      0
## CSI055      0 1.505992e-04      0      0 2.151417e-05      0
## CSI065      0 1.891003e-04      0      0 2.269203e-04      0
## CSI076      0 1.734405e-04      0      0 2.890675e-05      0
##      0tu01117      0tu01118 0tu01119 0tu01120 0tu01121 0tu01122
## CSI001 1.876261e-04 3.752521e-04      0      0      0      0
## CSI012 1.379977e-04 1.224729e-03      0      0      0      0
## CSI022 1.506089e-04 1.936400e-04      0      0      0      0
## CSI044 0.000000e+00 0.000000e+00      0      0      0      0
## CSI055 0.000000e+00 8.605667e-05      0      0      0      0
## CSI065 0.000000e+00 0.000000e+00      0      0      0      0
## CSI076 2.890675e-05 0.000000e+00      0      0      0      0
##      0tu01123 0tu01124      0tu01125      0tu01126      0tu01127
## CSI001      0      0 1.407195e-04 9.381303e-05 9.381303e-05
## CSI012      0      0 3.277444e-04 0.000000e+00 5.519906e-04
## CSI022      0      0 2.151556e-05 0.000000e+00 1.075778e-04
## CSI044      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055      0      0 0.000000e+00 4.302833e-04 0.000000e+00
## CSI065      0      0 0.000000e+00 3.782005e-05 0.000000e+00
## CSI076      0      0 0.000000e+00 2.601607e-04 0.000000e+00
##      0tu01128      0tu01129 0tu01130      0tu01131      0tu01132
## CSI001 0.000000e+00 0.000000e+00      0 4.690652e-05 0.0001407195
## CSI012 0.000000e+00 0.000000e+00      0 0.000000e+00 0.0003277444
## CSI022 0.000000e+00 0.000000e+00      0 0.000000e+00 0.0001936400
## CSI044 7.886280e-05 0.000000e+00      0 0.000000e+00 0.0000000000
## CSI055 0.000000e+00 0.000000e+00      0 4.302833e-05 0.0000000000
## CSI065 2.647404e-04 0.000000e+00      0 0.000000e+00 0.0000000000
## CSI076 1.156270e-04 2.890675e-05      0 8.672024e-05 0.0000000000
##      0tu01133 0tu01134      0tu01135      0tu01136      0tu01137
## CSI001 5.394249e-04      0 2.345326e-05 2.814391e-04 0.000000e+00
## CSI012 4.139930e-04      0 0.000000e+00 1.207479e-04 0.000000e+00
## CSI022 1.721244e-04      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 1.290850e-04      0 0.000000e+00 0.000000e+00 4.302833e-05
## CSI065 0.000000e+00      0 0.000000e+00 3.403805e-04 4.538406e-04
## CSI076 0.000000e+00      0 0.000000e+00 5.781349e-05 1.792218e-03
##      0tu01138 0tu01139      0tu01140      0tu01141      0tu01142 0tu01143
## CSI001      0      0 2.345326e-04 0.000000e+00 0.000000e+00      0
## CSI012      0      0 0.000000e+00 0.000000e+00 5.519906e-04      0
## CSI022      0      0 0.000000e+00 0.000000e+00 1.506089e-04      0
## CSI044      0      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI055      0      0 9.035950e-04 6.45425e-05 4.302833e-05      0
## CSI065      0      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI076      0      0 2.890675e-05 0.000000e+00 0.000000e+00      0
##      0tu01144      0tu01145 0tu01146 0tu01147      0tu01148 0tu01149
## CSI001 1.407195e-04 4.690652e-05      0      0 0.000000e+00      0
## CSI012 5.174912e-05 0.000000e+00      0      0 0.000000e+00      0

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##	CSI022	2.151556e-05	0.000000e+00	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI055	0.000000e+00	3.227125e-04	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	1.134602e-04	0	0	0.000000e+00	0
##	CSI076	0.000000e+00	8.672024e-05	0	0	5.781349e-05	0
##		0tu01150	0tu01151	0tu01152	0tu01153	0tu01154	0tu01155 0tu01156
##	CSI001	0	0	0	0	0	7.035977e-05 0
##	CSI012	0	0	0	0	0	0.000000e+00 0
##	CSI022	0	0	0	0	0	0.000000e+00 0
##	CSI044	0	0	0	0	0	0.000000e+00 0
##	CSI055	0	0	0	0	0	4.302833e-05 0
##	CSI065	0	0	0	0	0	0.000000e+00 0
##	CSI076	0	0	0	0	0	1.156270e-04 0
##		0tu01157	0tu01158	0tu01159	0tu01160	0tu01161	
##	CSI001	0.000000e+00	2.345326e-05	0	0	1.031943e-03	
##	CSI012	0.000000e+00	1.724971e-05	0	0	0.000000e+00	
##	CSI022	4.303111e-05	0.000000e+00	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI055	0.000000e+00	0.000000e+00	0	0	8.605667e-05	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0.000000e+00	0	0	8.672024e-05	
##		0tu01162	0tu01163	0tu01164	0tu01165	0tu01166	0tu01167
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI012	1.724971e-05	1.776720e-03	0	0	0	0
##	CSI022	0.000000e+00	9.897156e-04	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu01168	0tu01169	0tu01170	0tu01171	0tu01172	0tu01173
##	CSI001	0	0	1.876261e-04	0	2.345326e-05	0.000000e+00
##	CSI012	0	0	2.069965e-04	0	0.000000e+00	0.000000e+00
##	CSI022	0	0	6.454667e-05	0	0.000000e+00	4.303111e-05
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##		0tu01174	0tu01175	0tu01176	0tu01177	0tu01178	0tu01179 0tu01180
##	CSI001	0	0	9.615836e-04	0	0	0 0
##	CSI012	0	0	2.932450e-04	0	0	0 0
##	CSI022	0	0	2.581867e-04	0	0	0 0
##	CSI044	0	0	0.000000e+00	0	0	0 0
##	CSI055	0	0	0.000000e+00	0	0	0 0
##	CSI065	0	0	0.000000e+00	0	0	0 0
##	CSI076	0	0	0.000000e+00	0	0	0 0
##		0tu01181	0tu01182	0tu01183	0tu01184	0tu01185	
##	CSI001	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0.000000e+00	0.000000e+00	0	6.382391e-04	
##	CSI022	0	0.000000e+00	2.366711e-04	0	6.454667e-05	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0.000000e+00	3.011983e-04	0	0.000000e+00	
##	CSI065	0	0.000000e+00	1.815363e-03	0	0.000000e+00	
##	CSI076	0	0.000000e+00	1.734405e-04	0	0.000000e+00	
##		0tu01186	0tu01187	0tu01188	0tu01189	0tu01190	

##	CSI001	0.0000000000	0	0.0000000000	0	5.628782e-04
##	CSI012	0.0001379977	0	0.0000000000	0	5.174912e-05
##	CSI022	0.0000000000	0	0.0000000000	0	0.000000e+00
##	CSI044	0.0000000000	0	0.0000000000	0	0.000000e+00
##	CSI055	0.0012908500	0	0.0000000000	0	0.000000e+00
##	CSI065	0.0000000000	0	0.001021141	0	0.000000e+00
##	CSI076	0.0004046945	0	0.0000000000	0	5.781349e-05
##		0tu01191	0tu01192	0tu01193	0tu01194	0tu01195
##	CSI001	6.332380e-04	5.863314e-04	0	0.000000e+00	2.345326e-05
##	CSI012	1.190230e-03	5.519906e-04	0	0.000000e+00	3.449941e-05
##	CSI022	4.303111e-05	7.960756e-04	0	0.000000e+00	2.151556e-05
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI055	6.454250e-05	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI076	2.890675e-05	0.000000e+00	0	8.382957e-03	0.000000e+00
##		0tu01196	0tu01197	0tu01198	0tu01199	0tu01200
##	CSI001	4.690652e-05	0	0	4.690652e-05	0
##	CSI012	0.000000e+00	0	0	0.000000e+00	0
##	CSI022	0.000000e+00	0	0	4.303111e-05	0
##	CSI044	1.971570e-05	0	0	0.000000e+00	0
##	CSI055	0.000000e+00	0	0	2.151417e-05	0
##	CSI065	0.000000e+00	0	0	7.564010e-05	0
##	CSI076	0.000000e+00	0	0	8.672024e-05	0
##		0tu01202	0tu01203	0tu01204	0tu01205	0tu01206
##	CSI001	0	1.102303e-03	0	0	0
##	CSI012	0	5.347409e-04	0	0	0
##	CSI022	0	3.012178e-04	0	0	0
##	CSI044	0	0.000000e+00	0	0	0
##	CSI055	0	2.151417e-05	0	0	0
##	CSI065	0	0.000000e+00	0	0	0
##	CSI076	0	0.000000e+00	0	0	0
##		0tu01208	0tu01209	0tu01210	0tu01211	0tu01212
##	CSI001	0	0	0.000000e+00	0	1.172663e-04
##	CSI012	0	0	0.000000e+00	0	0.000000e+00
##	CSI022	0	0	0.000000e+00	0	0.000000e+00
##	CSI044	0	0	0.000000e+00	0	0.000000e+00
##	CSI055	0	0	2.151417e-05	0	2.151417e-05
##	CSI065	0	0	1.285882e-03	0	0.000000e+00
##	CSI076	0	0	3.468810e-04	0	1.445337e-04
##		0tu01214	0tu01215	0tu01216	0tu01217	0tu01218
##	CSI001	2.345326e-05	0	0	0	4.690652e-04
##	CSI012	0.000000e+00	0	0	0	2.242462e-04
##	CSI022	0.000000e+00	0	0	0	4.303111e-05
##	CSI044	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	1.527506e-03	0	0	0	0.000000e+00
##	CSI065	1.891003e-04	0	0	0	0.000000e+00
##	CSI076	6.648552e-04	0	0	0	2.890675e-05
##		0tu01220	0tu01221	0tu01222	0tu01223	0tu01224
##	CSI001	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	6.002898e-03
##	CSI022	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	2.151417e-05
##	CSI065	0	0	0	0	0.000000e+00

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## CSI076      0      0      0      0 5.781349e-05      0      0
##      0tu01227 0tu01228      0tu01229      0tu01230 0tu01231 0tu01232
## CSI001 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI012 1.724971e-05      0 3.449941e-05 0.000000e+00      0      0
## CSI022 6.454667e-05      0 1.075778e-04 0.000000e+00      0      0
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI055 0.000000e+00      0 2.151417e-05 0.000000e+00      0      0
## CSI065 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI076 0.000000e+00      0 0.000000e+00 2.890675e-05      0      0
##      0tu01233      0tu01234      0tu01235 0tu01236      0tu01237
## CSI001      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI012      0 0.000000e+00 0.000000e+00      0 1.552474e-04
## CSI022      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI044      0 0.000000e+00 1.971570e-05      0 0.000000e+00
## CSI055      0 0.000000e+00 1.333878e-03      0 5.378542e-04
## CSI065      0 0.000000e+00 3.782005e-05      0 1.891003e-04
## CSI076      0 2.890675e-04 1.127363e-03      0 2.890675e-05
##      0tu01238      0tu01239      0tu01240 0tu01241      0tu01242
## CSI001 0.000000e+00 2.110793e-04 2.345326e-05      0 1.172663e-04
## CSI012 0.000000e+00 0.000000e+00 5.174912e-05      0 1.724971e-04
## CSI022 0.000000e+00 8.606222e-05 0.000000e+00      0 1.075778e-04
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00 2.151417e-05      0 0.000000e+00
## CSI065 3.782005e-05 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00 1.734405e-04      0 0.000000e+00
##      0tu01243 0tu01244 0tu01245      0tu01246      0tu01247      0tu01248
## CSI001      0      0      0 0.000000e+00 0.000000e+00 9.381303e-05
## CSI012      0      0      0 0.000000e+00 0.000000e+00 1.034982e-04
## CSI022      0      0      0 0.000000e+00 0.000000e+00 2.581867e-04
## CSI044      0      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055      0      0      0 2.151417e-04 2.151417e-05 0.000000e+00
## CSI065      0      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076      0      0      0 3.179742e-04 0.000000e+00 0.000000e+00
##      0tu01249      0tu01250      0tu01251 0tu01252 0tu01253 0tu01254
## CSI001 1.383742e-03 0.000000e+00 0.000000e+00      0      0      0
## CSI012 8.624853e-04 0.000000e+00 0.000000e+00      0      0      0
## CSI022 1.721244e-04 0.000000e+00 0.000000e+00      0      0      0
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI055 0.000000e+00 1.936275e-04 0.000000e+00      0      0      0
## CSI065 0.000000e+00 1.512802e-04 0.000000e+00      0      0      0
## CSI076 0.000000e+00 2.023472e-04 0.000000e+00      0      0      0
##      0tu01255 0tu01256 0tu01257 0tu01258 0tu01259 0tu01260      0tu01261
## CSI001      0      0      0      0      0      0 0.0000000000
## CSI012      0      0      0      0      0      0 0.0000000000
## CSI022      0      0      0      0      0      0 0.0000000000
## CSI044      0      0      0      0      0      0 0.0000000000
## CSI055      0      0      0      0      0      0 0.0002366558
## CSI065      0      0      0      0      0      0 0.0000000000
## CSI076      0      0      0      0      0      0 0.0028039544
##      0tu01262 0tu01263      0tu01264 0tu01265 0tu01266      0tu01267
## CSI001      0      0 0.000000e+00      0      0 0.000000e+00
## CSI012      0      0 1.724971e-05      0      0 0.000000e+00
## CSI022      0      0 0.000000e+00      0      0 0.000000e+00
## CSI044      0      0 0.000000e+00      0      0 0.000000e+00

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## CSI055      0      0 0.000000e+00      0      0 2.151417e-05
## CSI065      0      0 0.000000e+00      0      0 0.000000e+00
## CSI076      0      0 0.000000e+00      0      0 0.000000e+00
##      0tu01268 0tu01269      0tu01270 0tu01271 0tu01272 0tu01273
## CSI001 0.0000000000      0 1.876261e-04      0      0      0
## CSI012 0.0000000000      0 1.379977e-04      0      0      0
## CSI022 0.0000000000      0 1.290933e-04      0      0      0
## CSI044 0.0007491966      0 0.000000e+00      0      0      0
## CSI055 0.0000000000      0 2.796842e-04      0      0      0
## CSI065 0.0046140464      0 3.782005e-05      0      0      0
## CSI076 0.0000000000      0 4.914147e-04      0      0      0
##      0tu01274 0tu01275 0tu01276      0tu01277      0tu01278
## CSI001 9.381303e-05      0      0 0.000000e+00 0.000000e+00
## CSI012 5.519906e-04      0      0 0.000000e+00 1.724971e-05
## CSI022 5.378889e-04      0      0 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00      0      0 6.454250e-05 4.302833e-05
## CSI065 0.000000e+00      0      0 1.512802e-04 0.000000e+00
## CSI076 0.000000e+00      0      0 8.672024e-05 1.300804e-03
##      0tu01279      0tu01280      0tu01281      0tu01282      0tu01283
## CSI001 4.690652e-04 2.345326e-05 0.000000e+00 0.000000e+00 3.987054e-04
## CSI012 5.519906e-04 0.000000e+00 0.000000e+00 0.000000e+00 2.414959e-04
## CSI022 8.606222e-05 0.000000e+00 0.000000e+00 0.000000e+00 2.366711e-04
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 9.857850e-05 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00 2.366558e-04 2.151417e-05 6.454250e-05
## CSI065 0.000000e+00 0.000000e+00 1.285882e-03 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00 2.023472e-04 2.601607e-04 0.000000e+00
##      0tu01284 0tu01285      0tu01286      0tu01287 0tu01288      0tu01289
## CSI001      0      0 4.690652e-05 0.0010084901      0 2.345326e-05
## CSI012      0      0 0.000000e+00 0.0006727386      0 1.000483e-03
## CSI022      0      0 0.000000e+00 0.0000000000      0 4.303111e-05
## CSI044      0      0 0.000000e+00 0.0000000000      0 0.000000e+00
## CSI055      0      0 1.075708e-04 0.0000000000      0 0.000000e+00
## CSI065      0      0 0.000000e+00 0.0000000000      0 0.000000e+00
## CSI076      0      0 1.734405e-04 0.0000000000      0 0.000000e+00
##      0tu01290 0tu01291      0tu01292      0tu01293 0tu01294      0tu01295
## CSI001      0      0 3.752521e-04 0.000000e+00      0 0.000000e+00
## CSI012      0      0 0.000000e+00 1.724971e-05      0 3.449941e-05
## CSI022      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI044      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI055      0      0 6.454250e-05 6.454250e-05      0 0.000000e+00
## CSI065      0      0 4.916607e-04 0.000000e+00      0 0.000000e+00
## CSI076      0      0 1.734405e-04 5.203214e-04      0 1.445337e-04
##      0tu01296 0tu01297      0tu01298      0tu01299      0tu01300
## CSI001 4.690652e-05      0 1.031943e-03 0.000000e+00 9.381303e-05
## CSI012 0.000000e+00      0 2.932450e-04 0.000000e+00 3.449941e-05
## CSI022 0.000000e+00      0 1.075778e-04 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 3.872550e-04      0 0.000000e+00 4.302833e-05 3.442267e-04
## CSI065 3.782005e-05      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076 6.359484e-04      0 0.000000e+00 0.000000e+00 3.468810e-04
##      0tu01301 0tu01302 0tu01303      0tu01304      0tu01305
## CSI001 0.000000e+00      0      0 0.000000e+00 1.172663e-04
## CSI012 1.724971e-05      0      0 0.000000e+00 7.072380e-04

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## CSI022 0.000000e+00      0      0 0.000000e+00 1.678213e-03
## CSI044 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI055 5.808825e-04      0      0 1.828704e-03 0.000000e+00
## CSI065 0.000000e+00      0      0 3.782005e-05 0.000000e+00
## CSI076 2.023472e-04      0      0 9.539226e-04 0.000000e+00
##      0tu01306      0tu01307      0tu01308      0tu01309      0tu01310
## CSI001 0.000000e+00 4.925184e-04 0.00000000000 0.000000e+00 0.00000000000
## CSI012 3.622438e-04 3.449941e-05 0.0002759953 0.000000e+00 0.00000000000
## CSI022 0.000000e+00 2.151556e-05 0.0006024356 0.000000e+00 0.00000000000
## CSI044 0.000000e+00 0.000000e+00 0.00000000000 0.000000e+00 0.00000000000
## CSI055 0.000000e+00 4.302833e-05 0.00000000000 8.605667e-05 0.0003872550
## CSI065 0.000000e+00 0.000000e+00 0.00000000000 0.000000e+00 0.0001891003
## CSI076 0.000000e+00 2.890675e-05 0.00000000000 2.890675e-05 0.0004336012
##      0tu01311      0tu01312 0tu01313      0tu01314 0tu01315 0tu01316
## CSI001 0.000000e+00 9.381303e-05      0 0.00000000000      0      0
## CSI012 0.000000e+00 3.449941e-05      0 0.00000000000      0      0
## CSI022 0.000000e+00 0.000000e+00      0 0.00000000000      0      0
## CSI044 1.97157e-05 0.000000e+00      0 0.00000000000      0      0
## CSI055 0.000000e+00 1.290850e-04      0 0.00000000000      0      0
## CSI065 0.000000e+00 0.000000e+00      0 0.00000000000      0      0
## CSI076 0.000000e+00 0.000000e+00      0 0.00000000000      0      0
##      0tu01317      0tu01318 0tu01319 0tu01320      0tu01321 0tu01322
## CSI001 0.000000e+00 1.970074e-03      0      0 0.0002110793      0
## CSI012 6.899883e-05 1.724971e-05      0      0 0.0001379977      0
## CSI022 4.303111e-05 4.303111e-05      0      0 0.00000000000      0
## CSI044 0.000000e+00 0.000000e+00      0      0 0.00000000000      0
## CSI055 0.000000e+00 0.000000e+00      0      0 0.00000000000      0
## CSI065 0.000000e+00 0.000000e+00      0      0 0.00000000000      0
## CSI076 0.000000e+00 0.000000e+00      0      0 0.0001445337      0
##      0tu01323 0tu01324 0tu01325      0tu01326      0tu01327      0tu01328
## CSI001      0      0      0 0.000000e+00 4.409212e-03 0.000000e+00
## CSI012      0      0      0 0.000000e+00 6.899883e-05 3.449941e-05
## CSI022      0      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044      0      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055      0      0      0 2.151417e-05 0.000000e+00 0.000000e+00
## CSI065      0      0      0 3.782005e-05 0.000000e+00 3.782005e-05
## CSI076      0      0      0 0.000000e+00 0.000000e+00 1.445337e-04
##      0tu01329      0tu01330 0tu01331      0tu01332 0tu01333 0tu01334
## CSI001      0 0.000000e+00      0 0.000000e+00      0      0
## CSI012      0 0.000000e+00      0 0.000000e+00      0      0
## CSI022      0 0.000000e+00      0 0.000000e+00      0      0
## CSI044      0 0.000000e+00      0 0.000000e+00      0      0
## CSI055      0 0.000000e+00      0 4.087692e-04      0      0
## CSI065      0 1.134602e-04      0 0.000000e+00      0      0
## CSI076      0 2.890675e-05      0 4.625079e-04      0      0
##      0tu01335 0tu01336 0tu01337 0tu01338      0tu01339 0tu01340
## CSI001 0.000000e+00      0      0      0 0.000000e+00      0
## CSI012 1.724971e-05      0      0      0 0.000000e+00      0
## CSI022 0.000000e+00      0      0      0 0.000000e+00      0
## CSI044 0.000000e+00      0      0      0 0.000000e+00      0
## CSI055 8.605667e-05      0      0      0 1.075708e-04      0
## CSI065 0.000000e+00      0      0      0 0.000000e+00      0
## CSI076 2.890675e-05      0      0      0 4.336012e-03      0
##      0tu01341      0tu01342 0tu01343      0tu01344      0tu01345 0tu01346

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##	CSI001	0	0.0000000000	0	0.000000e+00	0.000000e+00	0	
##	CSI012	0	0.0000000000	0	3.449941e-05	0.000000e+00	0	
##	CSI022	0	0.0000000000	0	1.075778e-04	0.000000e+00	0	
##	CSI044	0	0.0000000000	0	0.000000e+00	5.914710e-05	0	
##	CSI055	0	0.0004948258	0	0.000000e+00	0.000000e+00	0	
##	CSI065	0	0.0001134602	0	0.000000e+00	6.315949e-03	0	
##	CSI076	0	0.0000000000	0	0.000000e+00	5.781349e-05	0	
##		0tu01347	0tu01348	0tu01349	0tu01350	0tu01351	0tu01352	0tu01353
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	2.151417e-05
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	2.890675e-05
##		0tu01354	0tu01355	0tu01356	0tu01357	0tu01358	0tu01359	0tu01360
##	CSI001	0	0	0	0	7.739575e-04	0	0
##	CSI012	0	0	0	0	1.724971e-04	0	0
##	CSI022	0	0	0	0	4.948578e-04	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	2.890675e-05	0	0
##		0tu01361	0tu01362	0tu01363	0tu01364	0tu01365		
##	CSI001	0.0000000000	0	4.690652e-05	0.000000e+00	5.159717e-04		
##	CSI012	0.0000000000	0	1.724971e-04	1.724971e-05	8.624853e-05		
##	CSI022	0.0000000000	0	4.303111e-05	0.000000e+00	6.454667e-05		
##	CSI044	0.001892707	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI055	0.0000000000	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI065	0.0000000000	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI076	0.0000000000	0	8.672024e-05	0.000000e+00	0.000000e+00		
##		0tu01366	0tu01367	0tu01368	0tu01369	0tu01370	0tu01371	
##	CSI001	0	0	0	0.000000e+00	0	0	
##	CSI012	0	0	0	0.000000e+00	0	0	
##	CSI022	0	0	0	0.000000e+00	0	0	
##	CSI044	0	0	0	0.000000e+00	0	0	
##	CSI055	0	0	0	6.454250e-05	0	0	
##	CSI065	0	0	0	0.000000e+00	0	0	
##	CSI076	0	0	0	7.226687e-04	0	0	
##		0tu01372	0tu01373	0tu01374	0tu01375	0tu01376		
##	CSI001	2.345326e-05	1.876261e-04	0	2.345326e-05	3.987054e-04		
##	CSI012	1.724971e-05	4.829918e-04	0	0.000000e+00	1.552474e-04		
##	CSI022	0.000000e+00	2.151556e-04	0	0.000000e+00	1.075778e-04		
##	CSI044	0.000000e+00	1.971570e-05	0	0.000000e+00	0.000000e+00		
##	CSI055	4.302833e-05	6.454250e-05	0	1.721133e-04	2.151417e-05		
##	CSI065	1.134602e-04	7.564010e-05	0	0.000000e+00	0.000000e+00		
##	CSI076	5.781349e-04	0.000000e+00	0	1.445337e-04	0.000000e+00		
##		0tu01377	0tu01378	0tu01379	0tu01380	0tu01381	0tu01382	
##	CSI001	0	0.000000e+00	0	0	0.000000e+00	0.0000000000	
##	CSI012	0	0.000000e+00	0	0	1.724971e-05	0.0000000000	
##	CSI022	0	2.151556e-05	0	0	0.000000e+00	0.0000000000	
##	CSI044	0	3.943140e-05	0	0	0.000000e+00	0.0000000000	
##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0.0015705342	
##	CSI065	0	5.862108e-03	0	0	0.000000e+00	0.0000000000	

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## CSI076      0 0.000000e+00      0      0 0.000000e+00 0.0000000000
##      0tu01383 0tu01384      0tu01385      0tu01386 0tu01387 0tu01388
## CSI001 0.000000e+00      0 7.035977e-05 0.0004690652      0      0
## CSI012 0.000000e+00      0 8.624853e-05 0.0004139930      0      0
## CSI022 0.000000e+00      0 4.303111e-05 0.0002581867      0      0
## CSI044 0.000000e+00      0 0.000000e+00 0.0000000000      0      0
## CSI055 2.151417e-05      0 6.454250e-05 0.0000000000      0      0
## CSI065 0.000000e+00      0 0.000000e+00 0.0000000000      0      0
## CSI076 1.156270e-04      0 5.781349e-05 0.0000000000      0      0
##      0tu01389      0tu01390      0tu01391      0tu01392      0tu01393
## CSI001 0.000000e+00 7.035977e-05 2.814391e-04 4.690652e-05 2.579858e-04
## CSI012 1.724971e-05 0.000000e+00 2.069965e-04 1.034982e-04 0.000000e+00
## CSI022 3.227333e-04 0.000000e+00 1.075778e-04 2.151556e-05 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 6.454250e-05
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 3.782005e-05 3.782005e-05
## CSI076 0.000000e+00 1.734405e-04 0.000000e+00 8.672024e-05 0.000000e+00
##      0tu01394      0tu01395      0tu01396      0tu01397 0tu01398
## CSI001      0 0.000000e+00 9.615836e-04 0.000000e+00      0
## CSI012      0 1.724971e-05 1.207479e-04 0.000000e+00      0
## CSI022      0 0.000000e+00 4.303111e-05 8.606222e-05      0
## CSI044      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI055      0 0.000000e+00 1.721133e-04 0.000000e+00      0
## CSI065      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI076      0 0.000000e+00 2.312540e-04 0.000000e+00      0
##      0tu01399 0tu01400 0tu01401 0tu01402 0tu01403 0tu01404 0tu01405
## CSI001 4.690652e-05      0      0      0      0      0
## CSI012 5.174912e-05      0      0      0      0      0
## CSI022 6.454667e-05      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0
## CSI076 2.890675e-05      0      0      0      0      0
##      0tu01406      0tu01407 0tu01408 0tu01409      0tu01410
## CSI001 1.876261e-04 6.566912e-04      0      0 0.000000e+00
## CSI012 8.624853e-05 7.589871e-04      0      0 0.000000e+00
## CSI022 0.000000e+00 2.151556e-05      0      0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00      0      0 0.000000e+00
##      0tu01411 0tu01412 0tu01413 0tu01414      0tu01415      0tu01416
## CSI001 0.000000e+00      0      0      0 8.208640e-04 0.000000e+00
## CSI012 0.000000e+00      0      0      0 2.069965e-04 0.000000e+00
## CSI022 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0      0      0 0.000000e+00 1.971570e-05
## CSI055 2.151417e-05      0      0      0 1.290850e-04 3.227125e-04
## CSI065 0.000000e+00      0      0      0 0.000000e+00 3.101244e-03
## CSI076 1.156270e-04      0      0      0 0.000000e+00 0.000000e+00
##      0tu01417 0tu01418      0tu01419      0tu01420      0tu01421
## CSI001      0      0 0.000000e+00 9.381303e-05 0.000000e+00
## CSI012      0      0 0.000000e+00 5.174912e-05 0.000000e+00
## CSI022      0      0 0.000000e+00 4.303111e-05 0.000000e+00
## CSI044      0      0 7.886280e-05 0.000000e+00 0.000000e+00

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## CSI055      0      0 2.151417e-05 4.302833e-05 0.000000e+00
## CSI065      0      0 2.647404e-04 0.000000e+00 0.000000e+00
## CSI076      0      0 2.890675e-05 8.672024e-05 2.890675e-05
##      0tu01422      0tu01423      0tu01424 0tu01425 0tu01426 0tu01427
## CSI001 1.008490e-03 0.000000e+00 0.000000e+00      0      0      0
## CSI012 2.759953e-04 1.724971e-05 1.724971e-05      0      0      0
## CSI022 8.606222e-05 0.000000e+00 6.454667e-05      0      0      0
## CSI044 0.000000e+00 0.000000e+00 3.943140e-05      0      0      0
## CSI055 0.000000e+00 2.151417e-05 0.000000e+00      0      0      0
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI076 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
##      0tu01428 0tu01429 0tu01430      0tu01431      0tu01432
## CSI001 5.159717e-04      0      0 0.000000e+00 0.00000000000
## CSI012 8.624853e-05      0      0 0.000000e+00 0.00000000000
## CSI022 6.454667e-05      0      0 0.000000e+00 0.00000000000
## CSI044 0.000000e+00      0      0 0.000000e+00 0.00000000000
## CSI055 0.000000e+00      0      0 0.000000e+00 0.00000000000
## CSI065 3.782005e-05      0      0 0.000000e+00 0.0001134602
## CSI076 2.890675e-05      0      0 2.890675e-05 0.0005203214
##      0tu01433      0tu01434      0tu01435 0tu01436 0tu01437 0tu01438
## CSI001 0.000000e+00 0.000000e+00 0.0017589943      0      0      0
## CSI012 0.000000e+00 0.000000e+00 0.00000000000      0      0      0
## CSI022 0.000000e+00 0.000000e+00 0.00000000000      0      0      0
## CSI044 1.123795e-03 1.971570e-05 0.00000000000      0      0      0
## CSI055 0.000000e+00 4.302833e-04 0.00000000000      0      0      0
## CSI065 3.782005e-05 3.782005e-05 0.00000000000      0      0      0
## CSI076 0.000000e+00 5.781349e-05 0.0001734405      0      0      0
##      0tu01439 0tu01440      0tu01441 0tu01442 0tu01443 0tu01444
## CSI001      0      0 7.035977e-05      0      0      0
## CSI012      0      0 3.449941e-05      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0
## CSI055      0      0 3.442267e-04      0      0      0
## CSI065      0      0 3.403805e-04      0      0      0
## CSI076      0      0 2.312540e-04      0      0      0
##      0tu01445 0tu01446 0tu01447      0tu01448 0tu01449 0tu01450
## CSI001 9.381303e-05      0      0 0.000000e+00      0      0
## CSI012 1.034982e-04      0      0 0.000000e+00      0      0
## CSI022 1.075778e-04      0      0 0.000000e+00      0      0
## CSI044 0.000000e+00      0      0 0.000000e+00      0      0
## CSI055 0.000000e+00      0      0 0.000000e+00      0      0
## CSI065 0.000000e+00      0      0 0.000000e+00      0      0
## CSI076 0.000000e+00      0      0 2.890675e-05      0      0
##      0tu01451      0tu01452      0tu01453 0tu01454 0tu01455      0tu01456
## CSI001      0 0.000000e+00 0.000000e+00      0      0 0.00000000000
## CSI012      0 0.000000e+00 2.242462e-04      0      0 0.00000000000
## CSI022      0 0.000000e+00 2.151556e-05      0      0 0.00000000000
## CSI044      0 0.000000e+00 0.000000e+00      0      0 0.00000000000
## CSI055      0 2.151417e-05 0.000000e+00      0      0 0.0039801209
## CSI065      0 0.000000e+00 0.000000e+00      0      0 0.00000000000
## CSI076      0 0.000000e+00 2.890675e-05      0      0 0.0002023472
##      0tu01457 0tu01458 0tu01459      0tu01460      0tu01461      0tu01462
## CSI001      0      0      0 1.172663e-04 4.690652e-05 0.000000e+00
## CSI012      0      0      0 3.449941e-05 1.034982e-04 0.000000e+00

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## CSI022      0      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044      0      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055      0      0      0 4.302833e-05 0.000000e+00 1.290850e-04
## CSI065      0      0      0 3.782005e-05 0.000000e+00 5.673008e-04
## CSI076      0      0      0 6.648552e-04 0.000000e+00 2.890675e-05
##      0tu01463      0tu01464      0tu01465      0tu01466 0tu01467 0tu01468
## CSI001      0 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI012      0 5.347409e-04 0.000000e+00 0.000000e+00      0      0
## CSI022      0 1.506089e-04 0.000000e+00 0.000000e+00      0      0
## CSI044      0 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI055      0 2.151417e-05 0.000000e+00 5.808825e-04      0      0
## CSI065      0 0.000000e+00 3.782005e-05 0.000000e+00      0      0
## CSI076      0 0.000000e+00 0.000000e+00 6.070417e-04      0      0
##      0tu01469      0tu01470 0tu01471      0tu01472 0tu01473
## CSI001 4.690652e-05 0.000000e+00      0 0.000000000000      0
## CSI012 3.449941e-05 0.000000e+00      0 0.000000000000      0
## CSI022 4.303111e-05 4.303111e-05      0 0.000000000000      0
## CSI044 1.971570e-05 0.000000e+00      0 0.0000394314      0
## CSI055 6.454250e-05 0.000000e+00      0 0.0001505992      0
## CSI065 3.782005e-05 0.000000e+00      0 0.0005294807      0
## CSI076 2.890675e-05 0.000000e+00      0 0.000000000000      0
##      0tu01474      0tu01475 0tu01476 0tu01477 0tu01478 0tu01479
## CSI001 0.000000e+00 2.345326e-05      0      0      0      0
## CSI012 0.000000e+00 0.000000e+00      0      0      0      0
## CSI022 0.000000e+00 2.151556e-05      0      0      0      0
## CSI044 0.000000e+00 0.000000e+00      0      0      0      0
## CSI055 1.505992e-03 0.000000e+00      0      0      0      0
## CSI065 0.000000e+00 0.000000e+00      0      0      0      0
## CSI076 4.625079e-04 0.000000e+00      0      0      0      0
##      0tu01480      0tu01481 0tu01482 0tu01483      0tu01484      0tu01485
## CSI001      0 2.345326e-05      0      0 0.000000000000 7.035977e-05
## CSI012      0 0.000000e+00      0      0 0.000000000000 0.000000e+00
## CSI022      0 4.303111e-05      0      0 0.000000000000 0.000000e+00
## CSI044      0 0.000000e+00      0      0 0.000000000000 0.000000e+00
## CSI055      0 0.000000e+00      0      0 0.000000000000 0.000000e+00
## CSI065      0 0.000000e+00      0      0 0.0001134602 0.000000e+00
## CSI076      0 0.000000e+00      0      0 0.000000000000 0.000000e+00
##      0tu01486 0tu01487      0tu01488      0tu01489      0tu01490
## CSI001 0.000000000000      0 0.000000e+00 0.000000000000 0.000000e+00
## CSI012 0.000000000000      0 1.724971e-05 0.000000000000 0.000000e+00
## CSI022 0.000000000000      0 8.606222e-05 0.000000000000 0.000000e+00
## CSI044 0.000000000000      0 0.000000e+00 0.000000000000 3.943140e-04
## CSI055 0.0001505992      0 0.000000e+00 0.0002366558 8.605667e-05
## CSI065 0.000000000000      0 0.000000e+00 0.000000000000 0.000000e+00
## CSI076 0.000000000000      0 1.156270e-04 0.0001734405 0.000000e+00
##      0tu01491 0tu01492      0tu01493      0tu01494      0tu01495
## CSI001 2.345326e-05      0 0.000000000000 0.000000000000 0.000000e+00
## CSI012 0.000000e+00      0 0.000000000000 0.000000000000 0.000000e+00
## CSI022 0.000000e+00      0 0.000000000000 0.000000000000 0.000000e+00
## CSI044 0.000000e+00      0 0.000000000000 0.000000000000 3.94314e-05
## CSI055 1.075708e-04      0 0.000000000000 0.000000000000 0.000000e+00
## CSI065 0.000000e+00      0 0.0001134602 0.000000000000 0.000000e+00
## CSI076 2.890675e-05      0 0.000000000000 0.0001734405 0.000000e+00
##      0tu01496      0tu01497 0tu01498      0tu01499 0tu01500

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## CSI001 3.752521e-04 7.035977e-05 0 2.814391e-04 0
## CSI012 5.174912e-05 0.000000e+00 0 2.984199e-03 0
## CSI022 4.303111e-05 4.518267e-04 0 4.303111e-05 0
## CSI044 0.000000e+00 0.000000e+00 0 0.000000e+00 0
## CSI055 0.000000e+00 2.151417e-05 0 0.000000e+00 0
## CSI065 0.000000e+00 3.782005e-05 0 0.000000e+00 0
## CSI076 1.445337e-04 0.000000e+00 0 0.000000e+00 0
##      0tu01501      0tu01502      0tu01503      0tu01504      0tu01505
## CSI001 7.035977e-05 0.000000e+00 0.000000e+00 1.641728e-04 9.381303e-05
## CSI012 0.000000e+00 1.724971e-05 0.000000e+00 1.552474e-04 2.759953e-04
## CSI022 0.000000e+00 0.000000e+00 0.000000e+00 1.075778e-04 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076 5.781349e-05 2.312540e-04 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu01506      0tu01507      0tu01508      0tu01509      0tu01510
## CSI001 0.0000000000 4.690652e-05 0 0.0000000000 0.000000e+00
## CSI012 0.0000000000 8.107362e-04 0 0.0001552474 0.000000e+00
## CSI022 0.0000000000 2.151556e-05 0 0.0012263867 0.000000e+00
## CSI044 0.0000197157 0.000000e+00 0 0.0000000000 3.943140e-05
## CSI055 0.0010326800 1.505992e-04 0 0.0000000000 4.302833e-05
## CSI065 0.0001512802 0.000000e+00 0 0.0000000000 3.782005e-05
## CSI076 0.0000000000 7.226687e-04 0 0.0000000000 0.000000e+00
##      0tu01511      0tu01512      0tu01513      0tu01514      0tu01515      0tu01516
## CSI001 0 0 0.000000e+00 2.579858e-04 0 5.159717e-04
## CSI012 0 0 0.000000e+00 5.174912e-05 0 1.034982e-04
## CSI022 0 0 2.151556e-05 3.442489e-04 0 1.527604e-03
## CSI044 0 0 0.000000e+00 0.000000e+00 0 0.000000e+00
## CSI055 0 0 6.454250e-05 1.118737e-03 0 0.000000e+00
## CSI065 0 0 7.564010e-05 0.000000e+00 0 0.000000e+00
## CSI076 0 0 1.734405e-04 1.734405e-04 0 0.000000e+00
##      0tu01517      0tu01518      0tu01519      0tu01520      0tu01521      0tu01522
## CSI001 0 0 0 0 0.000000e+00 0.000000e+00
## CSI012 0 0 0 0 0.000000e+00 0.000000e+00
## CSI022 0 0 0 0 0.000000e+00 2.151556e-05
## CSI044 0 0 0 0 0.000000e+00 0.000000e+00
## CSI055 0 0 0 0 0.000000e+00 1.721133e-04
## CSI065 0 0 0 0 0.000000e+00 0.000000e+00
## CSI076 0 0 0 0 0.000000e+00 5.781349e-05
##      0tu01523      0tu01524      0tu01525      0tu01526      0tu01527
## CSI001 4.690652e-05 0.0000000000 0.0000000000 0 4.690652e-05
## CSI012 0.000000e+00 0.0000000000 0.0000000000 0 5.174912e-05
## CSI022 2.151556e-05 0.0000000000 0.0000000000 0 4.518267e-04
## CSI044 1.380099e-04 0.0000000000 0.0000000000 0 0.000000e+00
## CSI055 5.378542e-04 0.000129085 0.0004302833 0 0.000000e+00
## CSI065 0.000000e+00 0.0000000000 0.0000000000 0 0.000000e+00
## CSI076 2.312540e-04 0.0000000000 0.0000000000 0 0.000000e+00
##      0tu01528      0tu01529      0tu01530      0tu01531      0tu01532
## CSI001 0.0000000000 0.000000e+00 2.814391e-04 9.381303e-05 4.690652e-05
## CSI012 0.0000000000 0.000000e+00 2.759953e-04 0.000000e+00 1.724971e-04
## CSI022 0.0000000000 1.269418e-03 4.303111e-05 8.606222e-05 2.366711e-04
## CSI044 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI065 0.0000000000 1.134602e-04 0.000000e+00 0.000000e+00 0.000000e+00

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## CSI076 0.000000000 0.000000e+00 2.890675e-05 0.000000e+00 0.000000e+00
##      0tu01533      0tu01534 0tu01535 0tu01536 0tu01537      0tu01538
## CSI001      0 2.345326e-05      0      0      0 4.690652e-05
## CSI012      0 1.724971e-05      0      0      0 1.362727e-03
## CSI022      0 2.151556e-05      0      0      0 4.303111e-05
## CSI044      0 0.000000e+00      0      0      0 0.000000e+00
## CSI055      0 3.657408e-04      0      0      0 8.605667e-05
## CSI065      0 0.000000e+00      0      0      0 1.134602e-04
## CSI076      0 0.000000e+00      0      0      0 8.672024e-05
##      0tu01539      0tu01540 0tu01541      0tu01542 0tu01543      0tu01544
## CSI001      0 9.381303e-05      0 0.000000000      0 0.000000e+00
## CSI012      0 8.624853e-05      0 0.000000000      0 0.000000e+00
## CSI022      0 1.721244e-04      0 0.000000000      0 0.000000e+00
## CSI044      0 0.000000e+00      0 0.000000000      0 4.140297e-04
## CSI055      0 0.000000e+00      0 0.000000000      0 8.605667e-05
## CSI065      0 0.000000e+00      0 0.000000000      0 0.000000e+00
## CSI076      0 0.000000e+00      0 0.000000000      0 0.000000e+00
##      0tu01545      0tu01546      0tu01547 0tu01548      0tu01549
## CSI001      0 0.000000e+00 2.814391e-04      0 0.0001641728
## CSI012      0 1.034982e-04 4.484924e-04      0 0.0001552474
## CSI022      0 0.000000e+00 0.000000e+00      0 0.0000000000
## CSI044      0 0.000000e+00 0.000000e+00      0 0.0000000000
## CSI055      0 0.000000e+00 4.302833e-05      0 0.0001505992
## CSI065      0 0.000000e+00 0.000000e+00      0 0.0001891003
## CSI076      0 8.672024e-05 0.000000e+00      0 0.0001445337
##      0tu01550 0tu01551      0tu01552      0tu01553 0tu01554 0tu01555
## CSI001 0.000000e+00      0 7.035977e-05 7.035977e-05      0      0
## CSI012 6.899883e-05      0 5.174912e-05 0.000000e+00      0      0
## CSI022 2.151556e-05      0 6.454667e-05 0.000000e+00      0      0
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI055 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI065 0.000000e+00      0 1.134602e-04 0.000000e+00      0      0
## CSI076 0.000000e+00      0 3.179742e-04 0.000000e+00      0      0
##      0tu01556      0tu01557      0tu01558      0tu01559      0tu01560
## CSI001      0 1.172663e-04 0.000000e+00 4.690652e-05 7.505042e-04
## CSI012      0 3.967433e-04 0.000000e+00 6.899883e-05 1.724971e-04
## CSI022      0 1.290933e-04 0.000000e+00 2.151556e-04 0.000000e+00
## CSI044      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI065      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076      0 0.000000e+00 0.000000e+00 5.781349e-05 1.734405e-04
##      0tu01561 0tu01562      0tu01563 0tu01564 0tu01565      0tu01566
## CSI001      0      0 0.000000e+00      0      0 1.758994e-03
## CSI012      0      0 0.000000e+00      0      0 1.552474e-04
## CSI022      0      0 0.000000e+00      0      0 2.151556e-05
## CSI044      0      0 0.000000e+00      0      0 0.000000e+00
## CSI055      0      0 2.151417e-05      0      0 0.000000e+00
## CSI065      0      0 0.000000e+00      0      0 0.000000e+00
## CSI076      0      0 0.000000e+00      0      0 0.000000e+00
##      0tu01567      0tu01568 0tu01569      0tu01570 0tu01571      0tu01572
## CSI001      0 0.000000e+00      0 4.221586e-04      0 0.0008443173
## CSI012      0 0.000000e+00      0 1.724971e-05      0 0.0001897468
## CSI022      0 0.000000e+00      0 0.000000e+00      0 0.0000000000
## CSI044      0 0.000000e+00      0 0.000000e+00      0 0.0000000000

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##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0.0000000000
##	CSI065	0	3.782005e-04	0	0.000000e+00	0	0.0000000000
##	CSI076	0	0.000000e+00	0	1.734405e-04	0	0.0000000000
##		0tu01573	0tu01574	0tu01575	0tu01576	0tu01577	0tu01578
##	CSI001	0	0	0	0	0	0.0000000000
##	CSI012	0	0	0	0	0	0.0000000000
##	CSI022	0	0	0	0	0	0.0000000000
##	CSI044	0	0	0	0	0	0.0000000000
##	CSI055	0	0	0	0	0	0.0001936275
##	CSI065	0	0	0	0	0	0.0000000000
##	CSI076	0	0	0	0	0	0.0000000000
##		0tu01579	0tu01580	0tu01581	0tu01582	0tu01583	0tu01584
##	CSI001	0.000000000	0	2.228059e-03	9.850368e-04	4.690652e-05	0
##	CSI012	0.000000000	0	1.207479e-04	0.000000e+00	1.724971e-05	0
##	CSI022	0.000000000	0	2.151556e-05	0.000000e+00	0.000000e+00	0
##	CSI044	0.000000000	0	0.000000e+00	0.000000e+00	1.971570e-05	0
##	CSI055	0.000000000	0	0.000000e+00	0.000000e+00	1.075708e-03	0
##	CSI065	0.000000000	0	0.000000e+00	0.000000e+00	7.564010e-05	0
##	CSI076	0.000000000	0	0.000000e+00	0.000000e+00	3.035208e-03	0
##		0tu01585	0tu01586	0tu01587	0tu01588	0tu01589	0tu01590
##	CSI001	0	0	2.345326e-05	0	0	0.000000e+00
##	CSI012	0	0	6.899883e-05	0	0	0.000000e+00
##	CSI022	0	0	2.151556e-05	0	0	0.000000e+00
##	CSI044	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI055	0	0	0.000000e+00	0	0	3.227125e-04
##	CSI065	0	0	0.000000e+00	0	0	3.782005e-05
##	CSI076	0	0	0.000000e+00	0	0	5.781349e-05
##		0tu01591	0tu01592	0tu01593	0tu01594	0tu01595	0tu01596
##	CSI001	0.000000e+00	0	2.345326e-05	0.000000e+00	0	0
##	CSI012	0.000000e+00	0	3.449941e-05	0.000000e+00	0	0
##	CSI022	2.151556e-05	0	4.303111e-05	0.000000e+00	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI055	4.302833e-05	0	0.000000e+00	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI076	1.156270e-04	0	0.000000e+00	0.000000e+00	0	0
##		0tu01597	0tu01598	0tu01599	0tu01600	0tu01601	
##	CSI001	0	2.345326e-05	0.000000e+00	4.690652e-05	5.628782e-04	
##	CSI012	0	0.000000e+00	0.000000e+00	1.379977e-04	1.724971e-05	
##	CSI022	0	0.000000e+00	0.000000e+00	4.303111e-05	0.000000e+00	
##	CSI044	0	1.320952e-03	2.365884e-04	0.000000e+00	0.000000e+00	
##	CSI055	0	0.000000e+00	0.000000e+00	3.442267e-04	2.151417e-05	
##	CSI065	0	5.181347e-03	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	0	1.156270e-04	0.000000e+00	2.312540e-04	8.672024e-05	
##		0tu01602	0tu01603	0tu01604	0tu01605	0tu01606	0tu01607
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	4.690652e-05
##	CSI012	0	0.000000e+00	0.000000e+00	0	0	6.899883e-05
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI055	0	0.000000e+00	8.605667e-05	0	0	0.000000e+00
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI076	0	0.000000e+00	2.023472e-04	0	0	6.648552e-04
##		0tu01608	0tu01609	0tu01610	0tu01611	0tu01612	0tu01613
##	CSI001	0	0	0	7.035977e-05	0	0.0000000000
##	CSI012	0	0	0	2.759953e-04	0	0.0002759953

##	CSI022	0	0	0 1.721244e-04	0 0.0000000000
##	CSI044	0	0	0 0.000000e+00	0 0.0000000000
##	CSI055	0	0	0 2.151417e-05	0 0.0000000000
##	CSI065	0	0	0 0.000000e+00	0 0.0000000000
##	CSI076	0	0	0 0.000000e+00	0 0.0000000000
##		0tu01614	0tu01615	0tu01616	0tu01617 0tu01618
##	CSI001	0.000000e+00	0.000000e+00	4.925184e-04	0 0.000000e+00
##	CSI012	0.000000e+00	0.000000e+00	1.379977e-04	0 0.000000e+00
##	CSI022	0.000000e+00	0.000000e+00	2.151556e-05	0 0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0 0.000000e+00
##	CSI055	0.000000e+00	6.45425e-05	0.000000e+00	0 8.820809e-04
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0 1.512802e-04
##	CSI076	2.890675e-05	0.000000e+00	0.000000e+00	0 1.098456e-03
##		0tu01619	0tu01620	0tu01621	0tu01622 0tu01623 0tu01624
##	CSI001	0 2.110793e-04		0	0 0.000000e+00 0
##	CSI012	0 2.242462e-04		0	0 0.000000e+00 0
##	CSI022	0 0.000000e+00		0	0 0.000000e+00 0
##	CSI044	0 0.000000e+00		0	0 0.000000e+00 0
##	CSI055	0 0.000000e+00		0	0 8.605667e-05 0
##	CSI065	0 0.000000e+00		0	0 0.000000e+00 0
##	CSI076	0 0.000000e+00		0	0 0.000000e+00 0
##		0tu01625	0tu01626	0tu01627	0tu01628 0tu01629 0tu01630
##	CSI001	9.381303e-05	0	0 0.0001641728	0 0
##	CSI012	8.624853e-05	0	0 0.0008107362	0 0
##	CSI022	0.000000e+00	0	0 0.0000000000	0 0
##	CSI044	5.914710e-05	0	0 0.0000000000	0 0
##	CSI055	4.302833e-04	0	0 0.0000000000	0 0
##	CSI065	1.134602e-04	0	0 0.0000000000	0 0
##	CSI076	0.000000e+00	0	0 0.0000000000	0 0
##		0tu01631	0tu01632	0tu01633	0tu01634 0tu01635 0tu01636
##	CSI001	0 0.0000000000		0	0 1.407195e-04 2.345326e-05
##	CSI012	0 0.0000000000		0	0 5.174912e-05 0.000000e+00
##	CSI022	0 0.0000000000		0	0 2.151556e-05 0.000000e+00
##	CSI044	0 0.0000000000		0	0 0.000000e+00 0.000000e+00
##	CSI055	0 0.0003227125		0	0 1.936275e-04 1.290850e-04
##	CSI065	0 0.0000000000		0	0 0.000000e+00 3.403805e-04
##	CSI076	0 0.0001445337		0	0 0.000000e+00 5.781349e-05
##		0tu01637	0tu01638	0tu01639	0tu01640 0tu01641
##	CSI001	3.283456e-04	0 0.000000e+00	0.000000e+00	0
##	CSI012	1.552474e-04	0 0.000000e+00	0.000000e+00	0
##	CSI022	8.606222e-05	0 0.000000e+00	0.000000e+00	0
##	CSI044	0.000000e+00	0 0.000000e+00	0.000000e+00	0
##	CSI055	0.000000e+00	0 0.000000e+00	4.733117e-04	0
##	CSI065	0.000000e+00	0 0.000000e+00	0.000000e+00	0
##	CSI076	0.000000e+00	0 8.672024e-05	3.757877e-04	0
##		0tu01642	0tu01643	0tu01644	0tu01645 0tu01646 0tu01647
##	CSI001	0.000000e+00	2.345326e-05	0	0 0 0 0.0000000000
##	CSI012	5.174912e-05	1.724971e-05	0	0 0 0 0.0000000000
##	CSI022	1.290933e-04	0.000000e+00	0	0 0 0 0.0000000000
##	CSI044	0.000000e+00	1.971570e-05	0	0 0 0 0.0000000000
##	CSI055	2.581700e-04	0.000000e+00	0	0 0 0 0.0000000000
##	CSI065	0.000000e+00	6.429409e-04	0	0 0 0 0.0000000000
##	CSI076	0.000000e+00	2.890675e-05	0	0 0 0 0.0000000000
##		0tu01648	0tu01649	0tu01650	0tu01651 0tu01652 0tu01653

##	CSI001	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	1.971570e-05	0	3.943140e-05	0	0	
##	CSI055	8.605667e-05	4.302833e-05	0	6.454250e-05	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0	1.512802e-04	0	0	
##	CSI076	0.000000e+00	0.000000e+00	0	1.734405e-04	0	0	
##		Otu01654	Otu01655	Otu01656	Otu01657	Otu01658		
##	CSI001	0	0.000000e+00	0.000000e+00	0	0.0003987054		
##	CSI012	0	0.000000e+00	0.000000e+00	0	0.0004139930		
##	CSI022	0	0.000000e+00	0.000000e+00	0	0.0002581867		
##	CSI044	0	0.000000e+00	0.000000e+00	0	0.0000000000		
##	CSI055	0	3.011983e-04	4.517975e-04	0	0.0000000000		
##	CSI065	0	0.000000e+00	1.891003e-04	0	0.0000000000		
##	CSI076	0	0.000000e+00	8.672024e-05	0	0.0000000000		
##		Otu01659	Otu01660	Otu01661	Otu01662	Otu01663	Otu01664	
##	CSI001	3.752521e-04	0.000000e+00	0	0	0	7.035977e-05	
##	CSI012	7.762368e-04	0.000000e+00	0	0	0	4.484924e-04	
##	CSI022	2.151556e-05	4.303111e-05	0	0	0	1.075778e-04	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	1.075708e-04	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	2.269203e-04	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	8.672024e-05	
##		Otu01665	Otu01666	Otu01667	Otu01668	Otu01669		
##	CSI001	2.345326e-05	0.000000e+00	1.243023e-03	1.641728e-04	0.000000e+00		
##	CSI012	1.724971e-05	0.000000e+00	2.242462e-04	5.174912e-05	0.000000e+00		
##	CSI022	0.000000e+00	0.000000e+00	2.581867e-04	0.000000e+00	0.000000e+00		
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	1.97157e-05		
##	CSI055	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI076	2.890675e-04	0.000000e+00	2.890675e-05	2.890675e-05	0.000000e+00		
##		Otu01670	Otu01671	Otu01672	Otu01673	Otu01674	Otu01675	
##	CSI001	2.345326e-05	0	7.035977e-05	0	0	0	
##	CSI012	8.624853e-05	0	0.000000e+00	0	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0	2.151417e-05	0	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI076	1.156270e-04	0	1.214083e-03	0	0	0	
##		Otu01676	Otu01677	Otu01678	Otu01679	Otu01680	Otu01681	Otu01682
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	1.207479e-04	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		Otu01683	Otu01684	Otu01685	Otu01686	Otu01687	Otu01688	
##	CSI001	2.345326e-05	0	0	0	3.517989e-04	0	
##	CSI012	1.897468e-04	0	0	0	2.587456e-04	0	
##	CSI022	2.151556e-05	0	0	0	3.012178e-04	0	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0	

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## CSI076 0.000000e+00      0      0      0 0.000000e+00      0
##      0tu01689 0tu01690 0tu01691 0tu01692      0tu01693      0tu01694
## CSI001      0      0      0      0 7.035977e-05 2.345326e-05
## CSI012      0      0      0      0 1.724971e-05 8.624853e-05
## CSI022      0      0      0      0 0.000000e+00 2.151556e-05
## CSI044      0      0      0      0 0.000000e+00 0.000000e+00
## CSI055      0      0      0      0 8.605667e-05 0.000000e+00
## CSI065      0      0      0      0 3.782005e-05 0.000000e+00
## CSI076      0      0      0      0 2.023472e-04 0.000000e+00
##      0tu01695 0tu01696 0tu01697      0tu01698 0tu01699      0tu01700
## CSI001      0      0      0 0.000000e+00      0 2.345326e-05
## CSI012      0      0      0 0.000000e+00      0 6.899883e-05
## CSI022      0      0      0 2.151556e-05      0 0.000000e+00
## CSI044      0      0      0 0.000000e+00      0 0.000000e+00
## CSI055      0      0      0 0.000000e+00      0 0.000000e+00
## CSI065      0      0      0 7.904391e-03      0 0.000000e+00
## CSI076      0      0      0 0.000000e+00      0 0.000000e+00
##      0tu01701 0tu01702 0tu01703 0tu01704 0tu01705 0tu01706
## CSI001 0.0000000000      0      0      0      0      0
## CSI012 0.0000000000      0      0      0      0      0
## CSI022 0.0000000000      0      0      0      0      0
## CSI044 0.0000197157      0      0      0      0      0
## CSI055 0.0000000000      0      0      0      0      0
## CSI065 0.0000000000      0      0      0      0      0
## CSI076 0.0000000000      0      0      0      0      0
##      0tu01707      0tu01708 0tu01709      0tu01710      0tu01711
## CSI001 0.000000e+00 0.0000000000      0 0.000000e+00 7.035977e-05
## CSI012 0.000000e+00 0.0000000000      0 0.000000e+00 1.724971e-05
## CSI022 0.000000e+00 0.0000000000      0 2.151556e-05 1.506089e-04
## CSI044 0.000000e+00 0.0000000000      0 0.000000e+00 0.000000e+00
## CSI055 8.605667e-05 0.0007099675      0 1.290850e-04 0.000000e+00
## CSI065 0.000000e+00 0.0001512802      0 3.782005e-05 0.000000e+00
## CSI076 0.000000e+00 0.0000000000      0 1.734405e-04 0.000000e+00
##      0tu01712      0tu01713 0tu01714 0tu01715      0tu01716
## CSI001 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI012 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI022 2.151556e-05 0.000000e+00      0      0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0      0 1.97157e-05
## CSI055 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00      0      0 0.000000e+00
##      0tu01717      0tu01718 0tu01719      0tu01720      0tu01721
## CSI001 0.000000e+00 0.0000000000      0 0.000000e+00 1.407195e-04
## CSI012 0.000000e+00 0.0000000000      0 0.000000e+00 8.624853e-05
## CSI022 0.000000e+00 0.0000000000      0 0.000000e+00 3.227333e-04
## CSI044 0.000000e+00 0.0000000000      0 0.000000e+00 0.000000e+00
## CSI055 1.721133e-04 0.0000000000      0 2.151417e-05 0.000000e+00
## CSI065 0.000000e+00 0.0000000000      0 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00 0.0006648552      0 1.445337e-04 0.000000e+00
##      0tu01722      0tu01723      0tu01724 0tu01725      0tu01726
## CSI001      0 0.000000e+00 0.000000e+00      0 2.345326e-05
## CSI012      0 0.000000e+00 0.000000e+00      0 1.379977e-04
## CSI022      0 0.000000e+00 0.000000e+00      0 4.303111e-05
## CSI044      0 0.000000e+00 0.000000e+00      0 0.000000e+00

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## CSI055      0 0.000000e+00 6.454250e-05      0 1.075708e-04
## CSI065      0 0.000000e+00 1.512802e-04      0 7.564010e-05
## CSI076      0 0.000000e+00 5.781349e-05      0 3.179742e-04
##      0tu01727      0tu01728      0tu01729      0tu01730 0tu01731
## CSI001 0.000000e+00 0.000000e+00 0.0000000000 2.345326e-05      0
## CSI012 2.587456e-04 0.000000e+00 0.0000000000 0.000000e+00      0
## CSI022 2.151556e-05 0.000000e+00 0.0000000000 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00      0
## CSI055 0.000000e+00 0.000000e+00 0.0004948258 0.000000e+00      0
## CSI065 0.000000e+00 3.782005e-05 0.0000000000 0.000000e+00      0
## CSI076 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00      0
##      0tu01732      0tu01733      0tu01734      0tu01735 0tu01736
## CSI001 0.000000e+00 4.925184e-04 2.345326e-04 2.345326e-05      0
## CSI012 0.000000e+00 5.174912e-04 6.899883e-05 0.000000e+00      0
## CSI022 0.000000e+00 2.151556e-05 2.151556e-05 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI055 6.239108e-04 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI076 1.127363e-03 0.000000e+00 0.000000e+00 2.890675e-05      0
##      0tu01737 0tu01738 0tu01739 0tu01740      0tu01741 0tu01742 0tu01743
## CSI001      0      0      0      0 0.0000000000      0      0
## CSI012      0      0      0      0 0.0000000000      0      0
## CSI022      0      0      0      0 0.0000000000      0      0
## CSI044      0      0      0      0 0.0000197157      0      0
## CSI055      0      0      0      0 0.0000000000      0      0
## CSI065      0      0      0      0 0.0000000000      0      0
## CSI076      0      0      0      0 0.0000000000      0      0
##      0tu01744      0tu01745      0tu01746 0tu01747      0tu01748
## CSI001 0.000000e+00 0.0000000000 0.000000e+00      0 2.110793e-04
## CSI012 1.724971e-05 0.0000000000 5.174912e-05      0 1.724971e-05
## CSI022 0.000000e+00 0.0000000000 1.290933e-04      0 4.303111e-05
## CSI044 0.000000e+00 0.0000000000 0.000000e+00      0 0.000000e+00
## CSI055 0.000000e+00 0.0000645425 1.290850e-04      0 0.000000e+00
## CSI065 0.000000e+00 0.0000000000 0.000000e+00      0 0.000000e+00
## CSI076 0.000000e+00 0.0000000000 2.312540e-04      0 2.312540e-04
##      0tu01749      0tu01750 0tu01751 0tu01752      0tu01753      0tu01754
## CSI001      0 2.814391e-04      0      0 0.000000e+00 0.0000000000
## CSI012      0 2.069965e-04      0      0 5.174912e-05 0.0007244877
## CSI022      0 6.454667e-05      0      0 8.606222e-05 0.0002797022
## CSI044      0 0.000000e+00      0      0 0.000000e+00 0.0000000000
## CSI055      0 0.000000e+00      0      0 0.000000e+00 0.0000000000
## CSI065      0 3.782005e-05      0      0 0.000000e+00 0.0000000000
## CSI076      0 1.156270e-04      0      0 0.000000e+00 0.0000000000
##      0tu01755 0tu01756      0tu01757      0tu01758 0tu01759
## CSI001 0.0008912238      0 0.000000e+00 0.0000000000      0
## CSI012 0.0004484924      0 0.000000e+00 0.0000000000      0
## CSI022 0.0000000000      0 6.454667e-05 0.0000000000      0
## CSI044 0.0000000000      0 0.000000e+00 0.0000394314      0
## CSI055 0.0000000000      0 0.000000e+00 0.0031410684      0
## CSI065 0.0000000000      0 0.000000e+00 0.0000000000      0
## CSI076 0.0000000000      0 0.000000e+00 0.0000000000      0
##      0tu01760      0tu01761      0tu01762      0tu01763 0tu01764
## CSI001 7.035977e-05 1.172663e-04 0.000000e+00 1.407195e-04      0
## CSI012 1.724971e-05 8.624853e-05 0.000000e+00 1.897468e-04      0

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## CSI022 0.000000e+00 4.087956e-04 0.000000e+00 2.151556e-05 0
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0
## CSI055 0.000000e+00 6.454250e-04 2.151417e-05 0.000000e+00 0
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0
## CSI076 0.000000e+00 9.828294e-04 0.000000e+00 0.000000e+00 0
##      0tu01765      0tu01766      0tu01767 0tu01768 0tu01769
## CSI001 0.000000e+00 0.0001407195 7.035977e-05 0 0
## CSI012 3.449941e-05 0.0002932450 0.000000e+00 0 0
## CSI022 1.506089e-04 0.0002151556 8.606222e-05 0 0
## CSI044 0.000000e+00 0.0000000000 0.000000e+00 0 0
## CSI055 0.000000e+00 0.0000000000 0.000000e+00 0 0
## CSI065 0.000000e+00 0.0000000000 0.000000e+00 0 0
## CSI076 0.000000e+00 0.0000000000 0.000000e+00 0 0
##      0tu01770      0tu01771      0tu01772 0tu01773 0tu01774
## CSI001 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI012 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI022 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI044 0.000000e+00 0.000000e+00 1.971570e-05 0 0
## CSI055 1.075708e-04 0.000000e+00 1.226308e-03 0 0
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI076 5.781349e-05 2.890675e-05 1.098456e-03 0 0
##      0tu01775      0tu01776      0tu01777      0tu01778 0tu01779
## CSI001 0.0031192833 0.000000e+00 0.000000000 3.987054e-04 0
## CSI012 0.0000000000 3.449941e-05 0.000000000 0.000000e+00 0
## CSI022 0.0000000000 2.151556e-05 0.000000000 0.000000e+00 0
## CSI044 0.0000000000 0.000000e+00 0.000000000 0.000000e+00 0
## CSI055 0.0000000000 0.000000e+00 0.000000000 2.151417e-05 0
## CSI065 0.0000000000 7.564010e-05 0.004424946 0.000000e+00 0
## CSI076 0.0000000000 0.000000e+00 0.000000000 0.000000e+00 0
##      0tu01780      0tu01781      0tu01782 0tu01783 0tu01784 0tu01785
## CSI001 0 0.000000e+00 0.0000000000 0 0 0
## CSI012 0 0.000000e+00 0.0000000000 0 0 0
## CSI022 0 2.151556e-05 0.0000000000 0 0 0
## CSI044 0 0.000000e+00 0.0000591471 0 0 0
## CSI055 0 0.000000e+00 0.0000000000 0 0 0
## CSI065 0 0.000000e+00 0.0000000000 0 0 0
## CSI076 0 0.000000e+00 0.0010406429 0 0 0
##      0tu01786      0tu01787 0tu01788      0tu01789 0tu01790
## CSI001 1.641728e-04 0.000000e+00 0 0.000000e+00 0
## CSI012 0.000000e+00 0.000000e+00 0 0.000000e+00 0
## CSI022 0.000000e+00 8.606222e-05 0 0.000000e+00 0
## CSI044 0.000000e+00 0.000000e+00 0 0.000000e+00 0
## CSI055 0.000000e+00 0.000000e+00 0 0.000000e+00 0
## CSI065 0.000000e+00 7.564010e-05 0 0.000000e+00 0
## CSI076 0.000000e+00 0.000000e+00 0 0.000000e+00 0
##      0tu01791 0tu01792      0tu01793      0tu01794      0tu01795
## CSI001 0.000000e+00 0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI012 1.724971e-05 0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI022 0.000000e+00 0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00 0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00 0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00 0 0.000000e+00 0.000000e+00 4.916607e-03
## CSI076 0.000000e+00 0 0.000000e+00 2.890675e-05 0.000000e+00
##      0tu01796      0tu01797      0tu01798 0tu01799 0tu01800      0tu01801

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##	CSI001	0	0.000000e+00	9.381303e-05	0	0	0.000000e+00
##	CSI012	0	0.000000e+00	1.724971e-05	0	0	0.000000e+00
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI055	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI065	0	3.782005e-05	0.000000e+00	0	0	0.000000e+00
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	0tu01802	0tu01803	0tu01804	0tu01805	0tu01806	0tu01807	
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI012	0	8.624853e-05	0.000000e+00	0	0	0
##	CSI022	0	1.290933e-04	0.000000e+00	0	0	0
##	CSI044	0	7.886280e-05	0.000000e+00	0	0	0
##	CSI055	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI065	0	0.000000e+00	3.782005e-05	0	0	0
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0
##	0tu01808	0tu01809	0tu01810	0tu01811	0tu01812	0tu01813	
##	CSI001	0	0.0003283456	4.690652e-05	0	0	0.000000e+00
##	CSI012	0	0.0000000000	0.000000e+00	0	0	0.000000e+00
##	CSI022	0	0.0000000000	2.151556e-05	0	0	2.151556e-05
##	CSI044	0	0.0000000000	0.000000e+00	0	0	0.000000e+00
##	CSI055	0	0.0000000000	3.442267e-04	0	0	0.000000e+00
##	CSI065	0	0.0000000000	0.000000e+00	0	0	0.000000e+00
##	CSI076	0	0.0000000000	8.672024e-05	0	0	0.000000e+00
##	0tu01814	0tu01815	0tu01816	0tu01817	0tu01818	0tu01819	
##	CSI001	0	3.987054e-04	7.035977e-05	0	0	0
##	CSI012	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI022	0	4.303111e-05	0.000000e+00	0	0	0
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI055	0	5.163400e-04	6.023967e-04	0	0	0
##	CSI065	0	0.000000e+00	3.782005e-05	0	0	0
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0
##	0tu01820	0tu01821	0tu01822	0tu01823	0tu01824		
##	CSI001	0	0.000000e+00	0	0.0003048923	0.000000e+00	
##	CSI012	0	0.000000e+00	0	0.0000000000	5.174912e-05	
##	CSI022	0	4.303111e-05	0	0.0001506089	2.151556e-05	
##	CSI044	0	0.000000e+00	0	0.0000000000	0.000000e+00	
##	CSI055	0	0.000000e+00	0	0.0000000000	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0.0000000000	3.782005e-05	
##	CSI076	0	0.000000e+00	0	0.0000000000	0.000000e+00	
##	0tu01825	0tu01826	0tu01827	0tu01828	0tu01829		
##	CSI001	2.345326e-05	0	0.000000e+00	0.000000e+00	0.0000000000	
##	CSI012	6.899883e-05	0	0.000000e+00	0.000000e+00	0.0000000000	
##	CSI022	0.000000e+00	0	2.151556e-05	0.000000e+00	0.0009897156	
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0.0000000000	
##	CSI055	0.000000e+00	0	3.442267e-04	0.000000e+00	0.0000000000	
##	CSI065	0.000000e+00	0	3.782005e-05	0.000000e+00	0.0000000000	
##	CSI076	0.000000e+00	0	0.000000e+00	0.000000e+00	0.0000000000	
##	0tu01830	0tu01831	0tu01832	0tu01833	0tu01834	0tu01835	
##	CSI001	0.000000e+00	0	0	0.000000e+00	0.0000000000	0
##	CSI012	0.000000e+00	0	0	0.000000e+00	0.0000000000	0
##	CSI022	0.000000e+00	0	0	2.151556e-05	0.0000000000	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.0000000000	0
##	CSI055	6.454250e-05	0	0	1.505992e-04	0.0000000000	0
##	CSI065	7.564010e-05	0	0	0.000000e+00	0.0000000000	0

```

## CSI076 0.000000e+00      0      0 5.781349e-05 0.0002312540      0
##      0tu01836      0tu01837 0tu01838      0tu01839 0tu01840 0tu01841
## CSI001 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI012 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI022 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI044 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI055 2.151417e-05 1.979303e-03      0 4.302833e-05      0      0
## CSI065 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI076 0.000000e+00 2.601607e-04      0 5.781349e-05      0      0
##      0tu01842      0tu01843 0tu01844      0tu01845 0tu01846 0tu01847
## CSI001 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI012 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI022 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI044 7.886280e-05 0.000000e+00      0 0.000000e+00      0      0
## CSI055 6.454250e-05 2.151417e-05      0 0.000000e+00      0      0
## CSI065 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI076 0.000000e+00 0.000000e+00      0 8.672024e-05      0      0
##      0tu01848      0tu01849 0tu01850      0tu01851      0tu01852
## CSI001      0 2.345326e-05      0 3.987054e-04 0.000000e+00
## CSI012      0 4.484924e-04      0 6.899883e-05 0.000000e+00
## CSI022      0 2.581867e-04      0 0.000000e+00 4.303111e-05
## CSI044      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI055      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI065      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI076      0 0.000000e+00      0 0.000000e+00 0.000000e+00
##      0tu01853 0tu01854 0tu01855 0tu01856      0tu01857 0tu01858
## CSI001 0.000000e+00      0      0      0 0.0000000000      0
## CSI012 0.000000e+00      0      0      0 0.0000000000      0
## CSI022 0.000000e+00      0      0      0 0.0000000000      0
## CSI044 0.000000e+00      0      0      0 0.0000000000      0
## CSI055 8.605667e-05      0      0      0 0.0002366558      0
## CSI065 3.782005e-05      0      0      0 0.0000000000      0
## CSI076 0.000000e+00      0      0      0 0.0000000000      0
##      0tu01859 0tu01860 0tu01861      0tu01862 0tu01863 0tu01864
## CSI001 2.345326e-04      0      0 0.0000000000      0      0
## CSI012 2.759953e-04      0      0 0.0000000000      0      0
## CSI022 1.290933e-04      0      0 0.0000000000      0      0
## CSI044 0.000000e+00      0      0 0.0000000000      0      0
## CSI055 0.000000e+00      0      0 0.0001505992      0      0
## CSI065 0.000000e+00      0      0 0.0000000000      0      0
## CSI076 0.000000e+00      0      0 0.0000000000      0      0
##      0tu01865 0tu01866 0tu01867 0tu01868 0tu01869 0tu01870 0tu01871
## CSI001 0.0001641728      0      0      0      0      0      0
## CSI012 0.0001207479      0      0      0      0      0      0
## CSI022 0.0002797022      0      0      0      0      0      0
## CSI044 0.0000000000      0      0      0      0      0      0
## CSI055 0.0000000000      0      0      0      0      0      0
## CSI065 0.0000000000      0      0      0      0      0      0
## CSI076 0.0000000000      0      0      0      0      0      0
##      0tu01872      0tu01873 0tu01874      0tu01875 0tu01876 0tu01877
## CSI001 1.641728e-04 2.345326e-05      0 4.690652e-05      0      0
## CSI012 8.624853e-05 0.000000e+00      0 1.724971e-05      0      0
## CSI022 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI044 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0

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##	CSI055	0.000000e+00	4.733117e-04	0	1.075708e-04	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	3.782005e-05	0	0
##	CSI076	5.781349e-05	2.890675e-05	0	2.023472e-04	0	0
##		0tu01878	0tu01879	0tu01880	0tu01881	0tu01882	0tu01883
##	CSI001	4.456119e-04	2.345326e-05	0	0	0	0
##	CSI012	3.967433e-04	5.174912e-04	0	0	0	0
##	CSI022	1.721244e-04	8.606222e-05	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu01884	0tu01885	0tu01886	0tu01887	0tu01888	0tu01889
##	CSI001	0	0	0.0000000000	0.000000e+00	0	0
##	CSI012	0	0	0.0000000000	1.724971e-05	0	0
##	CSI022	0	0	0.0000000000	0.000000e+00	0	0
##	CSI044	0	0	0.0000000000	0.000000e+00	0	0
##	CSI055	0	0	0.0000000000	6.454250e-05	0	0
##	CSI065	0	0	0.0004538406	3.782005e-05	0	0
##	CSI076	0	0	0.0000000000	0.000000e+00	0	0
##		0tu01890	0tu01891	0tu01892	0tu01893	0tu01894	
##	CSI001	0	2.814391e-04	2.345326e-05	0.0000000000	0.000000e+00	
##	CSI012	0	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI022	0	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI044	0	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI055	0	2.151417e-05	2.151417e-05	0.0000000000	0.000000e+00	
##	CSI065	0	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI076	0	0.000000e+00	2.023472e-04	0.0000000000	0.000000e+00	
##		0tu01895	0tu01896	0tu01897	0tu01898	0tu01899	0tu01900
##	CSI001	0	0.0000000000	0	0	0.000000e+00	0
##	CSI012	0	0.0004139930	0	0	1.724971e-05	0
##	CSI022	0	0.0000000000	0	0	8.606222e-05	0
##	CSI044	0	0.0000000000	0	0	0.000000e+00	0
##	CSI055	0	0.0000000000	0	0	0.000000e+00	0
##	CSI065	0	0.0000000000	0	0	0.000000e+00	0
##	CSI076	0	0.0000000000	0	0	0.000000e+00	0
##		0tu01901	0tu01902	0tu01903	0tu01904	0tu01905	
##	CSI001	0.0000000000	0	0	0.000000e+00	0.000000e+00	
##	CSI012	0.0000000000	0	0	1.724971e-05	0.000000e+00	
##	CSI022	0.0000000000	0	0	0.000000e+00	0.000000e+00	
##	CSI044	0.0000000000	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0.0000000000	0	0	0.000000e+00	1.290850e-04	
##	CSI065	0.0000000000	0	0	0.000000e+00	1.512802e-04	
##	CSI076	0.0000000000	0	0	2.890675e-05	0.000000e+00	
##		0tu01906	0tu01907	0tu01908	0tu01909	0tu01910	
##	CSI001	2.345326e-05	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI012	8.624853e-05	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI022	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI076	0.000000e+00	0.000000e+00	0	5.781349e-05	0.000000e+00	
##		0tu01911	0tu01912	0tu01913	0tu01914	0tu01915	0tu01916
##	CSI001	0	2.345326e-05	0	0	0.0003752521	0
##	CSI012	0	2.414959e-04	0	0	0.0008969848	0

##	CSI022	0	1.721244e-04	0	0	0.0000000000	0
##	CSI044	0	0.000000e+00	0	0	0.0000000000	0
##	CSI055	0	0.000000e+00	0	0	0.0000000000	0
##	CSI065	0	0.000000e+00	0	0	0.0000000000	0
##	CSI076	0	0.000000e+00	0	0	0.0001445337	0
##		0tu01917	0tu01918	0tu01919	0tu01920	0tu01921	
##	CSI001	0.000000e+00	0.000000e+00	0.0000000000	0.0000000000		0
##	CSI012	0.000000e+00	0.000000e+00	0.0000000000	0.0000000000		0
##	CSI022	0.000000e+00	0.000000e+00	0.0000000000	0.0000000000		0
##	CSI044	0.000000e+00	0.000000e+00	0.0000000000	0.0000000000		0
##	CSI055	0.000000e+00	0.000000e+00	0.000129085	0.0003657408		0
##	CSI065	0.000000e+00	0.000000e+00	0.0000000000	0.0000000000		0
##	CSI076	0.000000e+00	0.000000e+00	0.0000000000	0.0001156270		0
##		0tu01922	0tu01923	0tu01924	0tu01925	0tu01926	0tu01927
##	CSI001	0	0.0000000000	0	0	0.000000e+00	0
##	CSI012	0	0.0000000000	0	0	0.000000e+00	0
##	CSI022	0	0.0000000000	0	0	0.000000e+00	0
##	CSI044	0	0.0000000000	0	0	0.000000e+00	0
##	CSI055	0	0.000129085	0	0	6.45425e-05	0
##	CSI065	0	0.0000000000	0	0	0.000000e+00	0
##	CSI076	0	0.0000000000	0	0	0.000000e+00	0
##		0tu01928	0tu01929	0tu01930	0tu01931	0tu01932	0tu01933
##	CSI001	0	3.517989e-04	0	0.000000e+00	0	0
##	CSI012	0	2.587456e-04	0	0.000000e+00	0	0
##	CSI022	0	4.303111e-05	0	0.000000e+00	0	0
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0
##		0tu01934	0tu01935	0tu01936	0tu01937	0tu01938	0tu01939
##	CSI001	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI012	0	0	0.000000e+00	0	0	1.724971e-05
##	CSI022	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI044	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI055	0	0	0.000000e+00	0	0	2.151417e-05
##	CSI065	0	0	3.782005e-05	0	0	0.000000e+00
##	CSI076	0	0	0.000000e+00	0	0	8.672024e-05
##		0tu01940	0tu01941	0tu01942	0tu01943	0tu01944	
##	CSI001	2.345326e-05	0.000000e+00	7.035977e-05	0	3.517989e-04	
##	CSI012	2.587456e-04	0.000000e+00	1.552474e-04	0	1.207479e-04	
##	CSI022	8.606222e-05	0.000000e+00	2.581867e-04	0	2.797022e-04	
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI055	4.302833e-05	2.151417e-05	0.000000e+00	0	0.000000e+00	
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI076	2.312540e-04	0.000000e+00	0.000000e+00	0	1.734405e-04	
##		0tu01945	0tu01946	0tu01947	0tu01948	0tu01949	0tu01950
##	CSI001	0	0.0000000000	0	0	0	4.690652e-05
##	CSI012	0	0.0000000000	0	0	0	0.000000e+00
##	CSI022	0	0.0000000000	0	0	0	0.000000e+00
##	CSI044	0	0.0000000000	0	0	0	0.000000e+00
##	CSI055	0	0.0000000000	0	0	0	5.378542e-04
##	CSI065	0	0.0000000000	0	0	0	7.564010e-05
##	CSI076	0	0.002370353	0	0	0	6.937619e-04
##		0tu01951	0tu01952	0tu01953	0tu01954	0tu01955	0tu01956 0tu01957

##	CSI001	0	0	0	0	1.172663e-04	0	0		
##	CSI012	0	0	0	0	5.174912e-05	0	0		
##	CSI022	0	0	0	0	0.000000e+00	0	0		
##	CSI044	0	0	0	0	0.000000e+00	0	0		
##	CSI055	0	0	0	0	0.000000e+00	0	0		
##	CSI065	0	0	0	0	0.000000e+00	0	0		
##	CSI076	0	0	0	0	0.000000e+00	0	0		
##		0tu01958	0tu01959	0tu01960		0tu01961	0tu01962	0tu01963	0tu01964	
##	CSI001	0	0	0	7.035977e-05	0	0	0	0	
##	CSI012	0	0	0	1.724971e-05	0	0	0	0	
##	CSI022	0	0	0	0.000000e+00	0	0	0	0	
##	CSI044	0	0	0	0.000000e+00	0	0	0	0	
##	CSI055	0	0	0	0.000000e+00	0	0	0	0	
##	CSI065	0	0	0	0.000000e+00	0	0	0	0	
##	CSI076	0	0	0	0.000000e+00	0	0	0	0	
##		0tu01965	0tu01966		0tu01967	0tu01968		0tu01969	0tu01970	
##	CSI001	0	0	1.172663e-04	0	7.035977e-05	1.172663e-04			
##	CSI012	0	0	3.449941e-05	0	0.000000e+00	5.174912e-05			
##	CSI022	0	0	2.151556e-05	0	8.606222e-05	1.721244e-04			
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00			
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00			
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00			
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00			
##			0tu01971	0tu01972	0tu01973	0tu01974		0tu01975	0tu01976	
##	CSI001	0.000000e+00		0	0	0	7.035977e-05	0.0000000000		
##	CSI012	1.724971e-05		0	0	0	2.414959e-04	0.0000000000		
##	CSI022	6.454667e-05		0	0	0	2.151556e-05	0.0000000000		
##	CSI044	0.000000e+00		0	0	0	0.000000e+00	0.0000000000		
##	CSI055	0.000000e+00		0	0	0	0.000000e+00	0.0004517975		
##	CSI065	3.782005e-05		0	0	0	0.000000e+00	0.0000000000		
##	CSI076	5.203214e-04		0	0	0	0.000000e+00	0.0000000000		
##			0tu01977	0tu01978		0tu01979	0tu01980	0tu01981	0tu01982	0tu01983
##	CSI001	0	0	0.000000000		0	0	0	0	0
##	CSI012	0	0	0.00175947		0	0	0	0	0
##	CSI022	0	0	0.000000000		0	0	0	0	0
##	CSI044	0	0	0.000000000		0	0	0	0	0
##	CSI055	0	0	0.000000000		0	0	0	0	0
##	CSI065	0	0	0.000000000		0	0	0	0	0
##	CSI076	0	0	0.000000000		0	0	0	0	0
##			0tu01984	0tu01985	0tu01986	0tu01987	0tu01988		0tu01989	
##	CSI001	0	0	0	0	0	0	1.407195e-04		
##	CSI012	0	0	0	0	0	0	5.174912e-05		
##	CSI022	0	0	0	0	0	0	0.000000e+00		
##	CSI044	0	0	0	0	0	0	0.000000e+00		
##	CSI055	0	0	0	0	0	0	8.605667e-05		
##	CSI065	0	0	0	0	0	0	0.000000e+00		
##	CSI076	0	0	0	0	0	0	2.890675e-05		
##			0tu01990	0tu01991	0tu01992		0tu01993	0tu01994		0tu01995
##	CSI001	1.172663e-04		0	0	2.345326e-05	0	0.000000e+00		
##	CSI012	1.724971e-05		0	0	0.000000e+00	0	0.000000e+00		
##	CSI022	2.151556e-05		0	0	4.303111e-05	0	0.000000e+00		
##	CSI044	0.000000e+00		0	0	0.000000e+00	0	0.000000e+00		
##	CSI055	0.000000e+00		0	0	0.000000e+00	0	2.151417e-05		
##	CSI065	0.000000e+00		0	0	0.000000e+00	0	1.058961e-03		

##	CSI076	0.000000e+00	0	0	0.000000e+00	0	2.601607e-04
##		0tu01996	0tu01997	0tu01998	0tu01999	0tu02000	0tu02001
##	CSI001	1.641728e-04	0	1.876261e-04	0	0.000000e+00	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI022	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI055	0.000000e+00	0	0.000000e+00	0	2.151417e-05	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI076	0.000000e+00	0	2.890675e-05	0	0.000000e+00	0
##		0tu02002	0tu02003	0tu02004	0tu02005	0tu02006	0tu02007
##	CSI001	0	0	0	0.0000000000	0	0
##	CSI012	0	0	0	0.0000000000	0	0
##	CSI022	0	0	0	0.0000000000	0	0
##	CSI044	0	0	0	0.0000000000	0	0
##	CSI055	0	0	0	0.0000000000	0	0
##	CSI065	0	0	0	0.0001512802	0	0
##	CSI076	0	0	0	0.0000000000	0	0
##		0tu02008	0tu02009	0tu02010	0tu02011	0tu02012	
##	CSI001	0.0000000000	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI012	0.0000000000	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI022	0.0003227333	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI044	0.0000000000	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0.0000000000	0	0.000000e+00	0.000000e+00	2.151417e-05	
##	CSI065	0.0000000000	0	3.782005e-05	0.000000e+00	0.000000e+00	
##	CSI076	0.0000000000	0	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu02013	0tu02014	0tu02015	0tu02016	0tu02017	0tu02018
##	CSI001	0	0.0000000000	0	3.987054e-04	0.000000e+00	0
##	CSI012	0	0.0001552474	0	0.000000e+00	0.000000e+00	0
##	CSI022	0	0.0002581867	0	0.000000e+00	0.000000e+00	0
##	CSI044	0	0.0000000000	0	0.000000e+00	0.000000e+00	0
##	CSI055	0	0.0000000000	0	0.000000e+00	6.45425e-05	0
##	CSI065	0	0.0000000000	0	0.000000e+00	0.000000e+00	0
##	CSI076	0	0.0001445337	0	3.757877e-04	0.000000e+00	0
##		0tu02019	0tu02020	0tu02021	0tu02022	0tu02023	
##	CSI001	0.000000e+00	0	2.345326e-05	0.000000e+00	0	
##	CSI012	1.724971e-05	0	5.174912e-05	1.724971e-05	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##	CSI055	2.796842e-04	0	0.000000e+00	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0.000000e+00	3.782005e-05	0	
##	CSI076	4.046945e-04	0	0.000000e+00	0.000000e+00	0	
##		0tu02024	0tu02025	0tu02026	0tu02027	0tu02028	
##	CSI001	0.000000e+00	0	0.000000e+00	0.0002110793	0.000000e+00	
##	CSI012	1.724971e-05	0	0.000000e+00	0.0001034982	0.000000e+00	
##	CSI022	2.151556e-05	0	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI044	0.000000e+00	0	0.000000e+00	0.0000000000	3.943140e-05	
##	CSI055	2.366558e-03	0	4.302833e-05	0.0000000000	2.151417e-05	
##	CSI065	0.000000e+00	0	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI076	0.000000e+00	0	5.781349e-05	0.0000000000	2.890675e-05	
##		0tu02029	0tu02030	0tu02031	0tu02032	0tu02033	
##	CSI001	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI044	1.971570e-05	0.000000e+00	0	1.971570e-05	0	

##	CSI055	1.290850e-04	8.605667e-05	0	0.000000e+00	0	
##	CSI065	0.000000e+00	1.134602e-03	0	0.000000e+00	0	
##	CSI076	2.890675e-05	8.672024e-05	0	2.890675e-05	0	
##		0tu02034	0tu02035	0tu02036	0tu02037	0tu02038	
##	CSI001	0.0000000000	0.000000e+00	2.345326e-05	0.0000000000	0	
##	CSI012	0.0001552474	0.000000e+00	0.000000e+00	0.0000000000	0	
##	CSI022	0.0000000000	0.000000e+00	2.366711e-04	0.0000000000	0	
##	CSI044	0.0000000000	0.000000e+00	0.000000e+00	0.0000000000	0	
##	CSI055	0.0000000000	0.000000e+00	0.000000e+00	0.0000000000	0	
##	CSI065	0.0000000000	7.564010e-05	0.000000e+00	0.0009833214	0	
##	CSI076	0.0000000000	0.000000e+00	0.000000e+00	0.0002312540	0	
##		0tu02039	0tu02040	0tu02041	0tu02042	0tu02043	0tu02044
##	CSI001	0.0000000000	0	0	0 0.000000e+00	0	
##	CSI012	0.0000000000	0	0	0 0.000000e+00	0	
##	CSI022	0.0000000000	0	0	0 0.000000e+00	0	
##	CSI044	0.0000000000	0	0	0 0.000000e+00	0	
##	CSI055	0.0000000000	0	0	0 1.570534e-03	0	
##	CSI065	0.0000000000	0	0	0 0.000000e+00	0	
##	CSI076	0.0000000000	0	0	0 1.156270e-04	0	
##		0tu02045	0tu02046	0tu02047	0tu02048	0tu02049	0tu02050
##	CSI001	0	0	0.0000000000	2.345326e-04	0.000000e+00	0
##	CSI012	0	0	0.0000000000	1.552474e-04	3.449941e-05	0
##	CSI022	0	0	0.0000000000	6.454667e-05	0.000000e+00	0
##	CSI044	0	0	0.0000000000	0.000000e+00	0.000000e+00	0
##	CSI055	0	0	0.0000000000	0.000000e+00	0.000000e+00	0
##	CSI065	0	0	0.0000000000	0.000000e+00	0.000000e+00	0
##	CSI076	0	0	0.0000000000	0.000000e+00	0.000000e+00	0
##		0tu02051	0tu02052	0tu02053	0tu02054	0tu02055	0tu02056
##	CSI001	0	0	0	0 2.345326e-05	2.345326e-05	
##	CSI012	0	0	0	0 0.000000e+00	0.000000e+00	
##	CSI022	0	0	0	0 0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0 0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	0 4.302833e-05	0.000000e+00	
##	CSI065	0	0	0	0 0.000000e+00	0.000000e+00	
##	CSI076	0	0	0	0 5.781349e-05	0.000000e+00	
##		0tu02057	0tu02058	0tu02059	0tu02060	0tu02061	0tu02062
##	CSI001	8.443173e-04	0	0.0001172663	0	0.0000000000	0
##	CSI012	1.724971e-05	0	0.0002069965	0	0.0000000000	0
##	CSI022	0.000000e+00	0	0.0000000000	0	0.0000000000	0
##	CSI044	0.000000e+00	0	0.0000000000	0	0.0000000000	0
##	CSI055	4.302833e-05	0	0.0000000000	0	0.0000000000	0
##	CSI065	0.000000e+00	0	0.0000000000	0	0.0000000000	0
##	CSI076	0.000000e+00	0	0.0000000000	0	0.0000000000	0
##		0tu02063	0tu02064	0tu02065	0tu02066	0tu02067	
##	CSI001	0.000000e+00	0	0.000000e+00	7.035977e-05	9.381303e-05	
##	CSI012	3.449941e-05	0	0.000000e+00	6.899883e-05	0.000000e+00	
##	CSI022	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI065	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	5.781349e-05	0	1.156270e-04	0.000000e+00	0.000000e+00	
##		0tu02068	0tu02069	0tu02070	0tu02071	0tu02072	
##	CSI001	0	0.000000e+00	0.0000000000	0.000000e+00	0.0000000000	
##	CSI012	0	0.000000e+00	0.0000000000	0.000000e+00	0.0000000000	

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## CSI022      0 0.00000e+00 0.0000000000 0.000000e+00 0.0000000000
## CSI044      0 1.97157e-05 0.0000000000 0.000000e+00 0.0000000000
## CSI055      0 0.00000e+00 0.0000000000 2.151417e-05 0.0000000000
## CSI065      0 0.00000e+00 0.0000000000 0.000000e+00 0.0000000000
## CSI076      0 0.00000e+00 0.0000000000 8.672024e-05 0.0000000000
##      0tu02073      0tu02074      0tu02075 0tu02076      0tu02077 0tu02078
## CSI001      0 2.345326e-05 0.000000e+00      0 0.000000e+00      0
## CSI012      0 0.000000e+00 3.449941e-05      0 1.207479e-04      0
## CSI022      0 1.075778e-04 0.000000e+00      0 2.151556e-05      0
## CSI044      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI055      0 0.000000e+00 2.151417e-05      0 0.000000e+00      0
## CSI065      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI076      0 0.000000e+00 3.179742e-04      0 0.000000e+00      0
##      0tu02079 0tu02080 0tu02081      0tu02082 0tu02083 0tu02084 0tu02085
## CSI001      0      0      0 0.000000e+00      0      0      0
## CSI012      0      0      0 0.000000e+00      0      0      0
## CSI022      0      0      0 0.000000e+00      0      0      0
## CSI044      0      0      0 0.000000e+00      0      0      0
## CSI055      0      0      0 3.657408e-04      0      0      0
## CSI065      0      0      0 0.000000e+00      0      0      0
## CSI076      0      0      0 2.890675e-05      0      0      0
##      0tu02086      0tu02087      0tu02088 0tu02089 0tu02090
## CSI001 2.345326e-05 4.690652e-05 0.000000e+00      0      0
## CSI012 3.449941e-05 0.000000e+00 0.000000e+00      0      0
## CSI022 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI055 0.000000e+00 0.000000e+00 2.151417e-05      0      0
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI076 2.601607e-04 0.000000e+00 0.000000e+00      0      0
##      0tu02091      0tu02092      0tu02093 0tu02094      0tu02095
## CSI001 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI012 0.000000e+00 1.724971e-05 0.000000e+00      0 0.000000e+00
## CSI022 0.000000e+00 2.151556e-05 0.000000e+00      0 2.151556e-05
## CSI044 9.857850e-05 0.000000e+00 1.971570e-05      0 0.000000e+00
## CSI055 0.000000e+00 6.454250e-05 0.000000e+00      0 0.000000e+00
## CSI065 1.172422e-03 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI076 2.312540e-04 0.000000e+00 0.000000e+00      0 0.000000e+00
##      0tu02096 0tu02097      0tu02098      0tu02099      0tu02100
## CSI001      0      0 0.000000e+00 0.000000e+00 2.345326e-05
## CSI012      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI022      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI065      0      0 0.000000e+00 3.782005e-05 0.000000e+00
## CSI076      0      0 0.000000e+00 2.890675e-05 0.000000e+00
##      0tu02101      0tu02102 0tu02103 0tu02104 0tu02105      0tu02106
## CSI001 2.579858e-04 2.345326e-05      0      0      0 9.381303e-05
## CSI012 5.174912e-05 0.000000e+00      0      0      0 0.000000e+00
## CSI022 3.227333e-04 0.000000e+00      0      0      0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00      0      0      0 2.151417e-05
## CSI065 0.000000e+00 0.000000e+00      0      0      0 3.782005e-05
## CSI076 0.000000e+00 1.156270e-04      0      0      0 1.445337e-04
##      0tu02107 0tu02108      0tu02109 0tu02110      0tu02111 0tu02112

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##	CSI001	0	0 1.876261e-04	0 0.0000000000	0	
##	CSI012	0	0 3.449941e-05	0 0.0000000000	0	
##	CSI022	0	0 0.000000e+00	0 0.0000000000	0	
##	CSI044	0	0 0.000000e+00	0 0.0000000000	0	
##	CSI055	0	0 0.000000e+00	0 0.0000000000	0	
##	CSI065	0	0 0.000000e+00	0 0.0000000000	0	
##	CSI076	0	0 2.890675e-05	0 0.0000000000	0	
##	0tu02113	0tu02114	0tu02115	0tu02116	0tu02117	
##	CSI001	0 0.0003752521	0.000000e+00	0.000000e+00	7.035977e-05	
##	CSI012	0 0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI022	0 0.0000000000	0.000000e+00	2.151556e-05	0.000000e+00	
##	CSI044	0 0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0 0.0000000000	2.151417e-05	0.000000e+00	0.000000e+00	
##	CSI065	0 0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	0 0.0000000000	0.000000e+00	0.000000e+00	5.781349e-05	
##	0tu02118	0tu02119	0tu02120	0tu02121	0tu02122	0tu02123
##	CSI001	0.000000e+00	0.000000e+00	0	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	0	0
##	CSI022	0.000000e+00	2.151556e-05	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0
##	CSI055	2.151417e-05	0.000000e+00	0	0	0
##	CSI065	1.891003e-04	0.000000e+00	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0
##	0tu02124	0tu02125	0tu02126	0tu02127	0tu02128	
##	CSI001	0 0.0002345326	0 0.000000e+00	0.000000e+00		
##	CSI012	0 0.0004484924	0 0.000000e+00	0.000000e+00		
##	CSI022	0 0.0000000000	0 0.000000e+00	0.000000e+00		
##	CSI044	0 0.0000000000	0 0.000000e+00	0.000000e+00		
##	CSI055	0 0.0000000000	0 8.605667e-05	0.000000e+00		
##	CSI065	0 0.0000000000	0 0.000000e+00	0.000000e+00		
##	CSI076	0 0.0000000000	0 7.226687e-04	2.890675e-05		
##	0tu02129	0tu02130	0tu02131	0tu02132	0tu02133	0tu02134
##	CSI001	0.000000e+00	0	0 0.000000e+00	0	0
##	CSI012	0.000000e+00	0	0 0.000000e+00	0	0
##	CSI022	0.000000e+00	0	0 0.000000e+00	0	0
##	CSI044	0.000000e+00	0	0 0.000000e+00	0	0
##	CSI055	0.000000e+00	0	0 1.721133e-04	0	0
##	CSI065	0.000000e+00	0	0 0.000000e+00	0	0
##	CSI076	8.672024e-05	0	0 0.000000e+00	0	0
##	0tu02135	0tu02136	0tu02137	0tu02138	0tu02139	0tu02140
##	CSI001	0	0 2.345326e-05	4.690652e-05	0 0.0000000000	
##	CSI012	0	0 0.000000e+00	1.724971e-05	0 0.0000000000	
##	CSI022	0	0 0.000000e+00	0.000000e+00	0 0.0000000000	
##	CSI044	0	0 0.000000e+00	0.000000e+00	0 0.0000000000	
##	CSI055	0	0 0.000000e+00	0.000000e+00	0 0.0000645425	
##	CSI065	0	0 0.000000e+00	0.000000e+00	0 0.0000000000	
##	CSI076	0	0 0.000000e+00	0.000000e+00	0 0.0000000000	
##	0tu02141	0tu02142	0tu02143	0tu02144	0tu02145	0tu02146
##	CSI001	0	0	0 0.000000e+00	0.000000e+00	0
##	CSI012	0	0	0 3.104947e-04	0.000000e+00	0
##	CSI022	0	0	0 2.366711e-04	0.000000e+00	0
##	CSI044	0	0	0 1.380099e-04	0.000000e+00	0
##	CSI055	0	0	0 2.151417e-05	0.000000e+00	0
##	CSI065	0	0	0 2.269203e-04	0.000000e+00	0

##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu02147	0tu02148	0tu02149	0tu02150	0tu02151	0tu02152
##	CSI001	1.876261e-04	0.000000e+00	0	0.0001172663	0	0
##	CSI012	1.724971e-05	0.000000e+00	0	0.0000000000	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0.0000000000	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0.0000000000	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0.0000000000	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0.0000000000	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0.0000000000	0	0
##		0tu02153	0tu02154	0tu02155	0tu02156	0tu02157	0tu02158
##	CSI001	9.381303e-05	0	7.035977e-05	0	0	0
##	CSI012	8.624853e-05	0	1.724971e-05	0	0	0
##	CSI022	0.000000e+00	0	2.151556e-05	0	0	0
##	CSI044	0.000000e+00	0	5.520396e-04	0	0	0
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI065	0.000000e+00	0	7.942211e-04	0	0	0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu02159	0tu02160	0tu02161	0tu02162	0tu02163	0tu02164
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	2.345326e-05
##	CSI012	0	0.000000e+00	0.000000e+00	0	0	1.034982e-04
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	2.151556e-05
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI055	0	4.302833e-05	0.000000e+00	0	0	0.000000e+00
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI076	0	4.336012e-04	0.000000e+00	0	0	0.000000e+00
##		0tu02165	0tu02166	0tu02167	0tu02168	0tu02169	0tu02170
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	8.107362e-04	0	0	0	0	0
##	CSI022	2.151556e-05	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		0tu02171	0tu02172	0tu02173	0tu02174	0tu02175	
##	CSI001	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI012	1.724971e-05	0.000000e+00	0	1.724971e-05	0.000000e+00	
##	CSI022	0.000000e+00	4.303111e-05	0	0.000000e+00	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0.000000e+00	0	6.454250e-05	0.000000e+00	
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI076	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##		0tu02176	0tu02177	0tu02178	0tu02179	0tu02180	
##	CSI001	0.0000000000	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI012	0.0000000000	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI022	0.0000000000	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI044	0.0000000000	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0.0000000000	0	0.000000e+00	0.000000e+00	2.151417e-05	
##	CSI065	0.0001512802	0	3.782005e-05	0.000000e+00	0.000000e+00	
##	CSI076	0.0000000000	0	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu02181	0tu02182	0tu02183	0tu02184	0tu02185	0tu02186
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu02188	0tu02189	0tu02190	0tu02191	0tu02192		
##	CSI001	7.035977e-05	0.0000000000		0 0.000000e+00	0.000000e+00		
##	CSI012	0.000000e+00	0.0000000000		0 0.000000e+00	0.000000e+00		
##	CSI022	6.454667e-05	0.0000000000		0 4.303111e-05	0.000000e+00		
##	CSI044	0.000000e+00	0.0000000000		0 0.000000e+00	0.000000e+00		
##	CSI055	2.151417e-05	0.0001505992		0 0.000000e+00	6.454250e-04		
##	CSI065	7.564010e-05	0.0000000000		0 0.000000e+00	0.000000e+00		
##	CSI076	0.000000e+00	0.0000000000		0 0.000000e+00	8.672024e-04		
##		0tu02193	0tu02194	0tu02195	0tu02196	0tu02197		
##	CSI001	0.000000e+00		0 0.0000000000		0 2.345326e-05		
##	CSI012	0.000000e+00		0 0.0000000000		0 0.000000e+00		
##	CSI022	0.000000e+00		0 0.0000000000		0 0.000000e+00		
##	CSI044	0.000000e+00		0 0.0000000000		0 0.000000e+00		
##	CSI055	1.290850e-04		0 0.0000000000		0 0.000000e+00		
##	CSI065	0.000000e+00		0 0.0000000000		0 0.000000e+00		
##	CSI076	1.734405e-04		0 0.0003757877		0 0.000000e+00		
##		0tu02198	0tu02199	0tu02200	0tu02201	0tu02202	0tu02203	
##	CSI001	0.000000e+00		0	1.407195e-04	0.000000e+00		0
##	CSI012	0.000000e+00		0	8.624853e-05	0.000000e+00		0
##	CSI022	0.000000e+00		0	0.000000e+00	2.151556e-05		0
##	CSI044	0.000000e+00		0	0.000000e+00	0.000000e+00		0
##	CSI055	2.151417e-05		0	0.000000e+00	2.151417e-05		0
##	CSI065	0.000000e+00		0	0.000000e+00	1.512802e-04		0
##	CSI076	2.312540e-04		0	0.000000e+00	0.000000e+00		0
##		0tu02204	0tu02205	0tu02206	0tu02207	0tu02208	0tu02209	
##	CSI001		0 0.000000e+00		0	0.000000e+00	0.000000e+00	
##	CSI012		0 1.724971e-05		0	0.000000e+00	0.000000e+00	
##	CSI022		0 0.000000e+00		0	0.000000e+00	0.000000e+00	
##	CSI044		0 0.000000e+00		0	0.000000e+00	0.000000e+00	
##	CSI055		0 2.151417e-05		0	0.000000e+00	4.302833e-05	
##	CSI065		0 0.000000e+00		0	0.000000e+00	0.000000e+00	
##	CSI076		0 0.000000e+00		0	5.781349e-05	0.000000e+00	
##		0tu02210	0tu02211	0tu02212	0tu02213	0tu02214		
##	CSI001	0.0000000000	0.0000000000		0 0.000000e+00		0	
##	CSI012	0.0000000000	0.0000000000		0 1.724971e-05		0	
##	CSI022	0.0000000000	0.0000000000		0 4.303111e-05		0	
##	CSI044	0.0000000000	0.0000000000		0 0.000000e+00		0	
##	CSI055	0.0003227125	0.001355393		0 0.000000e+00		0	
##	CSI065	0.0000000000	0.0000000000		0 0.000000e+00		0	
##	CSI076	0.0000000000	0.0000000000		0 0.000000e+00		0	
##		0tu02215	0tu02216	0tu02217	0tu02218	0tu02219		
##	CSI001	0.000000e+00		0	0.0000000000	0.000000e+00		
##	CSI012	0.000000e+00		0	0.0005002415	1.724971e-05		
##	CSI022	0.000000e+00		0	0.0000000000	0.000000e+00		
##	CSI044	0.000000e+00		0	0.0000000000	0.000000e+00		
##	CSI055	1.290850e-04		0	0.0000000000	0.000000e+00		
##	CSI065	1.891003e-04		0	0.0000000000	0.000000e+00		
##	CSI076	1.156270e-04		0	0.0000000000	2.890675e-05		
##		0tu02220	0tu02221	0tu02222	0tu02223	0tu02224	0tu02225	
##	CSI001	7.035977e-05		0		0 0.000000e+00		0
##	CSI012	1.724971e-05		0		0 3.449941e-05		0

##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI055	0.000000e+00	0	0	0	8.605667e-05	0
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0
##		0tu02226	0tu02227	0tu02228	0tu02229	0tu02230	
##	CSI001	0	4.690652e-05	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI012	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI022	0	2.366711e-04	2.151556e-05	0.000000e+00	0.000000e+00	
##	CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0	0.000000e+00	0.000000e+00	4.302833e-05	0.000000e+00	
##	CSI065	0	0.000000e+00	0.000000e+00	1.134602e-04	0.000000e+00	
##	CSI076	0	0.000000e+00	0.000000e+00	2.890675e-05	8.672024e-05	
##		0tu02231	0tu02232	0tu02233	0tu02234	0tu02235	0tu02236
##	CSI001	0.000000e+00	7.035977e-05	0.000000e+00	0	0	0
##	CSI012	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI022	4.303111e-05	0.000000e+00	0.000000e+00	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI055	0.000000e+00	6.454250e-05	6.454250e-05	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	2.647404e-04	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##		0tu02237	0tu02238	0tu02239	0tu02240	0tu02241	0tu02242
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu02243	0tu02244	0tu02245	0tu02246	0tu02247	0tu02248
##	CSI001	0.0000000000	0	0	0.0000000000	0	0.000000e+00
##	CSI012	0.0000000000	0	0	0.0000000000	0	1.724971e-05
##	CSI022	0.0000000000	0	0	0.0000000000	0	0.000000e+00
##	CSI044	0.0000000000	0	0	0.0000000000	0	0.000000e+00
##	CSI055	0.0000000000	0	0	0.0001721133	0	0.000000e+00
##	CSI065	0.0000000000	0	0	0.0000000000	0	0.000000e+00
##	CSI076	0.0000000000	0	0	0.0000000000	0	0.000000e+00
##		0tu02249	0tu02250	0tu02251	0tu02252	0tu02253	0tu02254
##	CSI001	4.690652e-05	0	0	0.000000e+00	0.000000e+00	0
##	CSI012	8.624853e-05	0	0	0.000000e+00	0.000000e+00	0
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI055	0.000000e+00	0	0	2.151417e-05	0.000000e+00	0
##	CSI065	0.000000e+00	0	0	7.564010e-05	0.000000e+00	0
##	CSI076	0.000000e+00	0	0	5.781349e-05	0.000000e+00	0
##		0tu02255	0tu02256	0tu02257	0tu02258	0tu02259	
##	CSI001	2.345326e-05	0	0	4.690652e-05	7.035977e-05	
##	CSI012	3.794935e-04	0	0	0.000000e+00	8.624853e-05	
##	CSI022	1.075778e-04	0	0	0.000000e+00	6.454667e-05	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0.000000e+00	3.782005e-05	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##		0tu02260	0tu02261	0tu02262	0tu02263	0tu02264	

##	CSI001	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##	CSI012	1.724971e-04	0.000000e+00	0	0.000000e+00	0
##	CSI022	6.454667e-05	0.000000e+00	0	0.000000e+00	0
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##	CSI055	0.000000e+00	8.605667e-05	0	2.796842e-04	0
##	CSI065	0.000000e+00	0.000000e+00	0	3.782005e-05	0
##	CSI076	0.000000e+00	5.781349e-04	0	0.000000e+00	0
##		0tu02265	0tu02266	0tu02267	0tu02268	0tu02269
##	CSI001	2.345326e-05	0.0000000000	0.000000e+00	0.0000000000	0
##	CSI012	0.000000e+00	0.0000000000	0.000000e+00	0.0000000000	0
##	CSI022	5.809200e-04	0.0000000000	0.000000e+00	0.0000000000	0
##	CSI044	0.000000e+00	0.0000000000	0.000000e+00	0.0000000000	0
##	CSI055	0.000000e+00	0.0003442267	0.000000e+00	0.0000000000	0
##	CSI065	0.000000e+00	0.0000000000	0.000000e+00	0.0000000000	0
##	CSI076	5.781349e-05	0.0000000000	2.890675e-05	0.0000000000	0
##		0tu02270	0tu02271	0tu02272	0tu02273	0tu02274
##	CSI001	0	5.628782e-04	0.000000e+00	0	0
##	CSI012	0	6.899883e-05	0.000000e+00	0	0
##	CSI022	0	2.151556e-05	0.000000e+00	0	0
##	CSI044	0	0.000000e+00	0.000000e+00	0	0
##	CSI055	0	0.000000e+00	2.151417e-05	0	0
##	CSI065	0	0.000000e+00	0.000000e+00	0	0
##	CSI076	0	5.781349e-05	0.000000e+00	0	0
##		0tu02276	0tu02277	0tu02278	0tu02279	0tu02280
##	CSI001	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	6.45425e-05
##	CSI065	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0.000000e+00
##		0tu02282	0tu02283	0tu02284	0tu02285	0tu02286
##	CSI001	0.000000e+00	0.000000e+00	7.035977e-05	0	2.345326e-05
##	CSI012	0.000000e+00	1.724971e-05	0.000000e+00	0	0.000000e+00
##	CSI022	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI055	1.936275e-04	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI065	3.782005e-05	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00
##		0tu02287	0tu02288	0tu02289	0tu02290	0tu02291
##	CSI001	0	0	0.000000e+00	0	0
##	CSI012	0	0	1.724971e-05	0	0
##	CSI022	0	0	4.303111e-05	0	0
##	CSI044	0	0	0.000000e+00	0	0
##	CSI055	0	0	2.151417e-04	0	0
##	CSI065	0	0	0.000000e+00	0	0
##	CSI076	0	0	0.000000e+00	0	0
##		0tu02293	0tu02294	0tu02295	0tu02296	0tu02297
##	CSI001	2.110793e-04	0	0	0.000000e+00	0
##	CSI012	5.174912e-05	0	0	0.000000e+00	0
##	CSI022	2.151556e-05	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0
##	CSI055	0.000000e+00	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	0	0	0.000000e+00	0

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## CSI076 0.000000e+00      0      0 5.781349e-05      0      0
##      0tu02299 0tu02300      0tu02301      0tu02302      0tu02303 0tu02304
## CSI001      0      0 0.0000000000 2.345326e-05 0.0000000000      0
## CSI012      0      0 0.0000000000 1.552474e-04 0.0000000000      0
## CSI022      0      0 0.0000000000 1.075778e-04 0.0000000000      0
## CSI044      0      0 0.0000000000 0.000000e+00 0.0000000000      0
## CSI055      0      0 0.0000000000 0.000000e+00 0.0001936275      0
## CSI065      0      0 0.0000000000 0.000000e+00 0.0000000000      0
## CSI076      0      0 0.0005492282 0.000000e+00 0.0000000000      0
##      0tu02305      0tu02306 0tu02307      0tu02308 0tu02309
## CSI001 0.0000000000 4.690652e-05      0 7.035977e-05      0
## CSI012 0.0000000000 3.449941e-05      0 0.000000e+00      0
## CSI022 0.0000000000 0.000000e+00      0 6.454667e-05      0
## CSI044 0.0000000000 0.000000e+00      0 0.000000e+00      0
## CSI055 0.0009466234 0.000000e+00      0 1.505992e-04      0
## CSI065 0.0000756401 0.000000e+00      0 6.051208e-04      0
## CSI076 0.0000000000 0.000000e+00      0 5.781349e-05      0
##      0tu02310 0tu02311 0tu02312 0tu02313      0tu02314 0tu02315
## CSI001 0.000000e+00      0      0      0 0.000000e+00      0
## CSI012 1.724971e-05      0      0      0 3.449941e-05      0
## CSI022 0.000000e+00      0      0      0 0.000000e+00      0
## CSI044 0.000000e+00      0      0      0 0.000000e+00      0
## CSI055 2.151417e-05      0      0      0 0.000000e+00      0
## CSI065 0.000000e+00      0      0      0 0.000000e+00      0
## CSI076 3.179742e-04      0      0      0 0.000000e+00      0
##      0tu02316 0tu02317      0tu02318 0tu02319      0tu02320 0tu02321
## CSI001      0      0 0.0000000000      0 0.000000e+00      0
## CSI012      0      0 0.0000000000      0 6.899883e-05      0
## CSI022      0      0 0.0000000000      0 0.000000e+00      0
## CSI044      0      0 0.0000000000      0 0.000000e+00      0
## CSI055      0      0 0.0000000000      0 2.151417e-05      0
## CSI065      0      0 0.0000000000      0 0.000000e+00      0
## CSI076      0      0 0.0000000000      0 5.781349e-05      0
##      0tu02322      0tu02323 0tu02324      0tu02325 0tu02326      0tu02327
## CSI001      0 3.987054e-04      0 4.690652e-05      0 0.000000e+00
## CSI012      0 1.724971e-05      0 5.174912e-05      0 0.000000e+00
## CSI022      0 0.000000e+00      0 2.151556e-05      0 0.000000e+00
## CSI044      0 0.000000e+00      0 0.000000e+00      0 0.000000e+00
## CSI055      0 0.000000e+00      0 0.000000e+00      0 8.175383e-04
## CSI065      0 0.000000e+00      0 0.000000e+00      0 0.000000e+00
## CSI076      0 0.000000e+00      0 0.000000e+00      0 8.672024e-05
##      0tu02328      0tu02329      0tu02330      0tu02331 0tu02332
## CSI001 2.345326e-05 0.0001641728 0.000000e+00 2.345326e-05      0
## CSI012 3.449941e-05 0.0001034982 6.899883e-05 2.587456e-04      0
## CSI022 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00      0
## CSI044 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00      0
## CSI055 0.000000e+00 0.0000000000 0.000000e+00 2.151417e-05      0
## CSI065 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00      0
## CSI076 8.382957e-04 0.0000000000 0.000000e+00 0.000000e+00      0
##      0tu02333 0tu02334      0tu02335      0tu02336      0tu02337
## CSI001      0      0 0.000000e+00 4.690652e-05 2.345326e-05
## CSI012      0      0 0.000000e+00 1.724971e-05 3.449941e-05
## CSI022      0      0 0.000000e+00 0.000000e+00 4.303111e-05
## CSI044      0      0 0.000000e+00 0.000000e+00 9.266379e-04

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## CSI055      0      0 2.151417e-05 0.000000e+00 0.000000e+00
## CSI065      0      0 0.000000e+00 0.000000e+00 5.294807e-04
## CSI076      0      0 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu02338      0tu02339      0tu02340 0tu02341      0tu02342
## CSI001 0.000000e+00 0.000000e+00 0.0000000000      0 0.000000e+00
## CSI012 0.000000e+00 0.000000e+00 0.0000000000      0 0.000000e+00
## CSI022 2.151556e-05 2.151556e-05 0.0000000000      0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00 0.0000000000      0 0.000000e+00
## CSI055 1.462963e-03 0.000000e+00 0.0006023967      0 1.290850e-03
## CSI065 0.000000e+00 0.000000e+00 0.0000000000      0 0.000000e+00
## CSI076 3.468810e-04 0.000000e+00 0.0005203214      0 0.000000e+00
##      0tu02343      0tu02344 0tu02345      0tu02346      0tu02347
## CSI001      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI012      0 0.000000e+00      0 0.000000e+00 3.449941e-05
## CSI022      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI044      0 0.000000e+00      0 9.857850e-05 0.000000e+00
## CSI055      0 4.302833e-05      0 2.151417e-05 0.000000e+00
## CSI065      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI076      0 2.890675e-05      0 0.000000e+00 0.000000e+00
##      0tu02348      0tu02349      0tu02350      0tu02351      0tu02352
## CSI001 2.345326e-05 7.035977e-05 0.000000e+00 0.000000e+00 0.000000e+00
## CSI012 1.552474e-04 4.657421e-04 1.724971e-05 0.000000e+00 0.000000e+00
## CSI022 4.303111e-05 0.000000e+00 2.151556e-05 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00 0.000000e+00 6.454250e-05 8.605667e-05
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 3.782005e-05
## CSI076 0.000000e+00 0.000000e+00 5.781349e-05 9.250159e-04 0.000000e+00
##      0tu02353 0tu02354 0tu02355 0tu02356 0tu02357      0tu02358
## CSI001 0.000000e+00      0      0      0      0 4.690652e-05
## CSI012 0.000000e+00      0      0      0      0 2.932450e-04
## CSI022 0.000000e+00      0      0      0      0 2.151556e-05
## CSI044 0.000000e+00      0      0      0      0 0.000000e+00
## CSI055 0.000000e+00      0      0      0      0 0.000000e+00
## CSI065 0.000000e+00      0      0      0      0 0.000000e+00
## CSI076 0.000000e+00      0      0      0      0 0.000000e+00
##      0tu02359      0tu02360 0tu02361      0tu02362 0tu02363 0tu02364
## CSI001      0 1.172663e-04      0 1.641728e-04      0      0
## CSI012      0 0.000000e+00      0 1.207479e-04      0      0
## CSI022      0 2.151556e-05      0 2.151556e-05      0      0
## CSI044      0 0.000000e+00      0 0.000000e+00      0      0
## CSI055      0 2.151417e-05      0 0.000000e+00      0      0
## CSI065      0 0.000000e+00      0 0.000000e+00      0      0
## CSI076      0 8.382957e-04      0 0.000000e+00      0      0
##      0tu02365      0tu02366 0tu02367 0tu02368      0tu02369 0tu02370
## CSI001 0.000000e+00 0.000000e+00      0      0 2.345326e-05      0
## CSI012 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI022 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI055 0.000000e+00 0.000000e+00      0      0 2.151417e-05      0
## CSI065 0.000000e+00 0.000000e+00      0      0 1.134602e-04      0
## CSI076 0.000000e+00 0.000000e+00      0      0 2.890675e-05      0
##      0tu02371 0tu02372      0tu02373      0tu02374 0tu02375      0tu02376
## CSI001      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI012      0      0 0.000000e+00 1.724971e-05      0 0.000000e+00

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##	CSI022	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	1.971570e-05
##	CSI055	0	0	3.657408e-04	0.000000e+00	0	4.302833e-05
##	CSI065	0	0	0.000000e+00	3.782005e-05	0	0.000000e+00
##	CSI076	0	0	5.781349e-05	0.000000e+00	0	0.000000e+00
##		0tu02377	0tu02378	0tu02379	0tu02380	0tu02381	0tu02382 0tu02383
##	CSI001	0	0	0	0	0.000000e+00	0 0
##	CSI012	0	0	0	0	5.174912e-05	0 0
##	CSI022	0	0	0	0	0.000000e+00	0 0
##	CSI044	0	0	0	0	0.000000e+00	0 0
##	CSI055	0	0	0	0	4.302833e-05	0 0
##	CSI065	0	0	0	0	0.000000e+00	0 0
##	CSI076	0	0	0	0	0.000000e+00	0 0
##		0tu02384	0tu02385	0tu02386	0tu02387	0tu02388	
##	CSI001	7.035977e-05	0.0000000000	0	0.000000e+00	0	
##	CSI012	3.449941e-05	0.0000000000	0	1.724971e-05	0	
##	CSI022	4.303111e-04	0.0000000000	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0.0000000000	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0.0002796842	0	2.151417e-05	0	
##	CSI065	0.000000e+00	0.0000000000	0	0.000000e+00	0	
##	CSI076	8.672024e-05	0.0000000000	0	0.000000e+00	0	
##		0tu02389	0tu02390	0tu02391	0tu02392	0tu02393	0tu02394
##	CSI001	0.000000e+00	0	0	0	0.0000000000	7.035977e-05
##	CSI012	0.000000e+00	0	0	0	0.0000000000	0.000000e+00
##	CSI022	0.000000e+00	0	0	0	0.0000000000	0.000000e+00
##	CSI044	0.000000e+00	0	0	0	0.0000000000	0.000000e+00
##	CSI055	4.302833e-05	0	0	0	0.0000000000	0.000000e+00
##	CSI065	3.782005e-05	0	0	0	0.0000000000	0.000000e+00
##	CSI076	0.000000e+00	0	0	0	0.0000000000	0.000000e+00
##		0tu02395	0tu02396	0tu02397	0tu02398	0tu02399	
##	CSI001	2.345326e-05	0.0002110793	0.0000000000	4.690652e-05	0	
##	CSI012	1.034982e-04	0.0000000000	0.0000000000	5.174912e-05	0	
##	CSI022	8.606222e-05	0.0000000000	0.0000000000	0.000000e+00	0	
##	CSI044	0.000000e+00	0.0000000000	0.0000000000	0.000000e+00	0	
##	CSI055	4.302833e-05	0.0000000000	0.0000645425	0.000000e+00	0	
##	CSI065	0.000000e+00	0.0000000000	0.0000000000	0.000000e+00	0	
##	CSI076	0.000000e+00	0.0000000000	0.0006359484	0.000000e+00	0	
##		0tu02400	0tu02401	0tu02402	0tu02403	0tu02404	
##	CSI001	0	2.345326e-05	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0.000000e+00	6.899883e-05	0	0.000000e+00	
##	CSI022	0	0.000000e+00	0.000000e+00	0	4.303111e-05	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0.000000e+00	6.454250e-05	0	0.000000e+00	
##	CSI065	0	7.564010e-05	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0.000000e+00	2.890675e-05	0	0.000000e+00	
##		0tu02405	0tu02406	0tu02407	0tu02408	0tu02409	
##	CSI001	7.270510e-04	0	0.000000e+00	0.000000e+00	0	
##	CSI012	3.967433e-04	0	0.000000e+00	0.000000e+00	0	
##	CSI022	2.151556e-05	0	0.000000e+00	2.151556e-05	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##	CSI055	0.000000e+00	0	6.454250e-05	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##	CSI076	2.890675e-05	0	8.672024e-05	0.000000e+00	0	
##		0tu02410	0tu02411	0tu02412	0tu02413	0tu02414	

##	CSI001	4.690652e-05	0	2.345326e-05	0	0.000000e+00
##	CSI012	0.000000e+00	0	3.449941e-05	0	5.174912e-05
##	CSI022	0.000000e+00	0	0.000000e+00	0	4.303111e-05
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI055	0.000000e+00	0	2.151417e-05	0	0.000000e+00
##	CSI065	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI076	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##		0tu02415	0tu02416	0tu02417	0tu02418	0tu02419
##	CSI001	1.172663e-04	2.345326e-05	0	0	0 0.000000e+00
##	CSI012	1.724971e-04	5.174912e-05	0	0	0 0.000000e+00
##	CSI022	8.606222e-05	8.606222e-05	0	0	0 0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00
##	CSI055	0.000000e+00	2.151417e-05	0	0	0 4.302833e-05
##	CSI065	0.000000e+00	3.782005e-05	0	0	0 0.000000e+00
##	CSI076	0.000000e+00	0.000000e+00	0	0	0 5.781349e-05
##		0tu02421	0tu02422	0tu02423	0tu02424	0tu02425
##	CSI001	0	0.000000e+00	0.0000000000	0	0 0.0000000000
##	CSI012	0	0.000000e+00	0.0000000000	0	0 0.0000000000
##	CSI022	0	2.151556e-05	0.0000000000	0	0 0.0000000000
##	CSI044	0	0.000000e+00	0.0000000000	0	0 0.0000000000
##	CSI055	0	0.000000e+00	0.0000000000	0	0 0.0000000000
##	CSI065	0	0.000000e+00	0.0000000000	0	0 0.0000000000
##	CSI076	0	0.000000e+00	0.0000000000	0	0 0.0001445337
##		0tu02427	0tu02428	0tu02429	0tu02430	0tu02431
##	CSI001	0	0	1.641728e-04	0.000000e+00	0 0.000000e+00
##	CSI012	0	0	2.242462e-04	1.724971e-05	0 3.449941e-05
##	CSI022	0	0	0.000000e+00	0.000000e+00	0 0.000000e+00
##	CSI044	0	0	0.000000e+00	0.000000e+00	0 0.000000e+00
##	CSI055	0	0	2.151417e-05	1.355393e-03	0 2.151417e-04
##	CSI065	0	0	0.000000e+00	0.000000e+00	0 0.000000e+00
##	CSI076	0	0	0.000000e+00	0.000000e+00	0 2.890675e-05
##		0tu02433	0tu02434	0tu02435	0tu02436	0tu02437
##	CSI001	0	0	0	0	1.219569e-03
##	CSI012	0	0	0	0	6.899883e-05
##	CSI022	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0.000000e+00
##		0tu02439	0tu02440	0tu02441	0tu02442	0tu02443
##	CSI001	7.035977e-05	0.000000e+00	0.0000000000	0	0.000000e+00
##	CSI012	1.724971e-05	0.000000e+00	0.0000000000	0	0.000000e+00
##	CSI022	0.000000e+00	0.000000e+00	0.0000000000	0	0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	0.0000197157	0	0.000000e+00
##	CSI055	0.000000e+00	2.151417e-05	0.0000000000	0	0.000000e+00
##	CSI065	0.000000e+00	0.000000e+00	0.0025339435	0	0.000000e+00
##	CSI076	0.000000e+00	0.000000e+00	0.0000000000	0	0.000000e+00
##		0tu02444	0tu02445	0tu02446	0tu02447	0tu02448
##	CSI001	0.000000e+00	0	0	0	0.000000e+00
##	CSI012	0.000000e+00	0	0	0	0.000000e+00
##	CSI022	0.000000e+00	0	0	0	0.000000e+00
##	CSI044	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	1.721133e-04	0	0	0	0.000000e+00
##	CSI065	0.000000e+00	0	0	0	0.000000e+00

##	CSI076	2.890675e-05	0	0	0	0.000000e+00	0
##		0tu02450	0tu02451	0tu02452	0tu02453	0tu02454	0tu02455
##	CSI001	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	6.454250e-04
##	CSI065	0	0	0	0	0	3.782005e-05
##	CSI076	0	0	0	0	0	5.781349e-05
##		0tu02456	0tu02457	0tu02458	0tu02459	0tu02460	0tu02461
##	CSI001	0.000000e+00	0	2.345326e-05	0	2.814391e-04	0
##	CSI012	1.724971e-05	0	1.724971e-05	0	1.724971e-05	0
##	CSI022	0.000000e+00	0	2.151556e-05	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI055	3.227125e-04	0	0.000000e+00	0	0.000000e+00	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI076	5.781349e-05	0	0.000000e+00	0	2.890675e-05	0
##		0tu02462	0tu02463	0tu02464	0tu02465	0tu02466	0tu02467
##	CSI001	0	0	0	9.381303e-05	0.000000e+00	0.000000e+00
##	CSI012	0	0	0	6.899883e-05	1.724971e-05	1.724971e-05
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI055	0	0	0	0.000000e+00	6.454250e-05	2.151417e-04
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI076	0	0	0	0.000000e+00	8.672024e-05	3.468810e-04
##		0tu02468	0tu02469	0tu02470	0tu02471	0tu02472	0tu02473
##	CSI001	0.000000e+00	0	0.0000000000	0.0000000000	0	0
##	CSI012	0.000000e+00	0	0.0000000000	0.0000000000	0	0
##	CSI022	0.000000e+00	0	0.0000000000	0.0000000000	0	0
##	CSI044	0.000000e+00	0	0.0000000000	0.0000000000	0	0
##	CSI055	0.000000e+00	0	0.0000000000	0.0000000000	0	0
##	CSI065	0.000000e+00	0	0.0000000000	0.0001134602	0	0
##	CSI076	0.000000e+00	0	0.0000000000	0.0000000000	0	0
##		0tu02474	0tu02475	0tu02476	0tu02477	0tu02478	0tu02479
##	CSI001	0.0000000000	0	0	0	0	0.000000e+00
##	CSI012	0.0000000000	0	0	0	0	0.000000e+00
##	CSI022	0.0000000000	0	0	0	0	0.000000e+00
##	CSI044	0.0000000000	0	0	0	0	0.000000e+00
##	CSI055	0.0000000000	0	0	0	0	0.000000e+00
##	CSI065	0.0000000000	0	0	0	0	0.000000e+00
##	CSI076	0.0000000000	0	0	0	0	0.000000e+00
##		0tu02480	0tu02481	0tu02482	0tu02483	0tu02484	0tu02485
##	CSI001	0	0	0	0	2.345326e-05	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	1.506089e-04	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	3.782005e-05	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu02486	0tu02487	0tu02488	0tu02489	0tu02490	
##	CSI001	0.000000e+00	0	0	0.0000000000	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0.0000000000	5.174912e-05	
##	CSI022	0.000000e+00	0	0	0.0000000000	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0.0000000000	0.000000e+00	

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## CSI055 0.000000e+00      0      0 0.0000000000 0.000000e+00
## CSI065 0.000000e+00      0      0 0.0000756401 0.000000e+00
## CSI076 0.000000e+00      0      0 0.0000000000 5.781349e-05
##      0tu02491 0tu02492 0tu02493      0tu02494 0tu02495 0tu02496
## CSI001 0.000000e+00      0      0 0.0000000000      0      0
## CSI012 0.000000e+00      0      0 0.0000000000      0      0
## CSI022 0.000000e+00      0      0 0.0000000000      0      0
## CSI044 0.000000e+00      0      0 0.0000000000      0      0
## CSI055 0.000000e+00      0      0 0.0000000000      0      0
## CSI065 0.000000e+00      0      0 0.0000000000      0      0
## CSI076 0.000000e+00      0      0 0.0000000000      0      0
##      0tu02497 0tu02498 0tu02499 0tu02500      0tu02501      0tu02502
## CSI001 0.000000e+00      0      0      0 0.000000e+00 1.172663e-04
## CSI012 1.724971e-05      0      0      0 0.000000e+00 6.899883e-05
## CSI022 0.000000e+00      0      0      0 0.000000e+00 4.303111e-05
## CSI044 0.000000e+00      0      0      0 0.000000e+00 1.971570e-05
## CSI055 0.000000e+00      0      0      0 2.151417e-05 0.000000e+00
## CSI065 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00      0      0      0 2.890675e-05 0.000000e+00
##      0tu02503 0tu02504      0tu02505      0tu02506      0tu02507
## CSI001 0.000000e+00      0 0.000000e+00 0.0000000000 0.000000e+00
## CSI012 0.000000e+00      0 1.724971e-05 0.0000000000 0.000000e+00
## CSI022 0.000000e+00      0 0.000000e+00 0.0000000000 0.000000e+00
## CSI044 0.000000e+00      0 0.000000e+00 0.0000000000 0.000000e+00
## CSI055 6.45425e-05      0 0.000000e+00 0.0001505992 0.000000e+00
## CSI065 0.000000e+00      0 0.000000e+00 0.0000000000 0.000000e+00
## CSI076 0.000000e+00      0 0.000000e+00 0.0000000000 8.672024e-05
##      0tu02508 0tu02509 0tu02510      0tu02511 0tu02512 0tu02513 0tu02514
## CSI001      0      0      0 1.407195e-04      0      0      0
## CSI012      0      0      0 1.724971e-05      0      0      0
## CSI022      0      0      0 7.960756e-04      0      0      0
## CSI044      0      0      0 0.000000e+00      0      0      0
## CSI055      0      0      0 0.000000e+00      0      0      0
## CSI065      0      0      0 0.000000e+00      0      0      0
## CSI076      0      0      0 0.000000e+00      0      0      0
##      0tu02515 0tu02516 0tu02517      0tu02518      0tu02519 0tu02520
## CSI001      0      0      0 0.0000000000 0.000000e+00      0
## CSI012      0      0      0 0.0001379977 1.724971e-05      0
## CSI022      0      0      0 0.0000000000 0.000000e+00      0
## CSI044      0      0      0 0.0000000000 0.000000e+00      0
## CSI055      0      0      0 0.0000000000 2.151417e-05      0
## CSI065      0      0      0 0.0000000000 0.000000e+00      0
## CSI076      0      0      0 0.0000000000 0.000000e+00      0
##      0tu02521 0tu02522 0tu02523      0tu02524      0tu02525 0tu02526
## CSI001 0.000000e+00      0      0 0.000000e+00 1.407195e-04      0
## CSI012 1.621472e-03      0      0 0.000000e+00 2.069965e-04      0
## CSI022 0.000000e+00      0      0 0.000000e+00 4.303111e-05      0
## CSI044 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI055 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI065 3.782005e-05      0      0 0.000000e+00 0.000000e+00      0
## CSI076 0.000000e+00      0      0 1.647685e-03 0.000000e+00      0
##      0tu02527      0tu02528 0tu02529 0tu02530      0tu02531 0tu02532
## CSI001      0 1.008490e-03      0      0 0.0000000000      0
## CSI012      0 3.104947e-04      0      0 0.0000000000      0

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##	CSI022	0	0.000000e+00	0	0	0.000000000	0
##	CSI044	0	0.000000e+00	0	0	0.000000000	0
##	CSI055	0	0.000000e+00	0	0	0.000129085	0
##	CSI065	0	0.000000e+00	0	0	0.000000000	0
##	CSI076	0	0.000000e+00	0	0	0.000000000	0
##		0tu02533	0tu02534	0tu02535	0tu02536	0tu02537	
##	CSI001	0.000000e+00	0	0	2.345326e-05	0.000000e+00	
##	CSI012	0.000000e+00	0	0	2.414959e-04	1.724971e-05	
##	CSI022	0.000000e+00	0	0	1.075778e-03	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI055	1.290850e-04	0	0	0.000000e+00	2.151417e-05	
##	CSI065	0.000000e+00	0	0	0.000000e+00	1.891003e-04	
##	CSI076	1.734405e-04	0	0	0.000000e+00	0.000000e+00	
##		0tu02538	0tu02539	0tu02540	0tu02541	0tu02542	
##	CSI001	0.000000e+00	0.000000e+00	0	0.000000000	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0.000000000	0	
##	CSI022	2.151556e-05	0.000000e+00	0	0.000000000	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000000	0	
##	CSI055	0.000000e+00	2.151417e-05	0	0.0008605667	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000000	0	
##	CSI076	0.000000e+00	0.000000e+00	0	0.000000000	0	
##		0tu02543	0tu02544	0tu02545	0tu02546	0tu02547	
##	CSI001	0.000000e+00	2.345326e-05	0.000000e+00	0	0	
##	CSI012	0.000000e+00	1.724971e-05	0.000000e+00	0	0	
##	CSI022	4.303111e-05	0.000000e+00	6.454667e-05	0	0	
##	CSI044	1.182942e-04	0.000000e+00	0.000000e+00	0	0	
##	CSI055	0.000000e+00	1.721133e-04	4.302833e-05	0	0	
##	CSI065	3.782005e-05	0.000000e+00	0.000000e+00	0	0	
##	CSI076	0.000000e+00	1.445337e-04	0.000000e+00	0	0	
##		0tu02548	0tu02549	0tu02550	0tu02551	0tu02552	0tu02553
##	CSI001	0.000000e+00	0	0	0.0002110793	0	2.345326e-05
##	CSI012	1.724971e-05	0	0	0.0002414959	0	3.104947e-04
##	CSI022	0.000000e+00	0	0	0.000000000	0	6.454667e-05
##	CSI044	0.000000e+00	0	0	0.000000000	0	0.000000e+00
##	CSI055	4.302833e-05	0	0	0.000000000	0	0.000000e+00
##	CSI065	0.000000e+00	0	0	0.000000000	0	0.000000e+00
##	CSI076	0.000000e+00	0	0	0.000000000	0	0.000000e+00
##		0tu02554	0tu02555	0tu02556	0tu02557	0tu02558	0tu02559
##	CSI001	2.345326e-05	0	0	0	0	7.035977e-05
##	CSI012	5.174912e-05	0	0	0	0	1.552474e-04
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI055	2.151417e-04	0	0	0	0	0.000000e+00
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI076	1.156270e-04	0	0	0	0	0.000000e+00
##		0tu02560	0tu02561	0tu02562	0tu02563	0tu02564	0tu02565
##	CSI001	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI012	0.000000e+00	3.449941e-05	0.000000e+00	0	0	0
##	CSI022	0.000000e+00	2.151556e-05	0.000000e+00	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI055	8.605667e-05	0.000000e+00	0.000000e+00	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI076	5.781349e-05	0.000000e+00	2.890675e-05	0	0	0
##		0tu02566	0tu02567	0tu02568	0tu02569	0tu02570	0tu02571

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## CSI001 0.000000e+00      0      0 0.000000e+00 9.381303e-05      0
## CSI012 1.724971e-05      0      0 0.000000e+00 1.897468e-04      0
## CSI022 0.000000e+00      0      0 0.000000e+00 6.454667e-05      0
## CSI044 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI055 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI065 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI076 0.000000e+00      0      0 2.890675e-05 0.000000e+00      0
##      0tu02572 0tu02573      0tu02574 0tu02575 0tu02576      0tu02577
## CSI001 7.035977e-05      0 9.381303e-05      0      0 4.690652e-05
## CSI012 0.000000e+00      0 1.207479e-04      0      0 0.000000e+00
## CSI022 0.000000e+00      0 6.454667e-05      0      0 6.454667e-05
## CSI044 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI055 2.151417e-05      0 0.000000e+00      0      0 0.000000e+00
## CSI065 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI076 8.672024e-05      0 0.000000e+00      0      0 0.000000e+00
##      0tu02578 0tu02579 0tu02580 0tu02581      0tu02582 0tu02583
## CSI001 4.690652e-05      0      0      0 0.0000000000      0
## CSI012 0.000000e+00      0      0      0 0.0000000000      0
## CSI022 4.303111e-05      0      0      0 0.0000000000      0
## CSI044 0.000000e+00      0      0      0 0.0000000000      0
## CSI055 0.000000e+00      0      0      0 0.0001721133      0
## CSI065 0.000000e+00      0      0      0 0.0000000000      0
## CSI076 0.000000e+00      0      0      0 0.0000000000      0
##      0tu02584      0tu02585 0tu02586 0tu02587      0tu02588 0tu02589
## CSI001 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI012 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI022 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI055 0.000000e+00 0.000000e+00      0      0 2.151417e-05      0
## CSI065 3.782005e-05 0.000000e+00      0      0 0.000000e+00      0
## CSI076 0.000000e+00 5.781349e-05      0      0 0.000000e+00      0
##      0tu02590      0tu02591 0tu02592      0tu02593 0tu02594      0tu02595
## CSI001      0 0.0001407195      0 2.345326e-05      0 0.000000e+00
## CSI012      0 0.0000000000      0 0.000000e+00      0 0.000000e+00
## CSI022      0 0.0000000000      0 0.000000e+00      0 4.087956e-04
## CSI044      0 0.0000000000      0 0.000000e+00      0 0.000000e+00
## CSI055      0 0.0000000000      0 0.000000e+00      0 0.000000e+00
## CSI065      0 0.0000000000      0 0.000000e+00      0 0.000000e+00
## CSI076      0 0.0000000000      0 0.000000e+00      0 0.000000e+00
##      0tu02596      0tu02597 0tu02598 0tu02599 0tu02600      0tu02601
## CSI001 0.0000000000 0.0000000000      0      0      0 0.000000e+00
## CSI012 0.0000000000 0.0007589871      0      0      0 1.724971e-05
## CSI022 0.0000000000 0.0000000000      0      0      0 0.000000e+00
## CSI044 0.0000000000 0.0000000000      0      0      0 0.000000e+00
## CSI055 0.0003011983 0.0000000000      0      0      0 0.000000e+00
## CSI065 0.0000000000 0.0000000000      0      0      0 0.000000e+00
## CSI076 0.0000000000 0.0000000000      0      0      0 0.000000e+00
##      0tu02602 0tu02603      0tu02604 0tu02605 0tu02606 0tu02607
## CSI001 2.345326e-05      0 0.0000000000      0      0      0
## CSI012 0.000000e+00      0 0.0000000000      0      0      0
## CSI022 0.000000e+00      0 0.0000000000      0      0      0
## CSI044 0.000000e+00      0 0.0000000000      0      0      0
## CSI055 0.000000e+00      0 0.0000000000      0      0      0
## CSI065 1.512802e-04      0 0.0002647404      0      0      0

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##	CSI076	2.023472e-04	0	0.0000000000	0	0	0
##		0tu02608	0tu02609	0tu02610	0tu02611	0tu02612	0tu02613
##	CSI001	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI012	0.000000e+00	0	3.449941e-05	0.000000e+00	0	0
##	CSI022	0.000000e+00	0	2.151556e-05	0.000000e+00	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI055	3.011983e-04	0	0.000000e+00	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI076	8.672024e-05	0	1.214083e-03	0.000000e+00	0	0
##		0tu02614	0tu02615	0tu02616	0tu02617	0tu02618	0tu02619
##	CSI001	0	1.407195e-04	0.0001172663	0	4.690652e-05	0
##	CSI012	0	1.552474e-04	0.0000000000	0	1.724971e-05	0
##	CSI022	0	8.606222e-05	0.0000000000	0	0.000000e+00	0
##	CSI044	0	0.000000e+00	0.0000000000	0	0.000000e+00	0
##	CSI055	0	0.000000e+00	0.0000000000	0	0.000000e+00	0
##	CSI065	0	0.000000e+00	0.0000000000	0	0.000000e+00	0
##	CSI076	0	0.000000e+00	0.0000000000	0	2.890675e-05	0
##		0tu02620	0tu02621	0tu02622	0tu02623	0tu02624	0tu02625
##	CSI001	0	0	0	0.000000e+00	4.690652e-05	0
##	CSI012	0	0	0	0.000000e+00	3.449941e-05	0
##	CSI022	0	0	0	0.000000e+00	3.872800e-04	0
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI055	0	0	0	2.151417e-04	0.000000e+00	0
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI076	0	0	0	7.226687e-04	0.000000e+00	0
##		0tu02626	0tu02627	0tu02628	0tu02629	0tu02630	0tu02631
##	CSI001	0	0.000000e+00	0	0	7.035977e-05	0.000000e+00
##	CSI012	0	0.000000e+00	0	0	1.034982e-04	8.624853e-05
##	CSI022	0	0.000000e+00	0	0	6.454667e-05	0.000000e+00
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI055	0	2.151417e-05	0	0	2.151417e-05	0.000000e+00
##	CSI065	0	0.000000e+00	0	0	3.782005e-05	0.000000e+00
##	CSI076	0	5.781349e-05	0	0	3.179742e-04	0.000000e+00
##		0tu02632	0tu02633	0tu02634	0tu02635	0tu02636	0tu02637
##	CSI001	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	1.724971e-05	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0
##		0tu02639	0tu02640	0tu02641	0tu02642	0tu02643	0tu02644
##	CSI001	0.000000e+00	0	0	0	0	2.345326e-05
##	CSI012	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI044	2.957355e-04	0	0	0	0	0.000000e+00
##	CSI055	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI076	2.601607e-04	0	0	0	0	0.000000e+00
##		0tu02645	0tu02646	0tu02647	0tu02648	0tu02649	0tu02650
##	CSI001	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI022	0.000000e+00	4.303111e-05	0	3.012178e-04	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0

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## CSI055 0.000000e+00 0.000000e+00      0 2.151417e-05      0      0
## CSI065 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI076 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
##      0tu02651      0tu02652 0tu02653 0tu02654 0tu02655 0tu02656
## CSI001 4.690652e-05 3.987054e-04      0      0      0      0
## CSI012 1.552474e-04 0.000000e+00      0      0      0      0
## CSI022 0.000000e+00 0.000000e+00      0      0      0      0
## CSI044 0.000000e+00 0.000000e+00      0      0      0      0
## CSI055 0.000000e+00 0.000000e+00      0      0      0      0
## CSI065 0.000000e+00 0.000000e+00      0      0      0      0
## CSI076 0.000000e+00 0.000000e+00      0      0      0      0
##      0tu02657 0tu02658 0tu02659 0tu02660 0tu02661      0tu02662
## CSI001      0      0      0      0      0 0.000000e+00
## CSI012      0      0      0      0      0 0.000000e+00
## CSI022      0      0      0      0      0 8.606222e-05
## CSI044      0      0      0      0      0 0.000000e+00
## CSI055      0      0      0      0      0 0.000000e+00
## CSI065      0      0      0      0      0 1.134602e-04
## CSI076      0      0      0      0      0 0.000000e+00
##      0tu02663 0tu02664      0tu02665      0tu02666      0tu02667
## CSI001 0.000000e+00      0 0.000000e+00 0.000000e+00 0.0000000000
## CSI012 0.000000e+00      0 0.000000e+00 0.000000e+00 0.0000000000
## CSI022 0.000000e+00      0 0.000000e+00 0.000000e+00 0.0000000000
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00 0.0000000000
## CSI055 0.000000e+00      0 1.290850e-04 0.000000e+00 0.0001075708
## CSI065 0.000000e+00      0 0.000000e+00 0.000000e+00 0.0000000000
## CSI076 2.890675e-05      0 5.781349e-05 0.000000e+00 0.0000000000
##      0tu02668 0tu02669      0tu02670 0tu02671 0tu02672 0tu02673
## CSI001      0      0 0.000000e+00      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0
## CSI055      0      0 2.151417e-05      0      0      0
## CSI065      0      0 3.403805e-04      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0
##      0tu02674 0tu02675      0tu02676      0tu02677      0tu02678
## CSI001 9.381303e-05      0 2.345326e-05 0.000000e+00 2.345326e-05
## CSI012 1.724971e-05      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI022 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00      0 0.000000e+00 1.505992e-04 0.000000e+00
## CSI065 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00      0 0.000000e+00 8.672024e-05 0.000000e+00
##      0tu02679 0tu02680 0tu02681      0tu02682      0tu02683
## CSI001 4.690652e-05      0      0 2.345326e-05 0.001993527
## CSI012 3.449941e-05      0      0 0.000000e+00 0.0000000000
## CSI022 0.000000e+00      0      0 0.000000e+00 0.0000000000
## CSI044 0.000000e+00      0      0 0.000000e+00 0.0000000000
## CSI055 8.605667e-05      0      0 2.796842e-04 0.0000000000
## CSI065 0.000000e+00      0      0 0.000000e+00 0.0000000000
## CSI076 3.179742e-04      0      0 0.000000e+00 0.0000000000
##      0tu02684 0tu02685 0tu02686      0tu02687 0tu02688 0tu02689
## CSI001 0.000000e+00      0      0 0.000000e+00      0      0
## CSI012 0.000000e+00      0      0 0.000000e+00      0      0

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##	CSI022	0.000000e+00	0	0	4.303111e-05	0	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu02690	0tu02691	0tu02692	0tu02693	0tu02694	0tu02695
##	CSI001	0	0	0.000000e+00	9.381303e-05	0.000000e+00	0
##	CSI012	0	0	0.000000e+00	1.034982e-04	0.000000e+00	0
##	CSI022	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0
##	CSI044	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0
##	CSI055	0	0	0.000000e+00	0.000000e+00	1.721133e-04	0
##	CSI065	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0
##	CSI076	0	0	0.000000e+00	0.000000e+00	2.890675e-05	0
##		0tu02696	0tu02697	0tu02698	0tu02699	0tu02700	0tu02701
##	CSI001	0	4.690652e-05	0	0.000000e+00	0.0000000000	0
##	CSI012	0	1.724971e-05	0	1.724971e-05	0.0000000000	0
##	CSI022	0	2.151556e-05	0	0.000000e+00	0.0002151556	0
##	CSI044	0	0.000000e+00	0	5.914710e-05	0.0000000000	0
##	CSI055	0	0.000000e+00	0	1.290850e-04	0.0000000000	0
##	CSI065	0	0.000000e+00	0	0.000000e+00	0.0000000000	0
##	CSI076	0	0.000000e+00	0	0.000000e+00	0.0000000000	0
##		0tu02702	0tu02703	0tu02704	0tu02705	0tu02706	0tu02707
##	CSI001	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI012	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI022	0	0	2.151556e-05	0	0	0.000000e+00
##	CSI044	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI055	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI065	0	0	0.000000e+00	0	0	3.782005e-05
##	CSI076	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu02708	0tu02709	0tu02710	0tu02711	0tu02712	
##	CSI001	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI012	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI022	8.606222e-05	0.000000e+00	0	6.454667e-05	2.151556e-05	
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI065	0.000000e+00	1.512802e-04	0	0.000000e+00	0.000000e+00	
##	CSI076	0.000000e+00	8.672024e-05	0	0.000000e+00	0.000000e+00	
##		0tu02713	0tu02714	0tu02715	0tu02716	0tu02717	0tu02718
##	CSI001	7.035977e-05	0.0010553966	0	0	0	0.0000000000
##	CSI012	1.724971e-05	0.0001552474	0	0	0	0.0000000000
##	CSI022	0.000000e+00	0.0000000000	0	0	0	0.0000000000
##	CSI044	0.000000e+00	0.0000000000	0	0	0	0.0000000000
##	CSI055	0.000000e+00	0.0000000000	0	0	0	0.0002366558
##	CSI065	0.000000e+00	0.0000000000	0	0	0	0.0000000000
##	CSI076	2.890675e-05	0.0000000000	0	0	0	0.0000000000
##		0tu02719	0tu02720	0tu02721	0tu02722	0tu02723	0tu02724
##	CSI001	0	0.0000000000	0.00000e+00	0	0	0
##	CSI012	0	0.0005519906	0.00000e+00	0	0	0
##	CSI022	0	0.0000000000	0.00000e+00	0	0	0
##	CSI044	0	0.0000000000	1.97157e-05	0	0	0
##	CSI055	0	0.0000000000	0.00000e+00	0	0	0
##	CSI065	0	0.0000000000	0.00000e+00	0	0	0
##	CSI076	0	0.0000000000	0.00000e+00	0	0	0
##		0tu02725	0tu02726	0tu02727	0tu02728	0tu02729	

##	CSI001	0	0.000000e+00	5.863314e-04	0.000000e+00	0.000000e+00
##	CSI012	0	5.174912e-05	5.174912e-05	0.000000e+00	0.000000e+00
##	CSI022	0	6.454667e-05	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI055	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI065	0	3.782005e-05	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI076	0	0.000000e+00	0.000000e+00	0.000000e+00	2.890675e-05
##		0tu02730	0tu02731	0tu02732	0tu02733	0tu02734
##	CSI001	0.000000e+00	0.000000e+00	0.0000000000	1.172663e-04	0
##	CSI012	0.000000e+00	8.624853e-05	0.0000000000	0.000000e+00	0
##	CSI022	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00	0
##	CSI044	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00	0
##	CSI055	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00	0
##	CSI065	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00	0
##	CSI076	2.023472e-04	0.000000e+00	0.0000000000	0.000000e+00	0
##		0tu02735	0tu02736	0tu02737	0tu02738	0tu02739
##	CSI001	0.000000e+00	0	0.000000e+00	0	0 0.000000e+00
##	CSI012	1.138481e-03	0	0.000000e+00	0	0 8.624853e-05
##	CSI022	0.000000e+00	0	0.000000e+00	0	0 0.000000e+00
##	CSI044	0.000000e+00	0	0.000000e+00	0	0 0.000000e+00
##	CSI055	0.000000e+00	0	2.151417e-04	0	0 0.000000e+00
##	CSI065	0.000000e+00	0	0.000000e+00	0	0 0.000000e+00
##	CSI076	0.000000e+00	0	1.445337e-04	0	0 0.000000e+00
##		0tu02741	0tu02742	0tu02743	0tu02744	0tu02745
##	CSI001	0	0	0 0.000000e+00	0.000000e+00	0
##	CSI012	0	0	0 0.000000e+00	0.000000e+00	0
##	CSI022	0	0	0 0.000000e+00	0.000000e+00	0
##	CSI044	0	0	0 0.000000e+00	0.000000e+00	0
##	CSI055	0	0	0 0.000000e+00	8.605667e-05	0
##	CSI065	0	0	0 0.000000e+00	0.000000e+00	0
##	CSI076	0	0	0 0.000000e+00	0.000000e+00	0
##		0tu02747	0tu02748	0tu02749	0tu02750	0tu02751
##	CSI001	0	0	2.345326e-05	0.000000e+00	0.000000e+00
##	CSI012	0	0	3.449941e-05	0.000000e+00	3.449941e-05
##	CSI022	0	0	0.000000e+00	2.151556e-05	1.075778e-04
##	CSI044	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI055	0	0	6.454250e-05	0.000000e+00	0.000000e+00
##	CSI065	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI076	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##		0tu02752	0tu02753	0tu02754	0tu02755	0tu02756
##	CSI001	0.0000000000	0	4.690652e-05	2.345326e-05	0.0000000000
##	CSI012	0.0000000000	0	3.449941e-05	3.449941e-05	0.0000000000
##	CSI022	0.0001290933	0	0.000000e+00	0.000000e+00	0.0000000000
##	CSI044	0.0000000000	0	0.000000e+00	0.000000e+00	0.0000000000
##	CSI055	0.0000000000	0	0.000000e+00	0.000000e+00	0.0000000000
##	CSI065	0.0000000000	0	0.000000e+00	0.000000e+00	0.0009076813
##	CSI076	0.0000000000	0	0.000000e+00	0.000000e+00	0.0000000000
##		0tu02757	0tu02758	0tu02759	0tu02760	0tu02761
##	CSI001	0.0000000000	7.035977e-05	0.000000e+00	0	0
##	CSI012	0.0000000000	3.449941e-05	0.000000e+00	0	0
##	CSI022	0.0000000000	4.303111e-05	0.000000e+00	0	0
##	CSI044	0.0000000000	0.000000e+00	0.000000e+00	0	0
##	CSI055	0.0000000000	0.000000e+00	1.075708e-04	0	0
##	CSI065	0.0001134602	0.000000e+00	0.000000e+00	0	0

```

## CSI076 0.0000000000 0.000000e+00 0.000000e+00 0 0 0
## 0tu02763 0tu02764 0tu02765 0tu02766 0tu02767 0tu02768 0tu02769
## CSI001 0 0 0 0 0 0 0
## CSI012 0 0 0 0 0 0 0
## CSI022 0 0 0 0 0 0 0
## CSI044 0 0 0 0 0 0 0
## CSI055 0 0 0 0 0 0 0
## CSI065 0 0 0 0 0 0 0
## CSI076 0 0 0 0 0 0 0
## 0tu02770 0tu02771 0tu02772 0tu02773 0tu02774 0tu02775
## CSI001 0.0000000000 2.345326e-05 0 9.381303e-05 0 0
## CSI012 0.0000000000 0.000000e+00 0 2.587456e-04 0 0
## CSI022 0.0000000000 0.000000e+00 0 0.000000e+00 0 0
## CSI044 0.0000000000 0.000000e+00 0 0.000000e+00 0 0
## CSI055 0.0000000000 0.000000e+00 0 0.000000e+00 0 0
## CSI065 0.0000000000 0.000000e+00 0 0.000000e+00 0 0
## CSI076 0.0000000000 2.890675e-05 0 5.781349e-05 0 0
## 0tu02776 0tu02777 0tu02778 0tu02779 0tu02780 0tu02781
## CSI001 0 2.345326e-05 0 0.000000e+00 2.110793e-04 0
## CSI012 0 0.000000e+00 0 0.000000e+00 0.000000e+00 0
## CSI022 0 0.000000e+00 0 0.000000e+00 0.000000e+00 0
## CSI044 0 0.000000e+00 0 0.000000e+00 0.000000e+00 0
## CSI055 0 0.000000e+00 0 2.151417e-05 1.075708e-04 0
## CSI065 0 0.000000e+00 0 9.833214e-04 0.000000e+00 0
## CSI076 0 0.000000e+00 0 0.000000e+00 8.672024e-05 0
## 0tu02782 0tu02783 0tu02784 0tu02785 0tu02786
## CSI001 0.000000e+00 0.0000000000 0 2.345326e-05 0.000000e+00
## CSI012 0.000000e+00 0.0000000000 0 0.000000e+00 0.000000e+00
## CSI022 0.000000e+00 0.0000000000 0 0.000000e+00 4.303111e-05
## CSI044 0.000000e+00 0.0000000000 0 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00 0.0001721133 0 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00 0.0000000000 0 0.000000e+00 0.000000e+00
## CSI076 2.890675e-05 0.0000000000 0 0.000000e+00 0.000000e+00
## 0tu02787 0tu02788 0tu02789 0tu02790 0tu02791 0tu02792
## CSI001 0 0.000000e+00 4.690652e-05 0.000000e+00 0 0
## CSI012 0 0.000000e+00 1.724971e-05 0.000000e+00 0 0
## CSI022 0 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI044 0 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI055 0 2.151417e-05 0.000000e+00 0.000000e+00 0 0
## CSI065 0 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI076 0 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## 0tu02793 0tu02794 0tu02795 0tu02796 0tu02797 0tu02798
## CSI001 0.000000e+00 0 0 0 0.000000e+00 0
## CSI012 0.000000e+00 0 0 0 0.000000e+00 0
## CSI022 0.000000e+00 0 0 0 0.000000e+00 0
## CSI044 0.000000e+00 0 0 0 0.000000e+00 0
## CSI055 1.721133e-04 0 0 0 0.000000e+00 0
## CSI065 9.076813e-04 0 0 0 3.782005e-04 0
## CSI076 8.672024e-05 0 0 0 0.000000e+00 0
## 0tu02799 0tu02800 0tu02801 0tu02802 0tu02803 0tu02804
## CSI001 2.345326e-05 0 0 0 0 0.000000e+00
## CSI012 5.174912e-05 0 0 0 0 1.724971e-05
## CSI022 0.000000e+00 0 0 0 0 0.000000e+00
## CSI044 0.000000e+00 0 0 0 0 0.000000e+00

```

##	CSI055	0.000000e+00	0	0	0	0	1.936275e-04
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI076	0.000000e+00	0	0	0	0	8.672024e-05
##		0tu02805	0tu02806	0tu02807	0tu02808	0tu02809	0tu02810
##	CSI001	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI012	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI022	0	0	2.151556e-05	0	0	0.000000e+00
##	CSI044	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI055	0	0	0.000000e+00	0	0	2.151417e-05
##	CSI065	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI076	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu02811	0tu02812	0tu02813	0tu02814	0tu02815	
##	CSI001	2.345326e-05	0.000000e+00	7.035977e-05	0	0.000000e+00	
##	CSI012	0.000000e+00	0.000000e+00	1.724971e-05	0	0.000000e+00	
##	CSI022	0.000000e+00	0.000000e+00	2.151556e-04	0	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI055	0.000000e+00	4.302833e-05	0.000000e+00	0	0.000000e+00	
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00	
##		0tu02816	0tu02817	0tu02818	0tu02819	0tu02820	0tu02821
##	CSI001	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	1.724971e-05	0	0	0
##	CSI022	0	0	1.075778e-04	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0
##		0tu02823	0tu02824	0tu02825	0tu02826	0tu02827	0tu02828
##	CSI001	0	2.345326e-05	0	0	0	2.345326e-05
##	CSI012	0	0.000000e+00	0	0	0	1.379977e-04
##	CSI022	0	0.000000e+00	0	0	0	3.442489e-04
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI076	0	0.000000e+00	0	0	0	0.000000e+00
##		0tu02829	0tu02830	0tu02831	0tu02832	0tu02833	0tu02834
##	CSI001	0	0.0000000000	0	0	0	0.000000e+00
##	CSI012	0	0.0000000000	0	0	0	1.724971e-05
##	CSI022	0	0.0000000000	0	0	0	0.000000e+00
##	CSI044	0	0.0000000000	0	0	0	0.000000e+00
##	CSI055	0	0.0000000000	0	0	0	4.302833e-05
##	CSI065	0	0.0000000000	0	0	0	0.000000e+00
##	CSI076	0	0.0000000000	0	0	0	0.000000e+00
##		0tu02835	0tu02836	0tu02837	0tu02838	0tu02839	0tu02840
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI012	3.449941e-05	0	0	0.000000e+00	0	0
##	CSI022	6.454667e-05	0	0	8.606222e-05	0	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu02841	0tu02842	0tu02843	0tu02844	0tu02845	0tu02846
##	CSI001	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0.000000e+00

##	CSI022	0	0	0	0	0	0 0.000000e+00
##	CSI044	0	0	0	0	0	0 0.000000e+00
##	CSI055	0	0	0	0	0	0 0.000000e+00
##	CSI065	0	0	0	0	0	0 3.782005e-05
##	CSI076	0	0	0	0	0	0 5.781349e-05
##		0tu02848	0tu02849	0tu02850	0tu02851	0tu02852	0tu02853
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	4.302833e-05	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	2.890675e-05	0	0	0	0
##		0tu02854	0tu02855	0tu02856	0tu02857	0tu02858	
##	CSI001	0.000000e+00	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00		
##	CSI012	1.724971e-05	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00		
##	CSI022	0.000000e+00	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00		
##	CSI044	0.000000e+00	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00		
##	CSI055	0.000000e+00	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00		
##	CSI065	0.000000e+00	0 0.000000e+00	0 7.564010e-05			
##	CSI076	2.890675e-05	0 0.000000e+00	0 2.890675e-05			
##		0tu02859	0tu02860	0tu02861	0tu02862	0tu02863	0tu02864
##	CSI001	2.345326e-05	0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	4.302833e-05	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu02865	0tu02866	0tu02867	0tu02868	0tu02869	0tu02870
##	CSI001	0.0001172663	1.876261e-04	0.000000e+00	0	0	0
##	CSI012	0.0001034982	8.624853e-05	0.000000e+00	0	0	0
##	CSI022	0.0001721244	0.000000e+00	0.000000e+00	0	0	0
##	CSI044	0.0000000000	0.000000e+00	0.000000e+00	0	0	0
##	CSI055	0.0000000000	0.000000e+00	0.000000e+00	0	0	0
##	CSI065	0.0000000000	0.000000e+00	0.000000e+00	0	0	0
##	CSI076	0.0000000000	0.000000e+00	5.781349e-05	0	0	0
##		0tu02871	0tu02872	0tu02873	0tu02874	0tu02875	0tu02876
##	CSI001	0.000000e+00	0 0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	0 0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0 0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0 0.000000e+00	0	0	0	0
##	CSI055	4.087692e-04	0 0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	0 1.134602e-04	0	0	0	0
##	CSI076	2.890675e-05	0 3.179742e-04	0	0	0	0
##		0tu02877	0tu02878	0tu02879	0tu02880	0tu02881	
##	CSI001	0.000000e+00	0.000000e+00	2.345326e-05	7.035977e-05	0	
##	CSI012	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI022	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI055	6.454250e-05	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI076	0.000000e+00	2.890675e-05	0.000000e+00	0.000000e+00	0	
##		0tu02882	0tu02883	0tu02884	0tu02885	0tu02886	

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## CSI001 0.000000e+00 0.000000e+00 0.000000e+00      0 2.345326e-05
## CSI012 0.000000e+00 0.000000e+00 8.624853e-05      0 0.000000e+00
## CSI022 2.151556e-05 0.000000e+00 6.454667e-05      0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI055 1.290850e-04 4.302833e-05 0.000000e+00      0 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
##      0tu02887      0tu02888 0tu02889 0tu02890      0tu02891 0tu02892
## CSI001 2.345326e-05 0.000000e+00      0      0 9.381303e-05      0
## CSI012 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI022 0.000000e+00 0.000000e+00      0      0 4.303111e-05      0
## CSI044 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI055 0.000000e+00 2.151417e-05      0      0 0.000000e+00      0
## CSI065 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI076 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
##      0tu02893      0tu02894 0tu02895 0tu02896 0tu02897 0tu02898
## CSI001      0 0.0000000000      0      0      0      0
## CSI012      0 0.0000000000      0      0      0      0
## CSI022      0 0.0000000000      0      0      0      0
## CSI044      0 0.0000000000      0      0      0      0
## CSI055      0 0.0000000000      0      0      0      0
## CSI065      0 0.0000000000      0      0      0      0
## CSI076      0 0.0000000000      0      0      0      0
##      0tu02899 0tu02900 0tu02901      0tu02902      0tu02903 0tu02904
## CSI001 2.345326e-05      0      0 0.000000e+00 0.000000e+00      0
## CSI012 1.724971e-05      0      0 1.724971e-05 1.034982e-04      0
## CSI022 4.303111e-05      0      0 0.000000e+00 4.303111e-05      0
## CSI044 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI055 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI065 0.000000e+00      0      0 0.000000e+00 3.782005e-05      0
## CSI076 0.000000e+00      0      0 0.000000e+00 2.890675e-05      0
##      0tu02905 0tu02906      0tu02907 0tu02908 0tu02909      0tu02910
## CSI001 2.345326e-05      0 2.110793e-04      0      0 0.000000e+00
## CSI012 3.449941e-05      0 1.034982e-04      0      0 1.724971e-05
## CSI022 2.366711e-04      0 2.151556e-05      0      0 0.000000e+00
## CSI044 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI055 2.151417e-05      0 0.000000e+00      0      0 0.000000e+00
## CSI065 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI076 8.672024e-05      0 0.000000e+00      0      0 0.000000e+00
##      0tu02911 0tu02912      0tu02913      0tu02914 0tu02915
## CSI001 0.000000e+00      0 0.000000e+00 0.0000000000      0
## CSI012 0.000000e+00      0 0.000000e+00 0.0000000000      0
## CSI022 0.000000e+00      0 0.000000e+00 0.0000000000      0
## CSI044 0.000000e+00      0 0.000000e+00 0.0000000000      0
## CSI055 7.099675e-04      0 2.151417e-05 0.0002796842      0
## CSI065 0.000000e+00      0 0.000000e+00 0.0000000000      0
## CSI076 8.672024e-05      0 0.000000e+00 0.0000000000      0
##      0tu02916 0tu02917 0tu02918      0tu02919      0tu02920
## CSI001 0.000000e+00 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI012 0.000000e+00 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI022 0.000000e+00 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI055 8.605667e-04 2.151417e-05      0 0.0000000000 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00      0 0.0000000000 0.000000e+00

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## CSI076 0.000000e+00 0.000000e+00 0 0.0000000000 2.890675e-05
##          0tu02921 0tu02922 0tu02923 0tu02924 0tu02925 0tu02926
## CSI001 0.000000e+00 0 0.000000e+00 0 0.000000e+00 0
## CSI012 0.000000e+00 0 0.000000e+00 0 8.624853e-05 0
## CSI022 0.000000e+00 0 0.000000e+00 0 6.454667e-05 0
## CSI044 0.000000e+00 0 0.000000e+00 0 0.000000e+00 0
## CSI055 0.000000e+00 0 0.000000e+00 0 0.000000e+00 0
## CSI065 0.000000e+00 0 7.56401e-05 0 0.000000e+00 0
## CSI076 0.000000e+00 0 0.000000e+00 0 0.000000e+00 0
##          0tu02927 0tu02928 0tu02929 0tu02930 0tu02931 0tu02932
## CSI001 0 0.000000e+00 0.00000000 0 2.345326e-05 0
## CSI012 0 0.000000e+00 0.00000000 0 0.000000e+00 0
## CSI022 0 0.000000e+00 0.00000000 0 0.000000e+00 0
## CSI044 0 0.000000e+00 0.00000000 0 0.000000e+00 0
## CSI055 0 6.454250e-05 0.00051634 0 0.000000e+00 0
## CSI065 0 0.000000e+00 0.00000000 0 0.000000e+00 0
## CSI076 0 5.781349e-05 0.00000000 0 0.000000e+00 0
##          0tu02933 0tu02934 0tu02935 0tu02936 0tu02937 0tu02938
## CSI001 0.0000000000 0.000000e+00 0 0 4.690652e-05 0
## CSI012 0.0000000000 0.000000e+00 0 0 6.899883e-05 0
## CSI022 0.0000000000 0.000000e+00 0 0 0.000000e+00 0
## CSI044 0.0000000000 0.000000e+00 0 0 0.000000e+00 0
## CSI055 0.0000000000 3.872550e-04 0 0 0.000000e+00 0
## CSI065 0.0001134602 0.000000e+00 0 0 0.000000e+00 0
## CSI076 0.0000000000 0.000000e+00 0 0 0.000000e+00 0
##          0tu02939 0tu02940 0tu02941 0tu02942 0tu02943 0tu02944
## CSI001 0.000000e+00 0.000000e+00 0 0 0 0
## CSI012 0.000000e+00 0.000000e+00 0 0 0 0
## CSI022 0.000000e+00 0.000000e+00 0 0 0 0
## CSI044 0.000000e+00 0.000000e+00 0 0 0 0
## CSI055 5.378542e-04 4.302833e-05 0 0 0 0
## CSI065 0.000000e+00 0.000000e+00 0 0 0 0
## CSI076 0.000000e+00 0.000000e+00 0 0 0 0
##          0tu02945 0tu02946 0tu02947 0tu02948 0tu02949 0tu02950
## CSI001 0 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI012 0 3.449941e-05 1.724971e-05 1.724971e-05 0 0
## CSI022 0 4.303111e-05 0.000000e+00 0.000000e+00 0 0
## CSI044 0 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI055 0 0.000000e+00 6.454250e-05 0.000000e+00 0 0
## CSI065 0 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI076 0 0.000000e+00 4.914147e-04 0.000000e+00 0 0
##          0tu02951 0tu02952 0tu02953 0tu02954 0tu02955
## CSI001 0.0000000000 2.345326e-05 0.000000e+00 0.000000e+00 0
## CSI012 0.0000000000 8.624853e-05 1.724971e-05 0.000000e+00 0
## CSI022 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00 0
## CSI044 0.0000000000 0.000000e+00 0.000000e+00 6.111867e-04 0
## CSI055 0.0000000000 0.000000e+00 4.302833e-05 4.302833e-05 0
## CSI065 0.0000000000 0.000000e+00 0.000000e+00 1.134602e-04 0
## CSI076 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00 0
##          0tu02956 0tu02957 0tu02958 0tu02959 0tu02960 0tu02961 0tu02962
## CSI001 0 0 0 0.000000e+00 0 0 0
## CSI012 0 0 0 6.899883e-05 0 0 0
## CSI022 0 0 0 0.000000e+00 0 0 0
## CSI044 0 0 0 0.000000e+00 0 0 0

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##	CSI055	0	0	0 0.000000e+00	0	0	0
##	CSI065	0	0	0 0.000000e+00	0	0	0
##	CSI076	0	0	0 0.000000e+00	0	0	0
##	0tu02963	0tu02964	0tu02965	0tu02966	0tu02967		
##	CSI001	0 4.690652e-05	0 0.000000e+00	0.000000e+00			
##	CSI012	0 0.000000e+00	0 0.000000e+00	3.449941e-05			
##	CSI022	0 0.000000e+00	0 2.151556e-05	0.000000e+00			
##	CSI044	0 0.000000e+00	0 0.000000e+00	0.000000e+00			
##	CSI055	0 0.000000e+00	0 4.302833e-05	0.000000e+00			
##	CSI065	0 0.000000e+00	0 0.000000e+00	0.000000e+00			
##	CSI076	0 0.000000e+00	0 0.000000e+00	0.000000e+00			
##	0tu02968	0tu02969	0tu02970	0tu02971	0tu02972	0tu02973	
##	CSI001	0.000000e+00	0	0 7.035977e-05	0 0.000000e+00		
##	CSI012	0.000000e+00	0	0 1.724971e-05	0 0.000000e+00		
##	CSI022	0.000000e+00	0	0 0.000000e+00	0 0.000000e+00		
##	CSI044	3.943140e-05	0	0 0.000000e+00	0 0.000000e+00		
##	CSI055	0.000000e+00	0	0 0.000000e+00	0 0.000000e+00		
##	CSI065	0.000000e+00	0	0 3.782005e-05	0 0.000000e+00		
##	CSI076	0.000000e+00	0	0 0.000000e+00	0 5.781349e-05		
##	0tu02974	0tu02975	0tu02976	0tu02977	0tu02978	0tu02979	
##	CSI001	0 0.0000000000	0	0 0.000000e+00	0.000000e+00		
##	CSI012	0 0.0006554889	0	0 0.000000e+00	0.000000e+00		
##	CSI022	0 0.0000000000	0	0 0.000000e+00	0.000000e+00		
##	CSI044	0 0.0000000000	0	0 0.000000e+00	0.000000e+00		
##	CSI055	0 0.0000000000	0	0 0.000000e+00	0.000000e+00		
##	CSI065	0 0.0000000000	0	0 0.000000e+00	3.782005e-05		
##	CSI076	0 0.0000000000	0	0 5.781349e-05	5.781349e-05		
##	0tu02980	0tu02981	0tu02982	0tu02983	0tu02984	0tu02985	
##	CSI001	0.0000000000	0	0 0.00000e+00	0.000000e+00	0	
##	CSI012	0.0000000000	0	0 0.00000e+00	0.000000e+00	0	
##	CSI022	0.0000000000	0	0 0.00000e+00	0.000000e+00	0	
##	CSI044	0.0000000000	0	0 0.00000e+00	0.000000e+00	0	
##	CSI055	0.0004948258	0	0 6.45425e-05	0.000000e+00	0	
##	CSI065	0.0000000000	0	0 0.00000e+00	0.000000e+00	0	
##	CSI076	0.0000000000	0	0 0.00000e+00	0.000000e+00	0	
##	0tu02986	0tu02987	0tu02988	0tu02989	0tu02990	0tu02991	
##	CSI001	0	0 0.000000e+00	2.345326e-05	0 0.000000e+00		
##	CSI012	0	0 1.724971e-05	0.000000e+00	0 0.000000e+00		
##	CSI022	0	0 0.000000e+00	4.303111e-05	0 0.000000e+00		
##	CSI044	0	0 0.000000e+00	0.000000e+00	0 0.000000e+00		
##	CSI055	0	0 1.505992e-04	0.000000e+00	0 0.000000e+00		
##	CSI065	0	0 0.000000e+00	0.000000e+00	0 0.000000e+00		
##	CSI076	0	0 0.000000e+00	0.000000e+00	0 0.000000e+00		
##	0tu02992	0tu02993	0tu02994	0tu02995	0tu02996	0tu02997	
##	CSI001	0	0	0 0.000000e+00	0		
##	CSI012	0	0	0 0.000000e+00	0		
##	CSI022	0	0	0 0.000000e+00	0		
##	CSI044	0	0	0 0.000000e+00	0		
##	CSI055	0	0	0 0.000000e+00	0		
##	CSI065	0	0	0 0.000000e+00	0		
##	CSI076	0	0	0 2.890675e-05	0		
##	0tu02998	0tu02999	0tu03000	0tu03001	0tu03002		
##	CSI001	0.000000e+00	4.690652e-05	4.690652e-05	0 0.000000e+00		
##	CSI012	0.000000e+00	5.174912e-05	1.034982e-04	0 0.000000e+00		

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## CSI022 2.151556e-05 0.000000e+00 0.000000e+00 0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00 2.151417e-05 0 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0 0.000000e+00
## CSI076 2.601607e-04 2.890675e-05 0.000000e+00 0 0.000000e+00
##      0tu03003      0tu03004      0tu03005 0tu03006 0tu03007
## CSI001 1.172663e-04 0.000000e+00 7.035977e-05 0 0
## CSI012 5.174912e-05 0.000000e+00 0.000000e+00 0 0
## CSI022 4.303111e-05 0.000000e+00 0.000000e+00 0 0
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI055 0.000000e+00 2.151417e-05 4.302833e-05 0 0
## CSI065 0.000000e+00 1.891003e-04 0.000000e+00 0 0
## CSI076 0.000000e+00 8.672024e-05 0.000000e+00 0 0
##      0tu03008      0tu03009 0tu03010 0tu03011      0tu03012 0tu03013
## CSI001 4.690652e-05 2.345326e-05 0 0 7.035977e-05 0
## CSI012 0.000000e+00 0.000000e+00 0 0 2.932450e-04 0
## CSI022 0.000000e+00 0.000000e+00 0 0 0.000000e+00 0
## CSI044 0.000000e+00 0.000000e+00 0 0 0.000000e+00 0
## CSI055 1.936275e-04 1.075708e-04 0 0 0.000000e+00 0
## CSI065 0.000000e+00 0.000000e+00 0 0 0.000000e+00 0
## CSI076 0.000000e+00 0.000000e+00 0 0 0.000000e+00 0
##      0tu03014      0tu03015      0tu03016      0tu03017      0tu03018
## CSI001 0 2.345326e-05 2.345326e-05 2.345326e-05 2.345326e-05
## CSI012 0 1.724971e-05 0.000000e+00 1.724971e-05 1.207479e-04
## CSI022 0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044 0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI065 0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076 0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu03019 0tu03020 0tu03021      0tu03022 0tu03023      0tu03024
## CSI001 0 0 0 0.000000e+00 0 0.000000e+00
## CSI012 0 0 0 1.724971e-05 0 0.000000e+00
## CSI022 0 0 0 0.000000e+00 0 0.000000e+00
## CSI044 0 0 0 0.000000e+00 0 0.000000e+00
## CSI055 0 0 0 0.000000e+00 0 1.936275e-04
## CSI065 0 0 0 0.000000e+00 0 0.000000e+00
## CSI076 0 0 0 0.000000e+00 0 8.093889e-04
##      0tu03025      0tu03026 0tu03027      0tu03028      0tu03029
## CSI001 0.000000e+00 0.000000e+00 0 0.000000e+00 0.0000000000
## CSI012 0.000000e+00 3.449941e-05 0 0.000000e+00 0.0000000000
## CSI022 0.000000e+00 0.000000e+00 0 0.000000e+00 0.0000000000
## CSI044 0.000000e+00 0.000000e+00 0 0.000000e+00 0.0000000000
## CSI055 0.000000e+00 0.000000e+00 0 0.000000e+00 0.0000000000
## CSI065 0.000000e+00 0.000000e+00 0 0.000000e+00 0.0000000000
## CSI076 0.000000e+00 0.000000e+00 0 2.890675e-05 0.0000000000
##      0tu03030 0tu03031      0tu03032      0tu03033 0tu03034 0tu03035
## CSI001 0.000000e+00 0 2.345326e-05 0.00000e+00 0 0
## CSI012 0.000000e+00 0 0.000000e+00 0.00000e+00 0 0
## CSI022 0.000000e+00 0 8.606222e-05 0.00000e+00 0 0
## CSI044 0.000000e+00 0 0.000000e+00 1.97157e-05 0 0
## CSI055 0.000000e+00 0 0.000000e+00 0.00000e+00 0 0
## CSI065 5.294807e-04 0 0.000000e+00 0.00000e+00 0 0
## CSI076 5.781349e-05 0 0.000000e+00 0.00000e+00 0 0
##      0tu03036      0tu03037 0tu03038      0tu03039 0tu03040 0tu03041

```


##	CSI001	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI012	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI022	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI044	0	1.971570e-05	0	0.000000e+00	0	0	
##	CSI055	0	1.290850e-04	0	0.000000e+00	0	0	
##	CSI065	0	0.000000e+00	0	3.782005e-05	0	0	
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0	
##		0tu03042	0tu03043	0tu03044	0tu03045	0tu03046	0tu03047	0tu03048
##	CSI001	0	0	0.0000000000	0	0	0	0
##	CSI012	0	0	0.0000000000	0	0	0	0
##	CSI022	0	0	0.0000000000	0	0	0	0
##	CSI044	0	0	0.0000000000	0	0	0	0
##	CSI055	0	0	0.000129085	0	0	0	0
##	CSI065	0	0	0.0000000000	0	0	0	0
##	CSI076	0	0	0.0000000000	0	0	0	0
##		0tu03049	0tu03050	0tu03051	0tu03052	0tu03053	0tu03054	
##	CSI001	0	0	0.000000e+00	2.345326e-05	0	0.000000e+00	
##	CSI012	0	0	0.000000e+00	0.000000e+00	0	6.899883e-05	
##	CSI022	0	0	0.000000e+00	0.000000e+00	0	4.303111e-05	
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	4.302833e-05	6.454250e-05	0	5.808825e-04	
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	3.782005e-05	
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##		0tu03055	0tu03056	0tu03057	0tu03058	0tu03059	0tu03060	
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	2.579858e-04	
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	3.449941e-05	
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##		0tu03061	0tu03062	0tu03063	0tu03064	0tu03065	0tu03066	
##	CSI001	0	0.0000000000	0	0.000000e+00	0	0	
##	CSI012	0	0.0000000000	0	0.000000e+00	0	0	
##	CSI022	0	0.0000000000	0	0.000000e+00	0	0	
##	CSI044	0	0.0000000000	0	0.000000e+00	0	0	
##	CSI055	0	0.0000000000	0	0.000000e+00	0	0	
##	CSI065	0	0.0000000000	0	0.000000e+00	0	0	
##	CSI076	0	0.0001445337	0	2.601607e-04	0	0	
##		0tu03067	0tu03068	0tu03069	0tu03070	0tu03071	0tu03072	0tu03073
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	3.449941e-05	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu03074	0tu03075	0tu03076	0tu03077	0tu03078	0tu03079	0tu03080
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		0tu03081	0tu03082	0tu03083	0tu03084	0tu03085	0tu03086	
##	CSI001	0	0	0	0	0.000000e+00	9.381303e-05	
##	CSI012	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI022	0	0	0	0	0.000000e+00	2.151556e-05	
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0	0	0.000000e+00	0.000000e+00	
##		0tu03087	0tu03088	0tu03089	0tu03090	0tu03091		
##	CSI001	0.000000e+00	1.172663e-04	0.000000e+00	0	0		
##	CSI012	0.000000e+00	1.552474e-04	1.724971e-05	0	0		
##	CSI022	0.000000e+00	8.606222e-05	0.000000e+00	0	0		
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0		
##	CSI055	0.000000e+00	0.000000e+00	0.000000e+00	0	0		
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0		
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0		
##		0tu03092	0tu03093	0tu03094	0tu03095	0tu03096	0tu03097	
##	CSI001	7.035977e-05	0.000000e+00	0	0	0	0.0000000000	
##	CSI012	0.000000e+00	5.174912e-05	0	0	0	0.0000000000	
##	CSI022	4.303111e-05	0.000000e+00	0	0	0	0.0000000000	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0.0002168727	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0.0002581700	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0.0006051208	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0.0000000000	
##		0tu03098	0tu03099	0tu03100	0tu03101	0tu03102	0tu03103	
##	CSI001	7.035977e-05	0	0	0.0000000000	0	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0.0000000000	0	0.000000e+00	
##	CSI022	0.000000e+00	0	0	0.0000000000	0	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0.0000000000	0	0.000000e+00	
##	CSI055	6.454250e-05	0	0	0.0000645425	0	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0.0001512802	0	3.782005e-05	
##	CSI076	0.000000e+00	0	0	0.0000000000	0	2.890675e-05	
##		0tu03104	0tu03105	0tu03106	0tu03107	0tu03108	0tu03109	
##	CSI001	0	0	1.407195e-04	0.000000e+00	0	0	
##	CSI012	0	0	3.449941e-05	0.000000e+00	0	0	
##	CSI022	0	0	4.303111e-05	0.000000e+00	0	0	
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI055	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0	
##		0tu03110	0tu03111	0tu03112	0tu03113	0tu03114	0tu03115	0tu03116
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	1.290850e-04	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	5.781349e-05	0
##		0tu03117	0tu03118	0tu03119	0tu03120	0tu03121	0tu03122	
##	CSI001	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00	

##	CSI055	2.151417e-05	0	0	0	0	4.302833e-05
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu03123	0tu03124	0tu03125	0tu03126	0tu03127	0tu03128
##	CSI001	0	0	0	9.381303e-05	0.000000e+00	0
##	CSI012	0	0	0	0.000000e+00	1.724971e-05	0
##	CSI022	0	0	0	2.151556e-05	0.000000e+00	0
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI055	0	0	0	0.000000e+00	2.151417e-05	0
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI076	0	0	0	5.781349e-05	2.890675e-05	0
##		0tu03129	0tu03130	0tu03131	0tu03132	0tu03133	0tu03134
##	CSI001	0.0001641728	0	0	2.345326e-05	0	0.0000000000
##	CSI012	0.0000000000	0	0	1.724971e-05	0	0.0000000000
##	CSI022	0.0000000000	0	0	0.000000e+00	0	0.0000000000
##	CSI044	0.0000000000	0	0	0.000000e+00	0	0.0000000000
##	CSI055	0.0000000000	0	0	2.151417e-05	0	0.0000000000
##	CSI065	0.0000000000	0	0	0.000000e+00	0	0.0000000000
##	CSI076	0.0000000000	0	0	0.000000e+00	0	0.0000000000
##		0tu03135	0tu03136	0tu03137	0tu03138	0tu03139	0tu03140
##	CSI001	0.0000000000	0	0	0	0.000000e+00	0
##	CSI012	0.0000000000	0	0	0	0.000000e+00	0
##	CSI022	0.0000000000	0	0	0	0.000000e+00	0
##	CSI044	0.0000000000	0	0	0	0.000000e+00	0
##	CSI055	0.0001721133	0	0	0	8.605667e-05	0
##	CSI065	0.0000000000	0	0	0	0.000000e+00	0
##	CSI076	0.0000000000	0	0	0	0.000000e+00	0
##		0tu03141	0tu03142	0tu03143	0tu03144	0tu03145	
##	CSI001	0.0000000000	0.000000e+00	2.345326e-04	0	0.000000e+00	
##	CSI012	0.0000000000	0.000000e+00	1.379977e-04	0	0.000000e+00	
##	CSI022	0.0000000000	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI044	0.0000000000	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI055	0.0000000000	9.251092e-04	0.000000e+00	0	0.000000e+00	
##	CSI065	0.0000000000	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI076	0.0000000000	0.000000e+00	0.000000e+00	0	0.000000e+00	
##		0tu03146	0tu03147	0tu03148	0tu03149	0tu03150	0tu03151
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI065	3.782005e-05	0	0.000000e+00	0	0	0
##	CSI076	0.000000e+00	0	2.890675e-05	0	0	0
##		0tu03152	0tu03153	0tu03154	0tu03155	0tu03156	0tu03157
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	1.724971e-05	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		0tu03158	0tu03159	0tu03160	0tu03161	0tu03162	0tu03163
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI012	0.000000e+00	0	0	0.000000e+00	0	0

##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI055	1.075708e-04	0	0	1.075708e-04	0	0
##	CSI065	0.000000e+00	0	0	7.564010e-05	0	0
##	CSI076	0.000000e+00	0	0	8.672024e-05	0	0
##		0tu03164	0tu03165	0tu03166	0tu03167	0tu03168	0tu03169
##	CSI001	0	0	0	4.690652e-05	0	2.345326e-05
##	CSI012	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI022	0	0	0	1.290933e-04	0	0.000000e+00
##	CSI044	0	0	0	0.000000e+00	0	1.774413e-04
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00
##		0tu03170	0tu03171	0tu03172	0tu03173	0tu03174	0tu03175
##	CSI001	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##	CSI012	0	0.000000e+00	0.000000e+00	0	1.724971e-05	0
##	CSI022	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##	CSI044	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##	CSI055	0	4.302833e-05	6.669392e-04	0	0.000000e+00	0
##	CSI065	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##	CSI076	0	5.781349e-05	2.890675e-05	0	0.000000e+00	0
##		0tu03176	0tu03177	0tu03178	0tu03179	0tu03180	0tu03181
##	CSI001	0	0	0	0	0	1.172663e-04
##	CSI012	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	2.151556e-05
##	CSI044	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0.000000e+00
##		0tu03183	0tu03184	0tu03185	0tu03186	0tu03187	
##	CSI001	0	4.690652e-05	2.345326e-05	2.345326e-04	0.0000000000	
##	CSI012	0	1.724971e-05	0.000000e+00	5.174912e-05	0.0000000000	
##	CSI022	0	0.000000e+00	0.000000e+00	6.454667e-05	0.0000000000	
##	CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	
##	CSI055	0	0.000000e+00	4.087692e-04	0.000000e+00	0.0003657408	
##	CSI065	0	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	
##	CSI076	0	0.000000e+00	8.672024e-05	0.000000e+00	0.0000000000	
##		0tu03188	0tu03189	0tu03190	0tu03191	0tu03192	0tu03193
##	CSI001	0.000000e+00	0	0	0.000000e+00	0.0000000000	0
##	CSI012	0.000000e+00	0	0	0.000000e+00	0.0000000000	0
##	CSI022	0.000000e+00	0	0	4.303111e-05	0.0000000000	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.0000000000	0
##	CSI055	2.151417e-05	0	0	2.151417e-05	0.0000000000	0
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.0000000000	0
##	CSI076	0.000000e+00	0	0	0.000000e+00	0.0004046945	0
##		0tu03194	0tu03195	0tu03196	0tu03197	0tu03198	0tu03199
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI055	4.302833e-05	0	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI076	1.242990e-03	0	0	0	0.000000e+00	0
##		0tu03200	0tu03201	0tu03202	0tu03203	0tu03204	0tu03205

##	CSI001	0	0 0.000000e+00	0	0	0	
##	CSI012	0	0 0.000000e+00	0	0	0	
##	CSI022	0	0 0.000000e+00	0	0	0	
##	CSI044	0	0 0.000000e+00	0	0	0	
##	CSI055	0	0 6.454250e-05	0	0	0	
##	CSI065	0	0 0.000000e+00	0	0	0	
##	CSI076	0	0 0.000000e+00	0	0	0	
##		0tu03206	0tu03207	0tu03208	0tu03209	0tu03210	
##	CSI001	0.000000e+00	3.283456e-04	0.000000000	0.000000e+00	0	
##	CSI012	4.829918e-04	1.207479e-04	0.000000000	0.000000e+00	0	
##	CSI022	0.000000e+00	0.000000e+00	0.000000000	0.000000e+00	0	
##	CSI044	0.000000e+00	0.000000e+00	0.000000000	0.000000e+00	0	
##	CSI055	0.000000e+00	0.000000e+00	0.000000000	8.605667e-05	0	
##	CSI065	0.000000e+00	0.000000e+00	0.000000000	0.000000e+00	0	
##	CSI076	0.000000e+00	2.890675e-05	0.000231254	0.000000e+00	0	
##		0tu03211	0tu03212	0tu03213	0tu03214	0tu03215	
##	CSI001	0 7.035977e-05		0 0.000000e+00	2.345326e-05		
##	CSI012	0 0.000000e+00		0 0.000000e+00	0.000000e+00		
##	CSI022	0 0.000000e+00		0 0.000000e+00	0.000000e+00		
##	CSI044	0 0.000000e+00		0 0.000000e+00	0.000000e+00		
##	CSI055	0 0.000000e+00		0 2.366558e-04	0.000000e+00		
##	CSI065	0 0.000000e+00		0 0.000000e+00	3.782005e-05		
##	CSI076	0 0.000000e+00		0 8.672024e-05	0.000000e+00		
##		0tu03216	0tu03217	0tu03218	0tu03219	0tu03220	
##	CSI001	0.0004221586		0 0.000000e+00	0.000000e+00	0	
##	CSI012	0.0000000000		0 0.000000e+00	3.449941e-05	0	
##	CSI022	0.0000000000		0 0.000000e+00	2.151556e-05	0	
##	CSI044	0.0000000000		0 0.000000e+00	0.000000e+00	0	
##	CSI055	0.0000000000		0 4.302833e-05	0.000000e+00	0	
##	CSI065	0.0000000000		0 0.000000e+00	0.000000e+00	0	
##	CSI076	0.0000000000		0 0.000000e+00	0.000000e+00	0	
##		0tu03221	0tu03222	0tu03223	0tu03224	0tu03225	0tu03226
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	6.454250e-05	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		0tu03227	0tu03228	0tu03229	0tu03230	0tu03231	0tu03232
##	CSI001	2.345326e-05	0 1.641728e-04		0 0.000000e+00		0
##	CSI012	0.000000e+00	0 1.724971e-05		0 0.000000e+00		0
##	CSI022	4.303111e-05	0 2.151556e-05		0 1.075778e-04		0
##	CSI044	0.000000e+00	0 0.000000e+00		0 0.000000e+00		0
##	CSI055	0.000000e+00	0 0.000000e+00		0 0.000000e+00		0
##	CSI065	0.000000e+00	0 0.000000e+00		0 0.000000e+00		0
##	CSI076	0.000000e+00	0 0.000000e+00		0 0.000000e+00		0
##		0tu03233	0tu03234	0tu03235	0tu03236	0tu03237	
##	CSI001	2.345326e-05	0 0.000000e+00	0.000000e+00		0	
##	CSI012	1.724971e-05	0 0.000000e+00	0.000000e+00		0	
##	CSI022	0.000000e+00	0 0.000000e+00	0.000000e+00		0	
##	CSI044	0.000000e+00	0 0.000000e+00	0.000000e+00		0	
##	CSI055	0.000000e+00	0 1.290850e-04	4.302833e-05		0	
##	CSI065	0.000000e+00	0 0.000000e+00	0.000000e+00		0	

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## CSI076 8.672024e-05      0 3.468810e-04 0.000000e+00      0
##      0tu03238 0tu03239      0tu03240      0tu03241      0tu03242
## CSI001 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI012 1.724971e-05      0 1.724971e-05 5.174912e-05 3.449941e-05
## CSI022 0.000000e+00      0 2.151556e-05 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00      0 0.000000e+00 6.454250e-05 0.000000e+00
## CSI065 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu03243 0tu03244      0tu03245 0tu03246 0tu03247 0tu03248 0tu03249
## CSI001      0      0 0.0000000000      0      0      0      0
## CSI012      0      0 0.0000000000      0      0      0      0
## CSI022      0      0 0.0000000000      0      0      0      0
## CSI044      0      0 0.0000000000      0      0      0      0
## CSI055      0      0 0.0001505992      0      0      0      0
## CSI065      0      0 0.0000000000      0      0      0      0
## CSI076      0      0 0.0000000000      0      0      0      0
##      0tu03250      0tu03251 0tu03252      0tu03253 0tu03254
## CSI001 4.690652e-05 7.035977e-05      0 0.000000e+00      0
## CSI012 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI022 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI055 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI065 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI076 0.000000e+00 0.000000e+00      0 0.000000e+00      0
##      0tu03255      0tu03256 0tu03257      0tu03258 0tu03259 0tu03260
## CSI001 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI012 0.000000e+00 6.899883e-05      0 3.449941e-05      0      0
## CSI022 0.000000e+00 1.290933e-04      0 0.000000e+00      0      0
## CSI044 0.000000e+00 0.000000e+00      0 5.914710e-05      0      0
## CSI055 6.454250e-05 0.000000e+00      0 0.000000e+00      0      0
## CSI065 3.782005e-05 0.000000e+00      0 0.000000e+00      0      0
## CSI076 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
##      0tu03261      0tu03262      0tu03263 0tu03264 0tu03265 0tu03266
## CSI001      0 0.000000e+00 0.000000e+00      0      0      0
## CSI012      0 1.724971e-05 1.724971e-05      0      0      0
## CSI022      0 1.075778e-04 0.000000e+00      0      0      0
## CSI044      0 0.000000e+00 0.000000e+00      0      0      0
## CSI055      0 0.000000e+00 0.000000e+00      0      0      0
## CSI065      0 0.000000e+00 0.000000e+00      0      0      0
## CSI076      0 0.000000e+00 0.000000e+00      0      0      0
##      0tu03267 0tu03268 0tu03269 0tu03270 0tu03271      0tu03272 0tu03273
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 2.151417e-05      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu03274      0tu03275 0tu03276 0tu03277      0tu03278      0tu03279
## CSI001      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI012      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI022      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI044      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00

```

##	CSI055	0	0.000000e+00	0	0	0.000000e+00	1.075708e-04
##	CSI065	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI076	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##		0tu03280	0tu03281	0tu03282	0tu03283	0tu03284	0tu03285
##	CSI001	0	0.000000e+00	0	0.0000000000	0	0
##	CSI012	0	0.000000e+00	0	0.0000000000	0	0
##	CSI022	0	0.000000e+00	0	0.0000000000	0	0
##	CSI044	0	0.000000e+00	0	0.0000000000	0	0
##	CSI055	0	2.151417e-05	0	0.0000000000	0	0
##	CSI065	0	0.000000e+00	0	0.0000000000	0	0
##	CSI076	0	0.000000e+00	0	0.0002601607	0	0
##		0tu03286	0tu03287	0tu03288	0tu03289	0tu03290	0tu03291
##	CSI001	0.0000000000	0	0	0	0	2.345326e-05
##	CSI012	0.0000000000	0	0	0	0	0.000000e+00
##	CSI022	0.0001075778	0	0	0	0	0.000000e+00
##	CSI044	0.0000000000	0	0	0	0	0.000000e+00
##	CSI055	0.0000000000	0	0	0	0	0.000000e+00
##	CSI065	0.0000000000	0	0	0	0	0.000000e+00
##	CSI076	0.0000000000	0	0	0	0	0.000000e+00
##		0tu03292	0tu03293	0tu03294	0tu03295	0tu03296	0tu03297
##	CSI001	0	0	0	1.172663e-04	0.000000e+00	0
##	CSI012	0	0	0	1.724971e-05	0.000000e+00	0
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI055	0	0	0	6.454250e-05	0.000000e+00	0
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu03298	0tu03299	0tu03300	0tu03301	0tu03302	0tu03303
##	CSI001	0	0.0000000000	0.000000e+00	0	0	0
##	CSI012	0	0.0000000000	0.000000e+00	0	0	0
##	CSI022	0	0.0000000000	0.000000e+00	0	0	0
##	CSI044	0	0.0000000000	0.000000e+00	0	0	0
##	CSI055	0	0.001118737	0.000000e+00	0	0	0
##	CSI065	0	0.0000000000	0.000000e+00	0	0	0
##	CSI076	0	0.0000000000	2.890675e-05	0	0	0
##		0tu03304	0tu03305	0tu03306	0tu03307	0tu03308	0tu03309
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI012	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI055	8.605667e-05	0	0	2.151417e-05	0	0
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI076	1.156270e-04	0	0	0.000000e+00	0	0
##		0tu03310	0tu03311	0tu03312	0tu03313	0tu03314	0tu03315
##	CSI001	2.345326e-05	0	0	0.000000e+00	0.000000e+00	0
##	CSI012	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI055	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI065	0.000000e+00	0	0	7.564010e-05	0.000000e+00	0
##	CSI076	0.000000e+00	0	0	2.890675e-05	0.000000e+00	0
##		0tu03316	0tu03317	0tu03318	0tu03319	0tu03320	0tu03321
##	CSI001	0	0	0	0	0	2.345326e-05
##	CSI012	0	0	0	0	0	1.034982e-04

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## CSI022      0      0      0      0      0      0 0.000000e+00
## CSI044      0      0      0      0      0      0 0.000000e+00
## CSI055      0      0      0      0      0      0 0.000000e+00
## CSI065      0      0      0      0      0      0 0.000000e+00
## CSI076      0      0      0      0      0      0 0.000000e+00
##      0tu03323 0tu03324      0tu03325 0tu03326      0tu03327
## CSI001 0.000000e+00      0 0.0000000000      0 9.381303e-05
## CSI012 1.897468e-04      0 0.0000000000      0 6.899883e-05
## CSI022 0.000000e+00      0 0.0000000000      0 6.454667e-05
## CSI044 0.000000e+00      0 0.0000000000      0 0.000000e+00
## CSI055 0.000000e+00      0 0.0000000000      0 0.000000e+00
## CSI065 0.000000e+00      0 0.0000000000      0 0.000000e+00
## CSI076 0.000000e+00      0 0.0002890675      0 0.000000e+00
##      0tu03328 0tu03329 0tu03330 0tu03331 0tu03332 0tu03333 0tu03334
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 1.724971e-05      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 3.227125e-04      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu03335      0tu03336      0tu03337 0tu03338 0tu03339
## CSI001 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI012 0.000000e+00 5.174912e-05 6.899883e-05      0      0
## CSI022 0.000000e+00 3.872800e-04 0.000000e+00      0      0
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI055 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI076 0.000000e+00 0.000000e+00 0.000000e+00      0      0
##      0tu03340 0tu03341 0tu03342      0tu03343      0tu03344 0tu03345
## CSI001 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI012 1.724971e-05      0      0 0.000000e+00 3.449941e-05      0
## CSI022 1.506089e-04      0      0 0.000000e+00 0.000000e+00      0
## CSI044 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI055 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI065 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI076 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
##      0tu03346 0tu03347      0tu03348 0tu03349 0tu03350 0tu03351
## CSI001      0      0 0.000000e+00      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0
## CSI055      0      0 0.000000e+00      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0
##      0tu03352 0tu03353 0tu03354 0tu03355 0tu03356      0tu03357
## CSI001 0.000000e+00      0      0      0      0 0.0000000000
## CSI012 0.000000e+00      0      0      0      0 0.0000000000
## CSI022 0.000000e+00      0      0      0      0 0.0000000000
## CSI044 0.000000e+00      0      0      0      0 0.0000000000
## CSI055 3.011983e-04      0      0      0      0 0.0000000000
## CSI065 0.000000e+00      0      0      0      0 0.0003025604
## CSI076 0.000000e+00      0      0      0      0 0.0003179742
##      0tu03358 0tu03359      0tu03360 0tu03361      0tu03362      0tu03363

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##	CSI001	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI012	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI022	0	0 0.000000e+00	0 6.454667e-05	0.000000e+00		
##	CSI044	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI055	0	0 0.000000e+00	0 0.000000e+00	2.151417e-05		
##	CSI065	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI076	0	0 2.890675e-05	0 0.000000e+00	5.781349e-05		
##		0tu03364	0tu03365	0tu03366	0tu03367	0tu03368	0tu03369 0tu03370
##	CSI001	0	0 0.000000e+00	0	0	0	0
##	CSI012	0	0 0.000000e+00	0	0	0	0
##	CSI022	0	0 2.151556e-05	0	0	0	0
##	CSI044	0	0 0.000000e+00	0	0	0	0
##	CSI055	0	0 0.000000e+00	0	0	0	0
##	CSI065	0	0 0.000000e+00	0	0	0	0
##	CSI076	0	0 0.000000e+00	0	0	0	0
##		0tu03371	0tu03372	0tu03373	0tu03374	0tu03375	0tu03376
##	CSI001	0.0000000000	0.000000e+00	0 4.690652e-05	0	0	0
##	CSI012	0.0000000000	0.000000e+00	0 0.000000e+00	0	0	0
##	CSI022	0.0000000000	0.000000e+00	0 0.000000e+00	0	0	0
##	CSI044	0.0000000000	0.000000e+00	0 0.000000e+00	0	0	0
##	CSI055	0.0000000000	0.000000e+00	0 0.000000e+00	0	0	0
##	CSI065	0.0000000000	0.000000e+00	0 0.000000e+00	0	0	0
##	CSI076	0.0000000000	0.000000e+00	0 0.000000e+00	0	0	0
##		0tu03377	0tu03378	0tu03379	0tu03380	0tu03381	0tu03382
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	2.151417e-05	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI076	3.468810e-04	0.000000e+00	0	0	0	0
##		0tu03383	0tu03384	0tu03385	0tu03386	0tu03387	0tu03388
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	1.724971e-05	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	2.151417e-05	0	0	0	0
##	CSI065	7.564010e-05	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu03389	0tu03390	0tu03391	0tu03392	0tu03393	0tu03394
##	CSI001	0 0.0000000000	0 0.000000e+00	0	0	0	0
##	CSI012	0 0.0000000000	0 1.724971e-05	0	0	0	0
##	CSI022	0 0.0000000000	0 0.000000e+00	0	0	0	0
##	CSI044	0 0.0000000000	0 0.000000e+00	0	0	0	0
##	CSI055	0 0.0000000000	0 6.454250e-05	0	0	0	0
##	CSI065	0 0.0000000000	0 0.000000e+00	0	0	0	0
##	CSI076	0 0.0000000000	0 0.000000e+00	0	0	0	0
##		0tu03395	0tu03396	0tu03397	0tu03398	0tu03399	0tu03400
##	CSI001	0 0.000000e+00	0 0.000000e+00	0.0000000000	0	0	0
##	CSI012	0 0.000000e+00	0 0.000000e+00	0.0000000000	0	0	0
##	CSI022	0 0.000000e+00	0 0.000000e+00	0.0000000000	0	0	0
##	CSI044	0 0.000000e+00	0 0.000000e+00	0.0000000000	0	0	0
##	CSI055	0 6.454250e-05	0 0.000000e+00	0.0001936275	0	0	0
##	CSI065	0 3.782005e-05	0 0.000000e+00	0.0000000000	0	0	0

## CSI076	0	2.890675e-05	0	0.000000e+00	0.0000000000	0
##	0tu03401	0tu03402	0tu03403	0tu03404	0tu03405	0tu03406
## CSI001	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
## CSI012	0	8.624853e-05	0.000000e+00	1.207479e-04	0	0
## CSI022	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
## CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
## CSI055	0	4.302833e-05	0.000000e+00	0.000000e+00	0	0
## CSI065	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
## CSI076	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	0tu03407	0tu03408	0tu03409	0tu03410	0tu03411	0tu03412
## CSI001	0	0	0	0	0	2.345326e-05
## CSI012	0	0	0	0	0	0.000000e+00
## CSI022	0	0	0	0	0	0.000000e+00
## CSI044	0	0	0	0	0	0.000000e+00
## CSI055	0	0	0	0	0	0.000000e+00
## CSI065	0	0	0	0	0	0.000000e+00
## CSI076	0	0	0	0	0	0.000000e+00
##	0tu03414	0tu03415	0tu03416	0tu03417	0tu03418	0tu03419
## CSI001	0	0	0	0	0	4.690652e-05
## CSI012	0	0	0	0	0	8.624853e-05
## CSI022	0	0	0	0	0	0.000000e+00
## CSI044	0	0	0	0	0	0.000000e+00
## CSI055	0	0	0	0	0	0.000000e+00
## CSI065	0	0	0	0	0	0.000000e+00
## CSI076	0	0	0	0	0	0.000000e+00
##	0tu03421	0tu03422	0tu03423	0tu03424	0tu03425	0tu03426
## CSI001	0	0.00000000	0.000000e+00	0	0	0.000000e+00
## CSI012	0	0.00000000	0.000000e+00	0	0	1.724971e-05
## CSI022	0	0.00000000	0.000000e+00	0	0	0.000000e+00
## CSI044	0	0.00000000	0.000000e+00	0	0	0.000000e+00
## CSI055	0	0.00051634	0.000000e+00	0	0	0.000000e+00
## CSI065	0	0.00000000	0.000000e+00	0	0	0.000000e+00
## CSI076	0	0.00000000	0.000000e+00	0	0	0.000000e+00
##	0tu03427	0tu03428	0tu03429	0tu03430	0tu03431	0tu03432
## CSI001	0	0	0	0	0	0.000000e+00
## CSI012	0	0	0	0	0	1.724971e-05
## CSI022	0	0	0	0	0	0.000000e+00
## CSI044	0	0	0	0	0	1.182942e-04
## CSI055	0	0	0	0	0	0.000000e+00
## CSI065	0	0	0	0	0	0.000000e+00
## CSI076	0	0	0	0	0	2.890675e-05
##	0tu03433	0tu03434	0tu03435	0tu03436	0tu03437	
## CSI001	6.332380e-04	0.000000e+00	0.000000e+00	0	0	
## CSI012	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
## CSI022	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
## CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
## CSI055	0.000000e+00	4.948258e-04	0.000000e+00	0	0	
## CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
## CSI076	0.000000e+00	3.179742e-04	5.781349e-05	0	0	
##	0tu03438	0tu03439	0tu03440	0tu03441	0tu03442	0tu03443
## CSI001	2.345326e-05	0	0	0.000000e+00	0	0.000000e+00
## CSI012	6.899883e-05	0	0	1.724971e-05	0	3.449941e-05
## CSI022	2.151556e-05	0	0	0.000000e+00	0	0.000000e+00
## CSI044	0.000000e+00	0	0	0.000000e+00	0	1.971570e-05

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## CSI055 0.000000e+00      0      0 8.605667e-05      0 1.721133e-04
## CSI065 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI076 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
##      0tu03444 0tu03445      0tu03446 0tu03447 0tu03448 0tu03449
## CSI001 0.0000000000      0 0.000000e+00      0      0      0
## CSI012 0.0000000000      0 0.000000e+00      0      0      0
## CSI022 0.0000000000      0 8.606222e-05      0      0      0
## CSI044 0.0000000000      0 0.000000e+00      0      0      0
## CSI055 0.0002366558      0 0.000000e+00      0      0      0
## CSI065 0.0000000000      0 0.000000e+00      0      0      0
## CSI076 0.0000000000      0 2.890675e-05      0      0      0
##      0tu03450 0tu03451 0tu03452 0tu03453      0tu03454 0tu03455 0tu03456
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 0.000000e+00      0      0
## CSI022      0      0      0      0 6.454667e-05      0      0
## CSI044      0      0      0      0 0.000000e+00      0      0
## CSI055      0      0      0      0 0.000000e+00      0      0
## CSI065      0      0      0      0 0.000000e+00      0      0
## CSI076      0      0      0      0 0.000000e+00      0      0
##      0tu03457 0tu03458      0tu03459 0tu03460      0tu03461 0tu03462
## CSI001      0      0 2.345326e-05      0 0.000000e+00      0
## CSI012      0      0 0.000000e+00      0 0.000000e+00      0
## CSI022      0      0 0.000000e+00      0 0.000000e+00      0
## CSI044      0      0 0.000000e+00      0 0.000000e+00      0
## CSI055      0      0 0.000000e+00      0 2.151417e-05      0
## CSI065      0      0 0.000000e+00      0 0.000000e+00      0
## CSI076      0      0 5.781349e-05      0 0.000000e+00      0
##      0tu03463 0tu03464      0tu03465 0tu03466      0tu03467 0tu03468
## CSI001      0      0 0.000000e+00      0 0.000000e+00      0
## CSI012      0      0 0.000000e+00      0 0.000000e+00      0
## CSI022      0      0 0.000000e+00      0 2.151556e-05      0
## CSI044      0      0 0.000000e+00      0 0.000000e+00      0
## CSI055      0      0 0.000000e+00      0 0.000000e+00      0
## CSI065      0      0 0.000000e+00      0 0.000000e+00      0
## CSI076      0      0 0.000000e+00      0 0.000000e+00      0
##      0tu03469      0tu03470 0tu03471 0tu03472 0tu03473 0tu03474
## CSI001      0 7.035977e-05      0      0      0      0
## CSI012      0 8.624853e-05      0      0      0      0
## CSI022      0 4.303111e-05      0      0      0      0
## CSI044      0 0.000000e+00      0      0      0      0
## CSI055      0 0.000000e+00      0      0      0      0
## CSI065      0 0.000000e+00      0      0      0      0
## CSI076      0 0.000000e+00      0      0      0      0
##      0tu03475 0tu03476 0tu03477 0tu03478      0tu03479 0tu03480
## CSI001 4.690652e-05      0      0      0 0.000000e+00      0
## CSI012 0.000000e+00      0      0      0 1.724971e-05      0
## CSI022 0.000000e+00      0      0      0 0.000000e+00      0
## CSI044 0.000000e+00      0      0      0 0.000000e+00      0
## CSI055 0.000000e+00      0      0      0 4.302833e-04      0
## CSI065 0.000000e+00      0      0      0 0.000000e+00      0
## CSI076 8.672024e-05      0      0      0 0.000000e+00      0
##      0tu03481      0tu03482 0tu03483      0tu03484      0tu03485
## CSI001 0.000000e+00 0.000000e+00      0 2.345326e-05 0.000000e+00
## CSI012 0.000000e+00 0.000000e+00      0 0.000000e+00 6.899883e-05

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## CSI022 0.000000e+00 0.000000e+00      0 6.454667e-05 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00 3.782005e-05      0 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
##      0tu03486 0tu03487 0tu03488      0tu03489      0tu03490
## CSI001 2.345326e-05      0      0 0.000000e+00 2.345326e-05
## CSI012 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI022 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00      0      0 0.000000e+00 0.000000e+00
##      0tu03491      0tu03492 0tu03493 0tu03494      0tu03495
## CSI001 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI012 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI022 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI055 1.505992e-04 6.454250e-05      0      0 2.151417e-05
## CSI065 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI076 5.781349e-05 0.000000e+00      0      0 0.000000e+00
##      0tu03496 0tu03497      0tu03498 0tu03499 0tu03500 0tu03501
## CSI001 0.0000000000      0 0.000000e+00      0      0      0
## CSI012 0.0000000000      0 0.000000e+00      0      0      0
## CSI022 0.0000000000      0 0.000000e+00      0      0      0
## CSI044 0.0000000000      0 0.000000e+00      0      0      0
## CSI055 0.0002151417      0 1.936275e-04      0      0      0
## CSI065 0.0000000000      0 0.000000e+00      0      0      0
## CSI076 0.0001445337      0 2.023472e-04      0      0      0
##      0tu03502 0tu03503 0tu03504 0tu03505 0tu03506      0tu03507
## CSI001 0.000000e+00      0      0      0      0 0.000000e+00
## CSI012 1.724971e-05      0      0      0      0 0.000000e+00
## CSI022 0.000000e+00      0      0      0      0 0.000000e+00
## CSI044 0.000000e+00      0      0      0      0 0.000000e+00
## CSI055 6.023967e-04      0      0      0      0 0.000000e+00
## CSI065 0.000000e+00      0      0      0      0 0.000000e+00
## CSI076 2.890675e-05      0      0      0      0 5.781349e-05
##      0tu03508      0tu03509 0tu03510 0tu03511 0tu03512      0tu03513
## CSI001      0 0.00000e+00      0      0      0 2.345326e-05
## CSI012      0 0.00000e+00      0      0      0 0.000000e+00
## CSI022      0 0.00000e+00      0      0      0 4.303111e-05
## CSI044      0 1.97157e-05      0      0      0 0.000000e+00
## CSI055      0 0.00000e+00      0      0      0 2.151417e-05
## CSI065      0 0.00000e+00      0      0      0 0.000000e+00
## CSI076      0 0.00000e+00      0      0      0 0.000000e+00
##      0tu03514      0tu03515 0tu03516 0tu03517 0tu03518 0tu03519 0tu03520
## CSI001      0 0.0000000000      0      0      0      0      0
## CSI012      0 0.0000000000      0      0      0      0      0
## CSI022      0 0.0000000000      0      0      0      0      0
## CSI044      0 0.0000000000      0      0      0      0      0
## CSI055      0 0.0009251092      0      0      0      0      0
## CSI065      0 0.0000000000      0      0      0      0      0
## CSI076      0 0.0000000000      0      0      0      0      0
##      0tu03521 0tu03522      0tu03523 0tu03524 0tu03525      0tu03526

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##	CSI001	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI012	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI022	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI055	1.290850e-04	0	0.000000e+00	0	0.000000e+00
##	CSI065	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI076	0.000000e+00	0	2.890675e-05	0	2.890675e-05
##		0tu03527	0tu03528	0tu03529	0tu03530	0tu03531
##	CSI001	4.690652e-05	0	0	0.000000e+00	0.000000e+00
##	CSI012	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI044	0.000000e+00	0	0	1.971570e-05	0.000000e+00
##	CSI055	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI076	1.156270e-04	0	0	0.000000e+00	0.000000e+00
##		0tu03533	0tu03534	0tu03535	0tu03536	0tu03537
##	CSI001	0.0000000000	0	0.000727051	0	0.000000e+00
##	CSI012	0.0002069965	0	0.0000000000	0	0.000000e+00
##	CSI022	0.0001721244	0	0.0000000000	0	0.000000e+00
##	CSI044	0.0000000000	0	0.0000000000	0	0.000000e+00
##	CSI055	0.0000000000	0	0.0000000000	0	0.000000e+00
##	CSI065	0.0000000000	0	0.0000000000	0	0.000000e+00
##	CSI076	0.0000000000	0	0.0000000000	0	0.000000e+00
##		0tu03539	0tu03540	0tu03541	0tu03542	0tu03543
##	CSI001	0.000000e+00	0	7.035977e-05	4.690652e-05	0
##	CSI012	0.000000e+00	0	1.724971e-05	3.449941e-05	0
##	CSI022	0.000000e+00	0	0.000000e+00	6.454667e-05	0
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI055	4.302833e-05	0	0.000000e+00	0.000000e+00	0
##	CSI065	0.000000e+00	0	3.782005e-05	0.000000e+00	0
##	CSI076	2.890675e-05	0	0.000000e+00	2.890675e-05	0
##		0tu03545	0tu03546	0tu03547	0tu03548	0tu03549
##	CSI001	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI012	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI022	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI055	0.000000e+00	0	0.000000e+00	2.151417e-05	0
##	CSI065	3.782005e-05	0	0.000000e+00	0	0.000000e+00
##	CSI076	0.000000e+00	0	2.023472e-04	0	0.000000e+00
##		0tu03551	0tu03552	0tu03553	0tu03554	0tu03555
##	CSI001	0	0.0000000000	0	0.0000000000	0
##	CSI012	0	0.0006727386	0	0.0002759953	0
##	CSI022	0	0.0000000000	0	0.0000000000	0
##	CSI044	0	0.0000000000	0	0.0000000000	0
##	CSI055	0	0.0000000000	0	0.0000000000	0
##	CSI065	0	0.0000000000	0	0.0000000000	0
##	CSI076	0	0.0000000000	0	0.0000000000	0
##		0tu03557	0tu03558	0tu03559	0tu03560	0tu03561
##	CSI001	0	0.000000e+00	0.000000e+00	0	0.0000000000
##	CSI012	0	1.724971e-05	1.724971e-05	0	0.0001207479
##	CSI022	0	1.936400e-04	0.000000e+00	0	0.0000000000
##	CSI044	0	0.000000e+00	1.971570e-04	0	0.0000000000
##	CSI055	0	0.000000e+00	0.000000e+00	0	0.0000000000
##	CSI065	0	0.000000e+00	0.000000e+00	0	0.0000000000

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## CSI076      0 0.000000e+00 0.000000e+00      0 0.0000000000      0
##      0tu03563 0tu03564 0tu03565 0tu03566 0tu03567 0tu03568      0tu03569
## CSI001      0      0      0      0      0      0 0.000000e+00
## CSI012      0      0      0      0      0      0 0.000000e+00
## CSI022      0      0      0      0      0      0 0.000000e+00
## CSI044      0      0      0      0      0      0 0.000000e+00
## CSI055      0      0      0      0      0      0 6.454250e-05
## CSI065      0      0      0      0      0      0 0.000000e+00
## CSI076      0      0      0      0      0      0 5.781349e-05
##      0tu03570 0tu03571      0tu03572      0tu03573 0tu03574 0tu03575
## CSI001 4.690652e-05      0 0.000000e+00 0.0000000000      0      0
## CSI012 0.000000e+00      0 0.000000e+00 0.0000000000      0      0
## CSI022 0.000000e+00      0 0.000000e+00 0.0000000000      0      0
## CSI044 0.000000e+00      0 1.182942e-04 0.0000000000      0      0
## CSI055 0.000000e+00      0 0.000000e+00 0.0002366558      0      0
## CSI065 0.000000e+00      0 0.000000e+00 0.0000000000      0      0
## CSI076 8.672024e-05      0 2.890675e-05 0.0000000000      0      0
##      0tu03576 0tu03577 0tu03578 0tu03579      0tu03580      0tu03581
## CSI001      0      0      0      0 0.000000e+00 0.000000e+00
## CSI012      0      0      0      0 0.000000e+00 0.000000e+00
## CSI022      0      0      0      0 0.000000e+00 0.000000e+00
## CSI044      0      0      0      0 0.000000e+00 0.000000e+00
## CSI055      0      0      0      0 0.000000e+00 0.000000e+00
## CSI065      0      0      0      0 0.000000e+00 0.000000e+00
## CSI076      0      0      0      0 2.890675e-05 0.000000e+00
##      0tu03582      0tu03583 0tu03584 0tu03585      0tu03586 0tu03587
## CSI001 2.345326e-05 0.000000e+00      0      0 2.345326e-05      0
## CSI012 6.899883e-05 1.724971e-05      0      0 1.724971e-05      0
## CSI022 4.303111e-05 0.000000e+00      0      0 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI055 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI065 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI076 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
##      0tu03588 0tu03589 0tu03590      0tu03591 0tu03592 0tu03593
## CSI001 0.000000e+00      0      0 0.000000e+00      0      0
## CSI012 0.000000e+00      0      0 0.000000e+00      0      0
## CSI022 0.000000e+00      0      0 0.000000e+00      0      0
## CSI044 0.000000e+00      0      0 0.000000e+00      0      0
## CSI055 0.000000e+00      0      0 8.820809e-04      0      0
## CSI065 0.000000e+00      0      0 0.000000e+00      0      0
## CSI076 0.000000e+00      0      0 0.000000e+00      0      0
##      0tu03594 0tu03595 0tu03596 0tu03597      0tu03598      0tu03599
## CSI001      0      0      0      0 0.000000e+00 0.0000000000
## CSI012      0      0      0      0 0.000000e+00 0.0000000000
## CSI022      0      0      0      0 0.000000e+00 0.0000000000
## CSI044      0      0      0      0 0.000000e+00 0.0000000000
## CSI055      0      0      0      0 0.000000e+00 0.0000000000
## CSI065      0      0      0      0 0.000000e+00 0.0000000000
## CSI076      0      0      0      0 2.890675e-05 0.0000000000
##      0tu03600 0tu03601 0tu03602 0tu03603 0tu03604      0tu03605 0tu03606
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 1.724971e-05      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0

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##	CSI055	0	0	0	0	0 0.000000e+00	0
##	CSI065	0	0	0	0	0 0.000000e+00	0
##	CSI076	0	0	0	0	0 5.781349e-05	0
##	0tu03607	0tu03608	0tu03609	0tu03610	0tu03611	0tu03612	
##	CSI001	0 4.690652e-05	0	0	0 0.000000e+00	2.345326e-05	
##	CSI012	0 0.000000e+00	0	0	0 0.000000e+00	6.899883e-05	
##	CSI022	0 2.151556e-05	0	0	0 0.000000e+00	0.000000e+00	
##	CSI044	0 0.000000e+00	0	0	0 0.000000e+00	0.000000e+00	
##	CSI055	0 0.000000e+00	0	0	2.151417e-05	2.151417e-05	
##	CSI065	0 0.000000e+00	0	0	0 0.000000e+00	0.000000e+00	
##	CSI076	0 0.000000e+00	0	0	0 0.000000e+00	0.000000e+00	
##	0tu03613	0tu03614	0tu03615	0tu03616	0tu03617	0tu03618	
##	CSI001	0	0 0.000000e+00	0	0	0 0.000000e+00	
##	CSI012	0	0 0.000000e+00	0	0	5.174912e-05	
##	CSI022	0	0 0.000000e+00	0	0	0 0.000000e+00	
##	CSI044	0	0 0.000000e+00	0	0	0 0.000000e+00	
##	CSI055	0	0 0.000000e+00	0	0	0 0.000000e+00	
##	CSI065	0	0 0.000000e+00	0	0	0 0.000000e+00	
##	CSI076	0	0 0.000000e+00	0	0	0 0.000000e+00	
##	0tu03619	0tu03620	0tu03621	0tu03622	0tu03623	0tu03624	
##	CSI001	0 0.0000000000	0.000000e+00	0	0	0	
##	CSI012	0 0.0000000000	0.000000e+00	0	0	0	
##	CSI022	0 0.0000000000	0.000000e+00	0	0	0	
##	CSI044	0 0.0000000000	0.000000e+00	0	0	0	
##	CSI055	0 0.0000645425	4.302833e-04	0	0	0	
##	CSI065	0 0.0000000000	0.000000e+00	0	0	0	
##	CSI076	0 0.0000000000	5.781349e-05	0	0	0	
##	0tu03625	0tu03626	0tu03627	0tu03628	0tu03629	0tu03630	
##	CSI001	0 0.000000e+00	0.0000000000	0.000000e+00	0	0	
##	CSI012	0 0.000000e+00	0.0000000000	1.724971e-05	0	0	
##	CSI022	0 0.000000e+00	0.0000000000	0.000000e+00	0	0	
##	CSI044	0 0.000000e+00	0.0000000000	0.000000e+00	0	0	
##	CSI055	0 2.796842e-04	0.0000000000	0.000000e+00	0	0	
##	CSI065	0 0.000000e+00	0.0000000000	0.000000e+00	0	0	
##	CSI076	0 2.890675e-05	0.0006648552	0.000000e+00	0	0	
##	0tu03631	0tu03632	0tu03633	0tu03634	0tu03635	0tu03636	
##	CSI001	0 0.000000e+00	0	0	0	0	
##	CSI012	0 0.000000e+00	0	0	0	0	
##	CSI022	0 0.000000e+00	0	0	0	0	
##	CSI044	0 0.000000e+00	0	0	0	0	
##	CSI055	0 0.000000e+00	0	0	0	0	
##	CSI065	0 0.000000e+00	0	0	0	0	
##	CSI076	0 3.179742e-04	0	0	0	0	
##	0tu03637	0tu03638	0tu03639	0tu03640	0tu03641	0tu03642	
##	CSI001	0.000000e+00	0.000000e+00	0 0.0000000000	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0 0.0000000000	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0 0.0000000000	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0 0.0000000000	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0 0.0000000000	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0 0.0000000000	0	0	
##	CSI076	5.781349e-05	2.890675e-05	0 0.0001734405	0	0	
##	0tu03643	0tu03644	0tu03645	0tu03646	0tu03647	0tu03648	
##	CSI001	0 0.000000e+00	0 2.345326e-05	0	0 0.000000e+00		
##	CSI012	0 6.899883e-05	0 3.449941e-05	0	0 6.899883e-05		

##	CSI022	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI055	0	2.151417e-05	0	0.000000e+00	0	0.000000e+00
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI076	0	5.781349e-05	0	0.000000e+00	0	0.000000e+00
##		0tu03649	0tu03650	0tu03651	0tu03652	0tu03653	
##	CSI001	2.345326e-05	0.000000e+00	2.345326e-05	0	0.00000000	
##	CSI012	0.000000e+00	0.000000e+00	0.000000e+00	0	0.00000000	
##	CSI022	4.303111e-05	0.000000e+00	2.151556e-05	0	0.00000000	
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0.00000000	
##	CSI055	0.000000e+00	0.000000e+00	0.000000e+00	0	0.00025817	
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0.00000000	
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0.00000000	
##		0tu03654	0tu03655	0tu03656	0tu03657	0tu03658	
##	CSI001	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI012	0.000000e+00	8.624853e-05	0	8.624853e-05	3.449941e-05	
##	CSI022	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI055	1.721133e-04	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI076	1.445337e-04	0.000000e+00	0	0.000000e+00	0.000000e+00	
##		0tu03659	0tu03660	0tu03661	0tu03662	0tu03663	0tu03664
##	CSI001	0	0	0.000000e+00	0	4.690652e-05	0
##	CSI012	0	0	3.449941e-05	0	1.552474e-04	0
##	CSI022	0	0	0.000000e+00	0	2.151556e-05	0
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	0
##		0tu03665	0tu03666	0tu03667	0tu03668	0tu03669	0tu03670 0tu03671
##	CSI001	0	0	0	0	0	0.000000e+00 0
##	CSI012	0	0	0	0	0	1.724971e-05 0
##	CSI022	0	0	0	0	0	0.000000e+00 0
##	CSI044	0	0	0	0	0	0.000000e+00 0
##	CSI055	0	0	0	0	0	0.000000e+00 0
##	CSI065	0	0	0	0	0	0.000000e+00 0
##	CSI076	0	0	0	0	0	0.000000e+00 0
##		0tu03672	0tu03673	0tu03674	0tu03675	0tu03676	0tu03677
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI012	1.724971e-05	0.000000e+00	0	0	0	0.000000e+00
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	2.151417e-05
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##		0tu03678	0tu03679	0tu03680	0tu03681	0tu03682	0tu03683 0tu03684
##	CSI001	0	0.000000e+00	0	0	0	0 0
##	CSI012	0	0.000000e+00	0	0	0	0 0
##	CSI022	0	0.000000e+00	0	0	0	0 0
##	CSI044	0	0.000000e+00	0	0	0	0 0
##	CSI055	0	2.151417e-05	0	0	0	0 0
##	CSI065	0	0.000000e+00	0	0	0	0 0
##	CSI076	0	0.000000e+00	0	0	0	0 0
##		0tu03685	0tu03686	0tu03687	0tu03688	0tu03689	0tu03690 0tu03691

##	CSI001	0	0	0	0.0000000000	0	0	0
##	CSI012	0	0	0	0.0000000000	0	0	0
##	CSI022	0	0	0	0.0000000000	0	0	0
##	CSI044	0	0	0	0.0000000000	0	0	0
##	CSI055	0	0	0	0.0000000000	0	0	0
##	CSI065	0	0	0	0.0005673008	0	0	0
##	CSI076	0	0	0	0.0000000000	0	0	0
##	0tu03692	0tu03693	0tu03694	0tu03695	0tu03696	0tu03697		
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI012	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI022	0	0.000000e+00	4.303111e-05	0	0	0	
##	CSI044	0	0.000000e+00	1.577256e-04	0	0	0	
##	CSI055	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI065	0	0.000000e+00	3.782005e-05	0	0	0	
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0	
##	0tu03698	0tu03699	0tu03700	0tu03701	0tu03702	0tu03703		
##	CSI001	0	0	0	2.345326e-05	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	2.151417e-05	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	0tu03704	0tu03705	0tu03706	0tu03707	0tu03708	0tu03709		
##	CSI001	2.345326e-05	0	0	0	0	0.000000e+00	
##	CSI012	3.449941e-05	0	0	0	0	0.000000e+00	
##	CSI022	2.151556e-05	0	0	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI055	0.000000e+00	0	0	0	0	2.366558e-04	
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0	0	0	0	1.734405e-04	
##	0tu03710	0tu03711	0tu03712	0tu03713	0tu03714			
##	CSI001	9.381303e-05	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI012	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI022	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI044	3.943140e-05	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI055	0.000000e+00	2.151417e-05	0	0.000000e+00	0.000000e+00		
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI076	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	0tu03715	0tu03716	0tu03717	0tu03718	0tu03719	0tu03720	0tu03721	
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	3.782005e-04	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##	0tu03722	0tu03723	0tu03724	0tu03725	0tu03726	0tu03727	0tu03728	
##	CSI001	0	0	0	0	2.345326e-05	0	
##	CSI012	0	0	0	0	1.034982e-04	0	
##	CSI022	0	0	0	0	0.000000e+00	0	
##	CSI044	0	0	0	0	0.000000e+00	0	
##	CSI055	0	0	0	0	0.000000e+00	0	
##	CSI065	0	0	0	0	0.000000e+00	0	

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## CSI076      0      0      0      0      0 2.312540e-04      0
##      0tu03729      0tu03730      0tu03731      0tu03732 0tu03733
## CSI001 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00      0
## CSI012 0.000000e+00 0.000000e+00 0.0004312427 0.000000e+00      0
## CSI022 0.000000e+00 2.151556e-05 0.0000000000 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00      0
## CSI055 2.151417e-05 0.000000e+00 0.0000000000 0.000000e+00      0
## CSI065 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00      0
## CSI076 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00      0
##      0tu03734 0tu03735      0tu03736      0tu03737      0tu03738 0tu03739
## CSI001      0      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI012      0      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI022      0      0 2.151556e-05 0.000000e+00 0.000000e+00      0
## CSI044      0      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI055      0      0 0.000000e+00 2.151417e-05 0.000000e+00      0
## CSI065      0      0 0.000000e+00 9.455013e-04 0.000000e+00      0
## CSI076      0      0 0.000000e+00 0.000000e+00 0.000000e+00      0
##      0tu03740 0tu03741 0tu03742      0tu03743 0tu03744      0tu03745
## CSI001 2.345326e-05      0      0 4.690652e-05      0 2.345326e-05
## CSI012 5.174912e-05      0      0 0.000000e+00      0 0.000000e+00
## CSI022 0.000000e+00      0      0 4.303111e-05      0 0.000000e+00
## CSI044 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI055 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI065 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI076 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
##      0tu03746 0tu03747 0tu03748 0tu03749      0tu03750 0tu03751 0tu03752
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 0.000000e+00      0      0
## CSI022      0      0      0      0 0.000000e+00      0      0
## CSI044      0      0      0      0 0.000000e+00      0      0
## CSI055      0      0      0      0 0.000000e+00      0      0
## CSI065      0      0      0      0 0.000000e+00      0      0
## CSI076      0      0      0      0 0.000000e+00      0      0
##      0tu03753      0tu03754      0tu03755 0tu03756      0tu03757 0tu03758
## CSI001      0 0.000000e+00 7.035977e-05      0 2.345326e-05      0
## CSI012      0 0.000000e+00 1.379977e-04      0 3.449941e-05      0
## CSI022      0 0.000000e+00 1.290933e-04      0 4.303111e-05      0
## CSI044      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI055      0 1.290850e-04 0.000000e+00      0 0.000000e+00      0
## CSI065      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI076      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
##      0tu03759 0tu03760 0tu03761 0tu03762 0tu03763 0tu03764 0tu03765
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu03766 0tu03767      0tu03768      0tu03769 0tu03770 0tu03771
## CSI001 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI012 3.449941e-05      0 0.000000e+00 0.000000e+00      0      0
## CSI022 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI044 0.000000e+00      0 0.000000e+00 2.957355e-04      0      0

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## CSI055 0.000000e+00      0 0.000000e+00 2.151417e-05      0      0
## CSI065 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI076 0.000000e+00      0 5.781349e-05 0.000000e+00      0      0
##      0tu03772 0tu03773 0tu03774 0tu03775 0tu03776      0tu03777 0tu03778
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu03779 0tu03780 0tu03781      0tu03782 0tu03783 0tu03784
## CSI001 0.000000e+00      0      0 2.345326e-05      0      0
## CSI012 0.000000e+00      0      0 0.000000e+00      0      0
## CSI022 0.000000e+00      0      0 0.000000e+00      0      0
## CSI044 0.000000e+00      0      0 0.000000e+00      0      0
## CSI055 0.000000e+00      0      0 0.000000e+00      0      0
## CSI065 0.000000e+00      0      0 0.000000e+00      0      0
## CSI076 0.000000e+00      0      0 0.000000e+00      0      0
##      0tu03785 0tu03786 0tu03787 0tu03788 0tu03789 0tu03790 0tu03791
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu03792 0tu03793 0tu03794      0tu03795      0tu03796 0tu03797
## CSI001 4.690652e-05      0      0 0.000000000 4.690652e-05      0
## CSI012 0.000000e+00      0      0 0.000000000 0.000000e+00      0
## CSI022 0.000000e+00      0      0 0.000000000 0.000000e+00      0
## CSI044 1.971570e-05      0      0 0.000000000 0.000000e+00      0
## CSI055 0.000000e+00      0      0 0.000387255 0.000000e+00      0
## CSI065 7.564010e-05      0      0 0.000000000 0.000000e+00      0
## CSI076 0.000000e+00      0      0 0.000000000 0.000000e+00      0
##      0tu03798      0tu03799 0tu03800 0tu03801 0tu03802      0tu03803
## CSI001      0 4.690652e-05      0      0      0 0.000000e+00
## CSI012      0 0.000000e+00      0      0      0 1.034982e-04
## CSI022      0 2.151556e-05      0      0      0 2.151556e-05
## CSI044      0 0.000000e+00      0      0      0 0.000000e+00
## CSI055      0 0.000000e+00      0      0      0 0.000000e+00
## CSI065      0 0.000000e+00      0      0      0 0.000000e+00
## CSI076      0 0.000000e+00      0      0      0 0.000000e+00
##      0tu03804      0tu03805 0tu03806      0tu03807      0tu03808
## CSI001 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI012 0.000000e+00 6.899883e-05      0 0.000000e+00 3.449941e-05
## CSI022 0.000000e+00 3.227333e-04      0 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI055 2.151417e-05 0.000000e+00      0 6.45425e-05 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
##      0tu03809 0tu03810 0tu03811 0tu03812 0tu03813 0tu03814 0tu03815
## CSI001 0.0000000000      0      0      0      0      0      0
## CSI012 0.0000000000      0      0      0      0      0      0

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## CSI022 0.0000000000      0      0      0      0      0      0
## CSI044 0.0000000000      0      0      0      0      0      0
## CSI055 0.0000000000      0      0      0      0      0      0
## CSI065 0.0000000000      0      0      0      0      0      0
## CSI076 0.0000000000      0      0      0      0      0      0
##      0tu03816      0tu03817 0tu03818 0tu03819      0tu03820 0tu03821
## CSI001      0 0.000000e+00      0      0 0.000000e+00      0
## CSI012      0 1.724971e-05      0      0 5.174912e-05      0
## CSI022      0 2.151556e-05      0      0 6.454667e-05      0
## CSI044      0 0.000000e+00      0      0 0.000000e+00      0
## CSI055      0 0.000000e+00      0      0 0.000000e+00      0
## CSI065      0 0.000000e+00      0      0 0.000000e+00      0
## CSI076      0 0.000000e+00      0      0 0.000000e+00      0
##      0tu03822      0tu03823      0tu03824      0tu03825      0tu03826
## CSI001      0 0.000000e+00 0.00000000000 0.0000000000 0.000000e+00
## CSI012      0 0.000000e+00 0.00000000000 0.0000000000 0.000000e+00
## CSI022      0 0.000000e+00 0.00000000000 0.0000000000 0.000000e+00
## CSI044      0 0.000000e+00 0.00000000000 0.0000000000 0.000000e+00
## CSI055      0 0.000000e+00 0.0002151417 0.0000000000 0.000000e+00
## CSI065      0 7.56401e-05 0.00000000000 0.0000000000 7.564010e-05
## CSI076      0 0.000000e+00 0.0001445337 0.0000000000 0.000000e+00
##      0tu03827 0tu03828 0tu03829 0tu03830 0tu03831 0tu03832      0tu03833
## CSI001      0      0      0      0      0      0 0.0000000000
## CSI012      0      0      0      0      0      0 0.0000000000
## CSI022      0      0      0      0      0      0 0.0000000000
## CSI044      0      0      0      0      0      0 0.0000000000
## CSI055      0      0      0      0      0      0 0.0000000000
## CSI065      0      0      0      0      0      0 0.0000000000
## CSI076      0      0      0      0      0      0 0.000115627
##      0tu03834      0tu03835      0tu03836 0tu03837      0tu03838
## CSI001      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI012      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI022      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI044      0 0.000000e+00 0.000000e+00      0 1.971570e-05
## CSI055      0 0.000000e+00 2.151417e-05      0 0.000000e+00
## CSI065      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI076      0 0.000000e+00 0.000000e+00      0 0.000000e+00
##      0tu03839      0tu03840      0tu03841      0tu03842      0tu03843
## CSI001 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000
## CSI012 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000
## CSI022 0.000000e+00 2.151556e-05 0.000000e+00 4.303111e-05 0.0000000000
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000
## CSI055 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0001936275
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000
## CSI076 2.890675e-05 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000
##      0tu03844 0tu03845      0tu03846 0tu03847      0tu03848 0tu03849
## CSI001 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI012 1.724971e-05      0 0.000000e+00      0 0.000000e+00      0
## CSI022 4.303111e-05      0 0.000000e+00      0 0.000000e+00      0
## CSI044 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI055 0.000000e+00      0 0.000000e+00      0 1.721133e-04      0
## CSI065 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI076 0.000000e+00      0 5.781349e-05      0 0.000000e+00      0
##      0tu03850 0tu03851      0tu03852 0tu03853      0tu03854      0tu03855

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##	CSI001	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI012	0	0 0.000000e+00	0 1.724971e-05	1.724971e-05		
##	CSI022	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI044	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI055	0	0 8.605667e-05	0 0.000000e+00	0.000000e+00		
##	CSI065	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI076	0	0 2.890675e-05	0 0.000000e+00	0.000000e+00		
##	0tu03856	0tu03857	0tu03858	0tu03859	0tu03860		
##	CSI001	0 0.0000000000	0 0.000000e+00	0.000000e+00			
##	CSI012	0 0.0000000000	0 0.000000e+00	0.000000e+00			
##	CSI022	0 0.0000000000	0 0.000000e+00	0.000000e+00			
##	CSI044	0 0.0001577256	0 0.000000e+00	0.000000e+00			
##	CSI055	0 0.0000000000	0 0.000000e+00	2.151417e-05			
##	CSI065	0 0.0000000000	0 0.000000e+00	0.000000e+00			
##	CSI076	0 0.0000000000	0 5.781349e-05	0.000000e+00			
##	0tu03861	0tu03862	0tu03863	0tu03864	0tu03865	0tu03866	0tu03867
##	CSI001	2.345326e-05	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##	0tu03868	0tu03869	0tu03870	0tu03871	0tu03872	0tu03873	0tu03874
##	CSI001	0	0	0	0	0	1.407195e-04
##	CSI012	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	6.454250e-05
##	CSI065	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0.000000e+00
##	0tu03875	0tu03876	0tu03877	0tu03878	0tu03879	0tu03880	
##	CSI001	0.000000e+00	0	0	0 0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0 0.000000e+00	0	
##	CSI022	0.000000e+00	0	0	0 0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0 0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0 8.605667e-05	0	
##	CSI065	0.000000e+00	0	0	0 0.000000e+00	0	
##	CSI076	0.000000e+00	0	0	0 6.648552e-04	0	
##	0tu03881	0tu03882	0tu03883	0tu03884	0tu03885	0tu03886	0tu03887
##	CSI001	0	0	0	0 4.690652e-05	0	0
##	CSI012	0	0	0	0 0.000000e+00	0	0
##	CSI022	0	0	0	0 0.000000e+00	0	0
##	CSI044	0	0	0	0 0.000000e+00	0	0
##	CSI055	0	0	0	0 0.000000e+00	0	0
##	CSI065	0	0	0	0 0.000000e+00	0	0
##	CSI076	0	0	0	0 0.000000e+00	0	0
##	0tu03888	0tu03889	0tu03890	0tu03891	0tu03892	0tu03893	
##	CSI001	0 0.000000e+00	0 4.925184e-04	0	0	0	
##	CSI012	0 0.000000e+00	0 3.449941e-05	0	0	0	
##	CSI022	0 0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI044	0 0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI055	0 6.454250e-05	0 0.000000e+00	0	0	0	
##	CSI065	0 0.000000e+00	0 0.000000e+00	0	0	0	

## CSI076	0	5.781349e-05	0	0.000000e+00	0	0
##	0tu03894	0tu03895	0tu03896	0tu03897	0tu03898	0tu03899
## CSI001	0	0	0	0	0	0.000000e+00
## CSI012	0	0	0	0	0	6.899883e-05
## CSI022	0	0	0	0	0	2.151556e-05
## CSI044	0	0	0	0	0	0.000000e+00
## CSI055	0	0	0	0	0	2.151417e-05
## CSI065	0	0	0	0	0	0.000000e+00
## CSI076	0	0	0	0	0	0.000000e+00
##	0tu03900	0tu03901	0tu03902	0tu03903	0tu03904	0tu03905
## CSI001	0.000000e+00	0	1.407195e-04	0.000000e+00	0	0
## CSI012	0.000000e+00	0	6.899883e-05	0.000000e+00	0	0
## CSI022	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
## CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
## CSI055	0.000000e+00	0	6.454250e-05	2.151417e-05	0	0
## CSI065	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
## CSI076	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	0tu03906	0tu03907	0tu03908	0tu03909	0tu03910	
## CSI001	0	0.000000e+00	0.000000e+00	2.345326e-05	0	
## CSI012	0	1.724971e-05	0.000000e+00	6.899883e-05	0	
## CSI022	0	0.000000e+00	0.000000e+00	4.303111e-05	0	
## CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
## CSI055	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
## CSI065	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
## CSI076	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	0tu03911	0tu03912	0tu03913	0tu03914	0tu03915	
## CSI001	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
## CSI012	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
## CSI022	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
## CSI044	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
## CSI055	0.0000000000	0.000000e+00	0	0.000000e+00	6.454250e-05	
## CSI065	0.0003025604	0.000000e+00	0	0.000000e+00	0.000000e+00	
## CSI076	0.0000000000	2.890675e-05	0	0.000000e+00	0.000000e+00	
##	0tu03916	0tu03917	0tu03918	0tu03919	0tu03920	0tu03921
## CSI001	4.690652e-05	0	0	0	0.0000000000	0
## CSI012	1.724971e-05	0	0	0	0.0000000000	0
## CSI022	0.000000e+00	0	0	0	0.0000000000	0
## CSI044	0.000000e+00	0	0	0	0.0000000000	0
## CSI055	0.000000e+00	0	0	0	0.0000000000	0
## CSI065	0.000000e+00	0	0	0	0.0000000000	0
## CSI076	0.000000e+00	0	0	0	0.0000000000	0
##	0tu03922	0tu03923	0tu03924	0tu03925	0tu03926	0tu03927
## CSI001	0	0	0	0	0	4.690652e-05
## CSI012	0	0	0	0	0	0.000000e+00
## CSI022	0	0	0	0	0	0.000000e+00
## CSI044	0	0	0	0	0	0.000000e+00
## CSI055	0	0	0	0	0	0.000000e+00
## CSI065	0	0	0	0	0	0.000000e+00
## CSI076	0	0	0	0	0	0.000000e+00
##	0tu03928	0tu03929	0tu03930	0tu03931	0tu03932	0tu03933
## CSI001	0.000000e+00	0	0	0.000000e+00	0	0.0000000000
## CSI012	0.000000e+00	0	0	0.000000e+00	0	0.0000000000
## CSI022	0.000000e+00	0	0	0.000000e+00	0	0.0000000000
## CSI044	0.000000e+00	0	0	0.000000e+00	0	0.0000000000

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## CSI055 1.075708e-04      0      0 2.151417e-05      0 0.0000000000
## CSI065 0.000000e+00      0      0 0.000000e+00      0 0.0000000000
## CSI076 0.000000e+00      0      0 2.890675e-05      0 0.0000000000
##      0tu03934      0tu03935 0tu03936      0tu03937      0tu03938 0tu03939
## CSI001      0 4.690652e-05      0 2.345326e-05 0.000000e+00      0
## CSI012      0 1.034982e-04      0 0.000000e+00 1.724971e-05      0
## CSI022      0 1.936400e-04      0 0.000000e+00 0.000000e+00      0
## CSI044      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI055      0 0.000000e+00      0 2.151417e-05 0.000000e+00      0
## CSI065      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI076      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
##      0tu03940 0tu03941 0tu03942 0tu03943 0tu03944 0tu03945 0tu03946
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu03947      0tu03948      0tu03949      0tu03950 0tu03951
## CSI001 2.345326e-05 2.345326e-05 0.000000e+00 0.000000e+00      0
## CSI012 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI022 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI044 0.000000e+00 0.000000e+00 3.943140e-05 0.000000e+00      0
## CSI055 4.302833e-05 0.000000e+00 2.581700e-04 0.000000e+00      0
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI076 0.000000e+00 0.000000e+00 8.672024e-05 0.000000e+00      0
##      0tu03952 0tu03953      0tu03954 0tu03955      0tu03956 0tu03957
## CSI001      0      0 4.690652e-05      0 0.000000e+00      0
## CSI012      0      0 0.000000e+00      0 0.000000e+00      0
## CSI022      0      0 0.000000e+00      0 2.151556e-05      0
## CSI044      0      0 0.000000e+00      0 0.000000e+00      0
## CSI055      0      0 0.000000e+00      0 0.000000e+00      0
## CSI065      0      0 0.000000e+00      0 0.000000e+00      0
## CSI076      0      0 0.000000e+00      0 8.672024e-05      0
##      0tu03958      0tu03959 0tu03960      0tu03961      0tu03962
## CSI001      0 0.0000000000      0 1.172663e-04 0.0000000000
## CSI012      0 0.0000000000      0 3.449941e-05 0.0000000000
## CSI022      0 0.0000000000      0 0.000000e+00 0.0000000000
## CSI044      0 0.0000000000      0 0.000000e+00 0.0000000000
## CSI055      0 0.0001075708      0 2.151417e-05 0.0000000000
## CSI065      0 0.0000000000      0 0.000000e+00 0.001096782
## CSI076      0 0.0000000000      0 0.000000e+00 0.0000000000
##      0tu03963 0tu03964 0tu03965 0tu03966      0tu03967 0tu03968
## CSI001 2.345326e-05      0      0      0 1.876261e-04      0
## CSI012 1.724971e-05      0      0      0 3.449941e-05      0
## CSI022 2.151556e-05      0      0      0 2.151556e-05      0
## CSI044 1.971570e-05      0      0      0 0.000000e+00      0
## CSI055 0.000000e+00      0      0      0 0.000000e+00      0
## CSI065 0.000000e+00      0      0      0 0.000000e+00      0
## CSI076 2.890675e-05      0      0      0 0.000000e+00      0
##      0tu03969 0tu03970 0tu03971      0tu03972      0tu03973 0tu03974
## CSI001      0      0      0 9.381303e-05 2.345326e-05      0
## CSI012      0      0      0 3.449941e-05 1.207479e-04      0

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##	CSI022	0	0	0	6.454667e-05	8.606222e-05	0
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu03975	0tu03976	0tu03977	0tu03978	0tu03979	0tu03980
##	CSI001	0.000000e+00	0	0.0000000000	0	0	0
##	CSI012	0.000000e+00	0	0.0000000000	0	0	0
##	CSI022	0.000000e+00	0	0.0000000000	0	0	0
##	CSI044	0.000000e+00	0	0.0000000000	0	0	0
##	CSI055	1.505992e-04	0	0.0000645425	0	0	0
##	CSI065	0.000000e+00	0	0.0000000000	0	0	0
##	CSI076	2.890675e-05	0	0.0002023472	0	0	0
##		0tu03981	0tu03982	0tu03983	0tu03984	0tu03985	0tu03986
##	CSI001	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI012	0	0	1.724971e-05	0.000000e+00	0	0
##	CSI022	0	0	5.378889e-04	0.000000e+00	0	0
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI055	0	0	0.000000e+00	2.151417e-05	0	0
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu03987	0tu03988	0tu03989	0tu03990	0tu03991	0tu03992 0tu03993
##	CSI001	0	0	0	0	0	0.000000e+00 0
##	CSI012	0	0	0	0	0	0.000000e+00 0
##	CSI022	0	0	0	0	0	0.000000e+00 0
##	CSI044	0	0	0	0	0	0.000000e+00 0
##	CSI055	0	0	0	0	0	0.000000e+00 0
##	CSI065	0	0	0	0	0	0.000000e+00 0
##	CSI076	0	0	0	0	0	0.000000e+00 0
##		0tu03994	0tu03995	0tu03996	0tu03997	0tu03998	0tu03999
##	CSI001	0	0	0	0	7.035977e-05	0.000000e+00
##	CSI012	0	0	0	0	1.724971e-05	0.000000e+00
##	CSI022	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI055	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI076	0	0	0	0	5.781349e-05	0.000000e+00
##		0tu04000	0tu04001	0tu04002	0tu04003	0tu04004	0tu04005
##	CSI001	2.345326e-05	0	0	0.000000e+00	0.000000e+00	0
##	CSI012	5.174912e-05	0	0	0.000000e+00	0.000000e+00	0
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI055	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI076	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##		0tu04006	0tu04007	0tu04008	0tu04009	0tu04010	0tu04011
##	CSI001	0	0	2.345326e-05	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0
##		0tu04012	0tu04013	0tu04014	0tu04015	0tu04016	0tu04017

##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0	0	3.449941e-05	0	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI055	2.151417e-05	0	0	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0	
##		0tu04018	0tu04019	0tu04020	0tu04021	0tu04022	0tu04023	0tu04024
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	8.624853e-05
##	CSI022	0	0	0	0	0	0	8.606222e-05
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu04025	0tu04026	0tu04027	0tu04028	0tu04029	0tu04030	
##	CSI001	0.0000000000	0	0	0	0.000000e+00	0.000000e+00	
##	CSI012	0.0000000000	0	0	0	0.000000e+00	0.000000e+00	
##	CSI022	0.0000000000	0	0	0	0.000000e+00	0.000000e+00	
##	CSI044	0.0001774413	0	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0.0000000000	0	0	0	0.000000e+00	0.000000e+00	
##	CSI065	0.0000000000	0	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0.0000000000	0	0	0	0.000000e+00	0.000000e+00	
##		0tu04031	0tu04032	0tu04033	0tu04034	0tu04035	0tu04036	
##	CSI001	0.000000e+00	0	0.0000000000	0	0	0	
##	CSI012	0.000000e+00	0	0.0000000000	0	0	0	
##	CSI022	0.000000e+00	0	0.0000000000	0	0	0	
##	CSI044	0.000000e+00	0	0.0000000000	0	0	0	
##	CSI055	0.000000e+00	0	0.0000000000	0	0	0	
##	CSI065	0.000000e+00	0	0.0000000000	0	0	0	
##	CSI076	3.757877e-04	0	0.0001445337	0	0	0	
##		0tu04037	0tu04038	0tu04039	0tu04040	0tu04041	0tu04042	0tu04043
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	2.890675e-05	0
##		0tu04044	0tu04045	0tu04046	0tu04047	0tu04048		
##	CSI001	0.0000000000	0.0000000000	0	0	7.035977e-05		
##	CSI012	0.0000000000	0.0000000000	0	0	0.000000e+00		
##	CSI022	0.0000000000	0.0000000000	0	0	0.000000e+00		
##	CSI044	0.0000000000	0.0000788628	0	0	0.000000e+00		
##	CSI055	0.0000000000	0.0000000000	0	0	0.000000e+00		
##	CSI065	0.0000000000	0.0001512802	0	0	0.000000e+00		
##	CSI076	0.0000000000	0.0002312540	0	0	0.000000e+00		
##		0tu04049	0tu04050	0tu04051	0tu04052	0tu04053		
##	CSI001	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0		
##	CSI012	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0		
##	CSI022	0.000000e+00	2.151556e-05	0.000000e+00	0.000000e+00	0		
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0		
##	CSI055	8.605667e-05	0.000000e+00	8.605667e-05	0.000000e+00	0		
##	CSI065	3.782005e-05	0.000000e+00	0.000000e+00	0.000000e+00	0		

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## CSI076 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0
##      0tu04054 0tu04055 0tu04056 0tu04057 0tu04058 0tu04059 0tu04060
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu04061      0tu04062      0tu04063      0tu04064 0tu04065
## CSI001      0 0.000000e+00 0.000000e+00 9.381303e-05      0
## CSI012      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI022      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI044      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI055      0 0.000000e+00 2.151417e-05 0.000000e+00      0
## CSI065      0 0.000000e+00 3.782005e-05 0.000000e+00      0
## CSI076      0 2.890675e-05 8.672024e-05 0.000000e+00      0
##      0tu04066 0tu04067      0tu04068 0tu04069 0tu04070      0tu04071
## CSI001 0.000000e+00      0 0.000000e+00      0      0 4.690652e-05
## CSI012 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI022 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI044 0.000000e+00      0 1.971570e-05      0      0 0.000000e+00
## CSI055 1.505992e-04      0 1.505992e-04      0      0 0.000000e+00
## CSI065 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI076 0.000000e+00      0 2.890675e-05      0      0 0.000000e+00
##      0tu04072 0tu04073 0tu04074 0tu04075 0tu04076      0tu04077 0tu04078
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 2.151417e-05      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu04079 0tu04080      0tu04081      0tu04082 0tu04083      0tu04084
## CSI001      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI012      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI022      0      0 0.000000e+00 2.151556e-05      0 0.000000e+00
## CSI044      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI055      0      0 8.605667e-05 0.000000e+00      0 0.000000e+00
## CSI065      0      0 0.000000e+00 0.000000e+00      0 3.782005e-04
## CSI076      0      0 0.000000e+00 0.000000e+00      0 2.890675e-05
##      0tu04085      0tu04086      0tu04087 0tu04088 0tu04089      0tu04090
## CSI001      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI012      0 3.449941e-05 0.000000e+00      0      0 0.000000e+00
## CSI022      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI044      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI055      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI065      0 0.000000e+00 7.564010e-05      0      0 3.782005e-05
## CSI076      0 0.000000e+00 0.000000e+00      0      0 5.781349e-05
##      0tu04091 0tu04092      0tu04093 0tu04094 0tu04095 0tu04096 0tu04097
## CSI001      0      0 1.172663e-04      0      0      0      0
## CSI012      0      0 1.724971e-05      0      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0      0

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## CSI055      0      0 0.000000e+00      0      0      0      0
## CSI065      0      0 3.782005e-05      0      0      0      0
## CSI076      0      0 2.890675e-05      0      0      0      0
##          0tu04098 0tu04099      0tu04100 0tu04101 0tu04102      0tu04103
## CSI001 0.0001172663      0 2.345326e-05      0      0 0.000000e+00
## CSI012 0.0001034982      0 0.000000e+00      0      0 0.000000e+00
## CSI022 0.0000000000      0 2.151556e-05      0      0 0.000000e+00
## CSI044 0.0000000000      0 0.000000e+00      0      0 0.000000e+00
## CSI055 0.0000000000      0 0.000000e+00      0      0 0.000000e+00
## CSI065 0.0000000000      0 0.000000e+00      0      0 0.000000e+00
## CSI076 0.0000000000      0 0.000000e+00      0      0 0.000000e+00
##          0tu04104 0tu04105 0tu04106 0tu04107 0tu04108      0tu04109 0tu04110
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 1.724971e-05      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##          0tu04111      0tu04112      0tu04113 0tu04114      0tu04115 0tu04116
## CSI001      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI012      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI022      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI044      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI055      0 8.605667e-05 4.302833e-05      0 3.227125e-04      0
## CSI065      0 0.000000e+00 3.782005e-05      0 0.000000e+00      0
## CSI076      0 0.000000e+00 2.890675e-05      0 2.890675e-05      0
##          0tu04117      0tu04118      0tu04119 0tu04120 0tu04121      0tu04122
## CSI001      0 2.345326e-05 0.000000e+00      0      0 2.345326e-05
## CSI012      0 0.000000e+00 0.000000e+00      0      0 8.624853e-05
## CSI022      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI044      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI055      0 0.000000e+00 2.151417e-05      0      0 0.000000e+00
## CSI065      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI076      0 2.890675e-05 0.000000e+00      0      0 0.000000e+00
##          0tu04123      0tu04124 0tu04125 0tu04126      0tu04127      0tu04128
## CSI001      0 0.0000000000      0      0 0.000000e+00 0.0000000000
## CSI012      0 0.0001552474      0      0 8.624853e-05 0.0000000000
## CSI022      0 0.0000000000      0      0 0.000000e+00 0.0000000000
## CSI044      0 0.0000000000      0      0 0.000000e+00 0.0000000000
## CSI055      0 0.0000000000      0      0 0.000000e+00 0.0000000000
## CSI065      0 0.0000000000      0      0 0.000000e+00 0.0009455013
## CSI076      0 0.0000000000      0      0 0.000000e+00 0.0000000000
##          0tu04129 0tu04130      0tu04131 0tu04132 0tu04133 0tu04134 0tu04135
## CSI001      0      0 4.690652e-05      0      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0      0
## CSI055      0      0 2.151417e-05      0      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0      0
## CSI076      0      0 5.492282e-04      0      0      0      0
##          0tu04136 0tu04137 0tu04138 0tu04139      0tu04140      0tu04141
## CSI001      0      0      0      0 4.690652e-05 0.000000e+00
## CSI012      0      0      0      0 0.000000e+00 0.000000e+00

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##	CSI022	0	0	0	0	2.151556e-05	0.000000e+00
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI055	0	0	0	0	0.000000e+00	4.302833e-05
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI076	0	0	0	0	0.000000e+00	0.000000e+00
##		0tu04142	0tu04143	0tu04144	0tu04145	0tu04146	0tu04147
##	CSI001	0	0	0	9.381303e-05	0	0
##	CSI012	0	0	0	1.034982e-04	0	0
##	CSI022	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0.000000e+00	0	0
##		0tu04148	0tu04149	0tu04150	0tu04151	0tu04152	
##	CSI001	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI012	0.0000000000	1.724971e-05	0	0.000000e+00	0.000000e+00	
##	CSI022	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI044	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI055	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI065	0.0001891003	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI076	0.0000000000	0.000000e+00	0	8.672024e-05	0.000000e+00	
##		0tu04153	0tu04154	0tu04155	0tu04156	0tu04157	0tu04158
##	CSI001	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	2.151556e-05	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0
##		0tu04160	0tu04161	0tu04162	0tu04163	0tu04164	0tu04165
##	CSI001	0	0.0000000000	0	0.000000e+00	0.0000000000	0
##	CSI012	0	0.0000000000	0	1.724971e-05	0.0003622438	0
##	CSI022	0	0.0000000000	0	0.000000e+00	0.0000000000	0
##	CSI044	0	0.0000000000	0	0.000000e+00	0.0000000000	0
##	CSI055	0	0.0000000000	0	2.366558e-04	0.0000000000	0
##	CSI065	0	0.0000000000	0	0.000000e+00	0.0000000000	0
##	CSI076	0	0.0001156270	0	0.000000e+00	0.0000000000	0
##		0tu04166	0tu04167	0tu04168	0tu04169	0tu04170	
##	CSI001	0.000000e+00	0.000000e+00	0.0000000000	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0.0000000000	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0.0000000000	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0.0004731768	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0.0000000000	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0.0000000000	0	0	
##	CSI076	0.000000e+00	0.000000e+00	0.0000000000	0	0	
##		0tu04171	0tu04172	0tu04173	0tu04174	0tu04175	0tu04176
##	CSI001	0.000000e+00	0	0	0	2.345326e-05	0
##	CSI012	3.449941e-05	0	0	0	0.000000e+00	0
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI076	1.156270e-04	0	0	0	0.000000e+00	0
##		0tu04177	0tu04178	0tu04179	0tu04180	0tu04181	

##	CSI001	2.345326e-05	0.000000e+00	2.345326e-05	0	0		
##	CSI012	0.000000e+00	1.724971e-05	3.449941e-05	0	0		
##	CSI022	0.000000e+00	0.000000e+00	0.000000e+00	0	0		
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0		
##	CSI055	0.000000e+00	4.302833e-05	0.000000e+00	0	0		
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0		
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0		
##		0tu04182	0tu04183	0tu04184	0tu04185	0tu04186	0tu04187	
##	CSI001	9.381303e-05	0	7.035977e-05	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0	0.000000e+00	3.449941e-04	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##		0tu04188	0tu04189	0tu04190	0tu04191	0tu04192	0tu04193	
##	CSI001	2.345326e-05	0	2.345326e-05	0	2.345326e-05	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	4.625079e-04	0	
##		0tu04194	0tu04195	0tu04196	0tu04197	0tu04198	0tu04199	
##	CSI001	0	0.000000e+00	0	1.641728e-04	0	0	
##	CSI012	0	1.724971e-05	0	1.724971e-05	0	0	
##	CSI022	0	4.303111e-05	0	0.000000e+00	0	0	
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI055	0	0.000000e+00	0	6.454250e-05	0	0	
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI076	0	5.781349e-05	0	0.000000e+00	0	0	
##		0tu04200	0tu04201	0tu04202	0tu04203	0tu04204	0tu04205	
##	CSI001	0	0.0000000000	0.000000e+00	0	0	0	
##	CSI012	0	0.0000000000	0.000000e+00	0	0	0	
##	CSI022	0	0.0000000000	2.151556e-05	0	0	0	
##	CSI044	0	0.0000000000	0.000000e+00	0	0	0	
##	CSI055	0	0.0000000000	0.000000e+00	0	0	0	
##	CSI065	0	0.0000000000	0.000000e+00	0	0	0	
##	CSI076	0	0.0000000000	0.000000e+00	0	0	0	
##		0tu04206	0tu04207	0tu04208	0tu04209	0tu04210	0tu04211	0tu04212
##	CSI001	0	4.690652e-05	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu04213	0tu04214	0tu04215	0tu04216	0tu04217	0tu04218	0tu04219
##	CSI001	0	0	0	0	0.0000000000	0	0
##	CSI012	0	0	0	0	0.0000000000	0	0
##	CSI022	0	0	0	0	0.0000000000	0	0
##	CSI044	0	0	0	0	0.0000000000	0	0
##	CSI055	0	0	0	0	0.0002796842	0	0
##	CSI065	0	0	0	0	0.0000000000	0	0

##	CSI076	0	0	0	0	0.0000000000	0	0
##		0tu04220	0tu04221	0tu04222	0tu04223	0tu04224	0tu04225	
##	CSI001	0	0	0	0.000000e+00	4.690652e-05	0	
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI076	0	0	0	1.156270e-04	0.000000e+00	0	
##		0tu04226	0tu04227	0tu04228	0tu04229	0tu04230		
##	CSI001	9.381303e-05		0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI012	3.449941e-05		0	0.000000e+00	0.000000e+00	1.724971e-05	
##	CSI022	0.000000e+00		0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI044	0.000000e+00		0	1.97157e-05	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00		0	0.000000e+00	8.605667e-05	0.000000e+00	
##	CSI065	0.000000e+00		0	0.000000e+00	3.782005e-05	0.000000e+00	
##	CSI076	0.000000e+00		0	0.000000e+00	1.734405e-04	0.000000e+00	
##		0tu04231	0tu04232	0tu04233	0tu04234	0tu04235	0tu04236	
##	CSI001	0	0.000000e+00	0.000000e+00	0	2.345326e-05	0	
##	CSI012	0	1.724971e-05	0.000000e+00	0	8.624853e-05	0	
##	CSI022	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0.000000e+00	2.151417e-05	0	1.290850e-04	0	
##	CSI065	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##		0tu04237	0tu04238	0tu04239	0tu04240	0tu04241	0tu04242	0tu04243
##	CSI001	0	0	0	3.517989e-04	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu04244	0tu04245	0tu04246	0tu04247	0tu04248	0tu04249	
##	CSI001	0	0	0	0	4.690652e-05	0	
##	CSI012	0	0	0	0	1.724971e-05	0	
##	CSI022	0	0	0	0	6.454667e-05	0	
##	CSI044	0	0	0	0	0.000000e+00	0	
##	CSI055	0	0	0	0	0.000000e+00	0	
##	CSI065	0	0	0	0	0.000000e+00	0	
##	CSI076	0	0	0	0	0.000000e+00	0	
##		0tu04250	0tu04251	0tu04252	0tu04253	0tu04254		
##	CSI001	0.0000000000		0	0.0000000000	0	0.000000e+00	
##	CSI012	0.0000000000		0	0.0000000000	0	0.000000e+00	
##	CSI022	0.0000000000		0	0.0000000000	0	0.000000e+00	
##	CSI044	0.0000000000		0	0.0000000000	0	0.000000e+00	
##	CSI055	0.0000000000		0	0.0000000000	0	0.000000e+00	
##	CSI065	0.0000000000		0	0.0000000000	0	0.000000e+00	
##	CSI076	0.0000000000		0	0.0000000000	0	0.000000e+00	
##		0tu04255	0tu04256	0tu04257	0tu04258	0tu04259	0tu04260	
##	CSI001	0.000000e+00		0	7.035977e-05	0	0	0
##	CSI012	0.000000e+00		0	0.000000e+00	0	0	0
##	CSI022	0.000000e+00		0	2.151556e-05	0	0	0
##	CSI044	0.000000e+00		0	0.000000e+00	0	0	0

##	CSI055	1.290850e-04	0	2.151417e-05	0	0	0
##	CSI065	1.134602e-04	0	0.000000e+00	0	0	0
##	CSI076	2.890675e-05	0	0.000000e+00	0	0	0
##		0tu04261	0tu04262	0tu04263	0tu04264	0tu04265	0tu04266
##	CSI001	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	8.606222e-05	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0
##		0tu04268	0tu04269	0tu04270	0tu04271	0tu04272	0tu04273
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu04275	0tu04276	0tu04277	0tu04278	0tu04279	0tu04280
##	CSI001	0	1.172663e-04	0	0.000000e+00	1.876261e-04	0
##	CSI012	0	1.379977e-04	0	0.000000e+00	8.624853e-05	0
##	CSI022	0	6.454667e-05	0	0.000000e+00	0.000000e+00	0
##	CSI044	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI055	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI065	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI076	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##		0tu04281	0tu04282	0tu04283	0tu04284	0tu04285	0tu04286
##	CSI001	0.0000000000	0	0	0	0	0.0000000000
##	CSI012	0.0000000000	0	0	0	0	0.0000000000
##	CSI022	0.0000000000	0	0	0	0	0.0006024356
##	CSI044	0.0000000000	0	0	0	0	0.0000000000
##	CSI055	0.0000645425	0	0	0	0	0.0000000000
##	CSI065	0.0000000000	0	0	0	0	0.0000000000
##	CSI076	0.0004625079	0	0	0	0	0.0000000000
##		0tu04287	0tu04288	0tu04289	0tu04290	0tu04291	0tu04292
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI012	0	0	0	1.724971e-05	0	0.000000e+00
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00
##		0tu04293	0tu04294	0tu04295	0tu04296	0tu04297	0tu04298
##	CSI001	0	0	0.000000e+00	0	4.690652e-05	0.000000e+00
##	CSI012	0	0	0.000000e+00	0	5.174912e-05	0.000000e+00
##	CSI022	0	0	0.000000e+00	0	2.151556e-05	0.000000e+00
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI055	0	0	2.151417e-05	0	0.000000e+00	0.000000e+00
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	1.156270e-04
##		0tu04299	0tu04300	0tu04301	0tu04302	0tu04303	0tu04304
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI012	0	1.724971e-05	0.000000e+00	0	0	0

##	CSI022	0	6.454667e-05	0.000000e+00	0	0	0
##	CSI044	0	0.000000e+00	3.943140e-05	0	0	0
##	CSI055	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI065	0	0.000000e+00	3.782005e-05	0	0	0
##	CSI076	0	2.890675e-05	2.890675e-04	0	0	0
##		0tu04305	0tu04306	0tu04307	0tu04308	0tu04309	0tu04310
##	CSI001	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI012	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI022	0	0	2.151556e-05	0.000000e+00	0	0
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI055	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu04311	0tu04312	0tu04313	0tu04314	0tu04315	0tu04316
##	CSI001	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI012	0	0	0	6.899883e-05	0.000000e+00	0
##	CSI022	0	0	0	0.000000e+00	2.151556e-05	0
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI055	0	0	0	0.000000e+00	2.151417e-05	0
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu04317	0tu04318	0tu04319	0tu04320	0tu04321	0tu04322
##	CSI001	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI012	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI055	4.302833e-05	1.075708e-04	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI076	0.000000e+00	5.781349e-05	0	0	0.000000e+00	0
##		0tu04323	0tu04324	0tu04325	0tu04326	0tu04327	0tu04328
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI012	1.724971e-05	0	0	0	0.000000e+00	0
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI076	0.000000e+00	0	0	0	8.672024e-05	0
##		0tu04329	0tu04330	0tu04331	0tu04332	0tu04333	0tu04334
##	CSI001	0.000000e+00	0	4.690652e-05	0	0	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI044	0.000000e+00	0	1.971570e-05	0	0	0
##	CSI055	2.151417e-05	0	6.454250e-05	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI076	2.312540e-04	0	0.000000e+00	0	0	0
##		0tu04335	0tu04336	0tu04337	0tu04338	0tu04339	0tu04340
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI012	0	5.174912e-05	0.000000e+00	0	0	0
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI055	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0
##		0tu04341	0tu04342	0tu04343	0tu04344	0tu04345	

##	CSI001	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI012	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI022	0	0.000000e+00	0	2.151556e-05	4.303111e-05		
##	CSI044	0	0.000000e+00	0	9.857850e-05	0.000000e+00		
##	CSI055	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI065	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI076	0	0.000000e+00	0	2.890675e-05	0.000000e+00		
##		0tu04346	0tu04347	0tu04348	0tu04349	0tu04350	0tu04351	
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI055	4.302833e-05	0.000000e+00	0	0	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI076	8.672024e-05	2.890675e-05	0	0	0	0	
##		0tu04352	0tu04353	0tu04354	0tu04355	0tu04356		
##	CSI001	2.345326e-05	0	0	0.000000e+00	0.000000e+00		
##	CSI012	3.449941e-05	0	0	5.174912e-05	0.000000e+00		
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.000000e+00		
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00		
##	CSI055	0.000000e+00	0	0	6.454250e-05	4.302833e-05		
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.000000e+00		
##	CSI076	0.000000e+00	0	0	8.672024e-05	0.000000e+00		
##		0tu04357	0tu04358	0tu04359	0tu04360	0tu04361		
##	CSI001	0.000000e+00	0	2.345326e-05	2.345326e-05	0		
##	CSI012	1.724971e-05	0	0.000000e+00	3.449941e-05	0		
##	CSI022	0.000000e+00	0	0.000000e+00	4.303111e-05	0		
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0		
##	CSI055	0.000000e+00	0	0.000000e+00	0.000000e+00	0		
##	CSI065	0.000000e+00	0	0.000000e+00	0.000000e+00	0		
##	CSI076	0.000000e+00	0	0.000000e+00	0.000000e+00	0		
##		0tu04362	0tu04363	0tu04364	0tu04365	0tu04366		
##	CSI001	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0		
##	CSI012	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0		
##	CSI022	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0		
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0		
##	CSI055	0.000000e+00	4.302833e-05	0.000000e+00	0.0000000000	0		
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0		
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0		
##		0tu04367	0tu04368	0tu04369	0tu04370	0tu04371	0tu04372	
##	CSI001	0	0	0	0.000000e+00	0.0000000000	0	
##	CSI012	0	0	0	0.000000e+00	0.0000000000	0	
##	CSI022	0	0	0	4.303111e-05	0.0000000000	0	
##	CSI044	0	0	0	0.000000e+00	0.0000000000	0	
##	CSI055	0	0	0	0.000000e+00	0.0000000000	0	
##	CSI065	0	0	0	0.000000e+00	0.0000000000	0	
##	CSI076	0	0	0	0.000000e+00	0.0000000000	0	
##		0tu04373	0tu04374	0tu04375	0tu04376	0tu04377	0tu04378	0tu04379
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	2.151417e-05	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0

## CSI076	0	0.000000e+00	0	0	0	0	0
##	0tu04380	0tu04381	0tu04382	0tu04383	0tu04384	0tu04385	
## CSI001	0	1.172663e-04	0	0.000000e+00	0	0	
## CSI012	0	8.624853e-05	0	5.174912e-05	0	0	
## CSI022	0	0.000000e+00	0	0.000000e+00	0	0	
## CSI044	0	0.000000e+00	0	0.000000e+00	0	0	
## CSI055	0	0.000000e+00	0	4.302833e-05	0	0	
## CSI065	0	0.000000e+00	0	0.000000e+00	0	0	
## CSI076	0	0.000000e+00	0	0.000000e+00	0	0	
##	0tu04386	0tu04387	0tu04388	0tu04389	0tu04390	0tu04391	0tu04392
## CSI001	0	0	0	0	0	0	9.381303e-05
## CSI012	0	0	0	0	0	0	1.724971e-05
## CSI022	0	0	0	0	0	0	2.151556e-05
## CSI044	0	0	0	0	0	0	0.000000e+00
## CSI055	0	0	0	0	0	0	0.000000e+00
## CSI065	0	0	0	0	0	0	0.000000e+00
## CSI076	0	0	0	0	0	0	0.000000e+00
##	0tu04393	0tu04394	0tu04395	0tu04396	0tu04397	0tu04398	
## CSI001	0	0.000000e+00	0.000000e+00	0	0	0	
## CSI012	0	0.000000e+00	0.000000e+00	0	0	0	
## CSI022	0	0.000000e+00	0.000000e+00	0	0	0	
## CSI044	0	0.000000e+00	0.000000e+00	0	0	0	
## CSI055	0	0.000000e+00	0.000000e+00	0	0	0	
## CSI065	0	0.000000e+00	0.000000e+00	0	0	0	
## CSI076	0	0.000000e+00	2.890675e-05	0	0	0	
##	0tu04399	0tu04400	0tu04401	0tu04402	0tu04403	0tu04404	
## CSI001	0	0.000000e+00	0	0.000000e+00	0	0	
## CSI012	0	0.000000e+00	0	0.000000e+00	0	0	
## CSI022	0	0.000000e+00	0	0.000000e+00	0	0	
## CSI044	0	0.000000e+00	0	1.97157e-05	0	0	
## CSI055	0	0.000000e+00	0	0.000000e+00	0	0	
## CSI065	0	0.000000e+00	0	0.000000e+00	0	0	
## CSI076	0	0.000000e+00	0	0.000000e+00	0	0	
##	0tu04405	0tu04406	0tu04407	0tu04408	0tu04409	0tu04410	0tu04411
## CSI001	0	0	0	0.000000e+00	0	0	0
## CSI012	0	0	0	0.000000e+00	0	0	0
## CSI022	0	0	0	0.000000e+00	0	0	0
## CSI044	0	0	0	0.000000e+00	0	0	0
## CSI055	0	0	0	4.302833e-05	0	0	0
## CSI065	0	0	0	0.000000e+00	0	0	0
## CSI076	0	0	0	0.000000e+00	0	0	0
##	0tu04412	0tu04413	0tu04414	0tu04415	0tu04416	0tu04417	
## CSI001	0	0	0	0.000000e+00	0	0	
## CSI012	0	0	0	0.000000e+00	0	0	
## CSI022	0	0	0	0.000000e+00	0	0	
## CSI044	0	0	0	0.000000e+00	0	0	
## CSI055	0	0	0	2.151417e-05	0	0	
## CSI065	0	0	0	0.000000e+00	0	0	
## CSI076	0	0	0	0.000000e+00	0	0	
##	0tu04418	0tu04419	0tu04420	0tu04421	0tu04422	0tu04423	
## CSI001	0.000000e+00	0	0.000000e+00	0.0000000000	0	0	
## CSI012	0.000000e+00	0	0.000000e+00	0.0000000000	0	0	
## CSI022	0.000000e+00	0	0.000000e+00	0.0000000000	0	0	
## CSI044	0.000000e+00	0	0.000000e+00	0.0000000000	0	0	

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## CSI055 0.00000e+00      0 0.000000e+00 0.0000000000      0      0
## CSI065 0.00000e+00      0 0.000000e+00 0.0001134602      0      0
## CSI076 0.00000e+00      0 0.000000e+00 0.0000000000      0      0
##      0tu04424      0tu04425 0tu04426 0tu04427      0tu04428 0tu04429
## CSI001      0 0.000000e+00      0      0 0.000000e+00      0
## CSI012      0 0.000000e+00      0      0 0.000000e+00      0
## CSI022      0 0.000000e+00      0      0 0.000000e+00      0
## CSI044      0 0.000000e+00      0      0 1.971570e-05      0
## CSI055      0 0.000000e+00      0      0 0.000000e+00      0
## CSI065      0 3.782005e-05      0      0 0.000000e+00      0
## CSI076      0 0.000000e+00      0      0 8.672024e-05      0
##      0tu04430      0tu04431      0tu04432      0tu04433      0tu04434
## CSI001      0 0.000000e+00 0.0000000000 0.000000e+00 0.0000000000
## CSI012      0 1.724971e-05 0.0000000000 0.000000e+00 0.0000000000
## CSI022      0 0.000000e+00 0.0000000000 0.000000e+00 0.0000000000
## CSI044      0 0.000000e+00 0.0000000000 0.000000e+00 0.0000000000
## CSI055      0 0.000000e+00 0.0003011983 2.151417e-05 0.0001505992
## CSI065      0 0.000000e+00 0.0000000000 0.000000e+00 0.0000000000
## CSI076      0 0.000000e+00 0.0000000000 1.156270e-04 0.0000000000
##      0tu04435 0tu04436 0tu04437      0tu04438 0tu04439      0tu04440
## CSI001      0      0      0 0.000000e+00      0 0.000000e+00
## CSI012      0      0      0 3.449941e-04      0 0.000000e+00
## CSI022      0      0      0 0.000000e+00      0 0.000000e+00
## CSI044      0      0      0 0.000000e+00      0 0.000000e+00
## CSI055      0      0      0 0.000000e+00      0 0.000000e+00
## CSI065      0      0      0 0.000000e+00      0 0.000000e+00
## CSI076      0      0      0 0.000000e+00      0 0.000000e+00
##      0tu04441 0tu04442 0tu04443 0tu04444 0tu04445      0tu04446
## CSI001      0      0      0      0      0 0.00000e+00
## CSI012      0      0      0      0      0 0.00000e+00
## CSI022      0      0      0      0      0 0.00000e+00
## CSI044      0      0      0      0      0 0.00000e+00
## CSI055      0      0      0      0      0 0.00000e+00
## CSI065      0      0      0      0      0 0.00000e+00
## CSI076      0      0      0      0      0 0.00000e+00
##      0tu04447      0tu04448 0tu04449 0tu04450      0tu04451
## CSI001 0.000000e+00 2.345326e-05      0      0 4.690652e-05
## CSI012 0.000000e+00 1.724971e-05      0      0 3.449941e-05
## CSI022 0.000000e+00 4.303111e-05      0      0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI055 1.075708e-04 2.151417e-05      0      0 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00      0      0 0.000000e+00
##      0tu04452      0tu04453 0tu04454 0tu04455 0tu04456 0tu04457
## CSI001 0.000000e+00 0.0000000000      0      0      0      0
## CSI012 0.000000e+00 0.0000000000      0      0      0      0
## CSI022 0.000000e+00 0.0000000000      0      0      0      0
## CSI044 0.000000e+00 0.0000000000      0      0      0      0
## CSI055 0.000000e+00 0.0003011983      0      0      0      0
## CSI065 0.000000e+00 0.0000000000      0      0      0      0
## CSI076 2.890675e-05 0.0000000000      0      0      0      0
##      0tu04458 0tu04459 0tu04460 0tu04461      0tu04462 0tu04463
## CSI001 0.000000e+00      0      0      0 0.0000000000      0
## CSI012 1.724971e-05      0      0      0 0.0000000000      0

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## CSI022 0.000000e+00      0      0      0 0.0000000000      0
## CSI044 0.000000e+00      0      0      0 0.0000000000      0
## CSI055 0.000000e+00      0      0      0 0.0001936275      0
## CSI065 0.000000e+00      0      0      0 0.0000000000      0
## CSI076 0.000000e+00      0      0      0 0.0000000000      0
##      0tu04464      0tu04465 0tu04466 0tu04467 0tu04468 0tu04469
## CSI001 9.381303e-05 0.0000000000      0      0      0      0
## CSI012 0.000000e+00 0.0000000000      0      0      0      0
## CSI022 0.000000e+00 0.0000000000      0      0      0      0
## CSI044 0.000000e+00 0.0000000000      0      0      0      0
## CSI055 0.000000e+00 0.0000000000      0      0      0      0
## CSI065 0.000000e+00 0.0003782005      0      0      0      0
## CSI076 0.000000e+00 0.0000000000      0      0      0      0
##      0tu04470 0tu04471      0tu04472 0tu04473      0tu04474 0tu04475
## CSI001      0      0 2.345326e-05      0 0.000000e+00      0
## CSI012      0      0 1.724971e-05      0 3.449941e-05      0
## CSI022      0      0 2.151556e-05      0 0.000000e+00      0
## CSI044      0      0 0.000000e+00      0 0.000000e+00      0
## CSI055      0      0 0.000000e+00      0 0.000000e+00      0
## CSI065      0      0 0.000000e+00      0 0.000000e+00      0
## CSI076      0      0 0.000000e+00      0 0.000000e+00      0
##      0tu04476 0tu04477      0tu04478 0tu04479 0tu04480 0tu04481
## CSI001      0      0 4.690652e-05      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0
## CSI055      0      0 0.000000e+00      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0
##      0tu04482      0tu04483 0tu04484 0tu04485 0tu04486      0tu04487
## CSI001 0.000000e+00 1.641728e-04      0      0      0 0.000000e+00
## CSI012 0.000000e+00 3.449941e-05      0      0      0 0.000000e+00
## CSI022 6.454667e-05 0.000000e+00      0      0      0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00      0      0      0 3.782005e-05
## CSI076 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
##      0tu04488 0tu04489 0tu04490      0tu04491 0tu04492      0tu04493
## CSI001 0.000000e+00      0      0 2.345326e-05      0 4.690652e-05
## CSI012 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI022 0.000000e+00      0      0 4.303111e-05      0 0.000000e+00
## CSI044 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI055 4.517975e-04      0      0 0.000000e+00      0 0.000000e+00
## CSI065 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI076 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
##      0tu04494      0tu04495 0tu04496 0tu04497 0tu04498 0tu04499
## CSI001      0 0.000000e+00      0      0      0      0
## CSI012      0 1.724971e-05      0      0      0      0
## CSI022      0 4.303111e-05      0      0      0      0
## CSI044      0 0.000000e+00      0      0      0      0
## CSI055      0 0.000000e+00      0      0      0      0
## CSI065      0 0.000000e+00      0      0      0      0
## CSI076      0 0.000000e+00      0      0      0      0
##      0tu04500 0tu04501      0tu04502 0tu04503 0tu04504 0tu04505

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##	CSI001	0.0000000000	0	2.345326e-05	0	0	0	
##	CSI012	0.0000000000	0	5.174912e-05	0	0	0	
##	CSI022	0.0000000000	0	0.000000e+00	0	0	0	
##	CSI044	0.0000000000	0	0.000000e+00	0	0	0	
##	CSI055	0.0000000000	0	0.000000e+00	0	0	0	
##	CSI065	0.0000000000	0	0.000000e+00	0	0	0	
##	CSI076	0.0000000000	0	0.000000e+00	0	0	0	
##		0tu04506	0tu04507	0tu04508	0tu04509	0tu04510	0tu04511	
##	CSI001	0.0000000000	0	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0.0000000000	0	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0.0000000000	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0.0000000000	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0.0000000000	0	4.302833e-05	0	4.302833e-05	0	
##	CSI065	0.0000000000	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0.0001445337	0	8.672024e-05	0	0.000000e+00	0	
##		0tu04512	0tu04513	0tu04514	0tu04515	0tu04516	0tu04517	0tu04518
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	1.075778e-04
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu04519	0tu04520	0tu04521	0tu04522	0tu04523	0tu04524	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##	CSI055	0.000000e+00	0	2.151417e-05	0	0	2.151417e-05	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##		0tu04525	0tu04526	0tu04527	0tu04528	0tu04529	0tu04530	
##	CSI001	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI012	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI022	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI055	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI076	0	0.000000e+00	0	0	0	0.000000e+00	
##		0tu04531	0tu04532	0tu04533	0tu04534	0tu04535	0tu04536	0tu04537
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu04538	0tu04539	0tu04540	0tu04541	0tu04542	0tu04543	
##	CSI001	0	0	0	2.345326e-05	0	0	
##	CSI012	0	0	0	0.000000e+00	0	0	
##	CSI022	0	0	0	0.000000e+00	0	0	
##	CSI044	0	0	0	0.000000e+00	0	0	
##	CSI055	0	0	0	2.151417e-05	0	0	
##	CSI065	0	0	0	0.000000e+00	0	0	

##	CSI076	0	0	0 0.000000e+00	0	0
##		0tu04544	0tu04545	0tu04546	0tu04547	0tu04548
##	CSI001	0.000000e+00	0	4.690652e-05	0	0 0.000000e+00
##	CSI012	0.000000e+00	0	0.000000e+00	0	0 0.000000e+00
##	CSI022	0.000000e+00	0	2.151556e-05	0	0 0.000000e+00
##	CSI044	0.000000e+00	0	0.000000e+00	0	0 0.000000e+00
##	CSI055	1.290850e-04	0	0.000000e+00	0	0 0.000000e+00
##	CSI065	0.000000e+00	0	0.000000e+00	0	0 3.782005e-05
##	CSI076	0.000000e+00	0	0.000000e+00	0	0 2.890675e-05
##		0tu04550	0tu04551	0tu04552	0tu04553	0tu04554
##	CSI001	0	0	0	0	0
##	CSI012	0	0	0	0	0
##	CSI022	0	0	0	0	0
##	CSI044	0	0	0	0	0
##	CSI055	0	0	0	0	0
##	CSI065	0	0	0	0	0
##	CSI076	0	0	0	0	0
##		0tu04557	0tu04558	0tu04559	0tu04560	0tu04561
##	CSI001	0.000000e+00	0	0 0.000000e+00	0	0 0.000000e+00
##	CSI012	0.000000e+00	0	0 0.000000e+00	0	0 0.000000e+00
##	CSI022	0.000000e+00	0	0 0.000000e+00	0	0 0.000000e+00
##	CSI044	0.000000e+00	0	0 0.000000e+00	0	0 0.000000e+00
##	CSI055	0.000000e+00	0	0 2.151417e-05	0	0 6.45425e-05
##	CSI065	0.000000e+00	0	0 0.000000e+00	0	0 0.000000e+00
##	CSI076	0.000000e+00	0	0 5.781349e-05	0	0 0.000000e+00
##		0tu04563	0tu04564	0tu04565	0tu04566	0tu04567
##	CSI001	0	0	0 0.000000e+00	0	0
##	CSI012	0	0	0 0.000000e+00	0	0
##	CSI022	0	0	0 0.000000e+00	0	0
##	CSI044	0	0	0 0.000000e+00	0	0
##	CSI055	0	0	0 0.000000e+00	0	0
##	CSI065	0	0	0 0.000000e+00	0	0
##	CSI076	0	0	0 2.890675e-05	0	0
##		0tu04570	0tu04571	0tu04572	0tu04573	0tu04574
##	CSI001	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI012	0 0.000000e+00	1.724971e-05	0	0	0
##	CSI022	0 0.000000e+00	2.151556e-05	0	0	0
##	CSI044	0 0.000000e+00	3.943140e-05	0	0	0
##	CSI055	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI065	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI076	0 5.781349e-05	0.000000e+00	0	0	0
##		0tu04576	0tu04577	0tu04578	0tu04579	0tu04580
##	CSI001	0	0	0	0	0
##	CSI012	0	0	0	0	0
##	CSI022	0	0	0	0	0
##	CSI044	0	0	0	0	0
##	CSI055	0	0	0	0	0
##	CSI065	0	0	0	0	0
##	CSI076	0	0	0	0	0
##		0tu04583	0tu04584	0tu04585	0tu04586	0tu04587
##	CSI001	0.000000e+00	0	1.876261e-04	0	0 0.000000e+00
##	CSI012	0.000000e+00	0	5.174912e-05	0	0 0.000000e+00
##	CSI022	0.000000e+00	0	0.000000e+00	0	0 0.000000e+00
##	CSI044	0.000000e+00	0	0.000000e+00	0	0 0.000000e+00

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## CSI055 0.000000e+00      0 0.000000e+00      0 6.45425e-05
## CSI065 0.000000e+00      0 0.000000e+00      0 0.000000e+00
## CSI076 0.000000e+00      0 0.000000e+00      0 0.000000e+00
##      0tu04588 0tu04589 0tu04590 0tu04591 0tu04592 0tu04593 0tu04594
## CSI001 1.172663e-04      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 5.781349e-05      0      0      0      0      0      0
##      0tu04595      0tu04596 0tu04597 0tu04598 0tu04599      0tu04600
## CSI001      0 0.000000e+00      0      0      0 0.000000e+00
## CSI012      0 1.724971e-05      0      0      0 0.000000e+00
## CSI022      0 0.000000e+00      0      0      0 0.000000e+00
## CSI044      0 0.000000e+00      0      0      0 0.000000e+00
## CSI055      0 0.000000e+00      0      0      0 0.000000e+00
## CSI065      0 0.000000e+00      0      0      0 0.000000e+00
## CSI076      0 0.000000e+00      0      0      0 5.781349e-05
##      0tu04601      0tu04602 0tu04603 0tu04604      0tu04605 0tu04606
## CSI001      0 0.000000e+00      0      0 0.000000e+00      0
## CSI012      0 0.000000e+00      0      0 1.724971e-05      0
## CSI022      0 0.000000e+00      0      0 0.000000e+00      0
## CSI044      0 0.000000e+00      0      0 0.000000e+00      0
## CSI055      0 0.000000e+00      0      0 0.000000e+00      0
## CSI065      0 0.000000e+00      0      0 0.000000e+00      0
## CSI076      0 8.672024e-05      0      0 0.000000e+00      0
##      0tu04607      0tu04608 0tu04609 0tu04610      0tu04611 0tu04612
## CSI001      0 0.000000e+00      0      0 7.035977e-05      0
## CSI012      0 1.724971e-05      0      0 1.724971e-05      0
## CSI022      0 0.000000e+00      0      0 0.000000e+00      0
## CSI044      0 0.000000e+00      0      0 0.000000e+00      0
## CSI055      0 0.000000e+00      0      0 0.000000e+00      0
## CSI065      0 0.000000e+00      0      0 0.000000e+00      0
## CSI076      0 0.000000e+00      0      0 0.000000e+00      0
##      0tu04613      0tu04614 0tu04615 0tu04616 0tu04617 0tu04618
## CSI001 0.0000000000 0.0000000000      0      0      0      0
## CSI012 0.0000000000 0.0000000000      0      0      0      0
## CSI022 0.0000000000 0.0000000000      0      0      0      0
## CSI044 0.0000000000 0.0000000000      0      0      0      0
## CSI055 0.0001505992 0.0000000000      0      0      0      0
## CSI065 0.0000000000 0.0000000000      0      0      0      0
## CSI076 0.0000000000 0.0000000000      0      0      0      0
##      0tu04619      0tu04620      0tu04621      0tu04622      0tu04623
## CSI001      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI012      0 3.277444e-04 0.000000e+00 1.724971e-05 5.174912e-05
## CSI022      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055      0 0.000000e+00 4.302833e-05 0.000000e+00 0.000000e+00
## CSI065      0 0.000000e+00 7.564010e-05 0.000000e+00 0.000000e+00
## CSI076      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu04624 0tu04625 0tu04626 0tu04627      0tu04628 0tu04629 0tu04630
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 1.724971e-05      0      0

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##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu04631	0tu04632	0tu04633	0tu04634	0tu04635	0tu04636	
##	CSI001	0	0.000000e+00	0	0	0.0000000000	0.0000000000	
##	CSI012	0	0.000000e+00	0	0	0.0000000000	0.0000000000	
##	CSI022	0	0.000000e+00	0	0	0.0004948578	0.0000000000	
##	CSI044	0	0.000000e+00	0	0	0.0000000000	0.0000000000	
##	CSI055	0	0.000000e+00	0	0	0.0000000000	0.0000000000	
##	CSI065	0	0.000000e+00	0	0	0.0000000000	0.0001134602	
##	CSI076	0	1.156270e-04	0	0	0.0000000000	0.0000000000	
##		0tu04637	0tu04638	0tu04639	0tu04640	0tu04641	0tu04642	0tu04643
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu04644	0tu04645	0tu04646	0tu04647	0tu04648	0tu04649	0tu04650
##	CSI001	4.690652e-05	0	0	0	0	0	0
##	CSI012	6.899883e-05	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu04651	0tu04652	0tu04653	0tu04654	0tu04655	0tu04656	0tu04657
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu04658	0tu04659	0tu04660	0tu04661	0tu04662	0tu04663	
##	CSI001	0	0	0.000000e+00	2.345326e-05	0.000000e+00	0	
##	CSI012	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI022	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI044	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI055	0	0	4.302833e-05	2.151417e-05	4.302833e-05	0	
##	CSI065	0	0	7.564010e-05	0.000000e+00	0.000000e+00	0	
##	CSI076	0	0	0.000000e+00	0.000000e+00	2.890675e-05	0	
##		0tu04664	0tu04665	0tu04666	0tu04667	0tu04668		
##	CSI001	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI012	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI022	0	0	0.000000e+00	0.000000e+00	4.303111e-05		
##	CSI044	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI055	0	0	2.151417e-05	0.000000e+00	0.000000e+00		
##	CSI065	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI076	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##		0tu04669	0tu04670	0tu04671	0tu04672	0tu04673	0tu04674	

##	CSI001	0.000000e+00	0	0	0	0	0	
##	CSI012	3.449941e-05	0	0	0	0	0	
##	CSI022	0.000000e+00	0	0	0	0	0	
##	CSI044	0.000000e+00	0	0	0	0	0	
##	CSI055	0.000000e+00	0	0	0	0	0	
##	CSI065	0.000000e+00	0	0	0	0	0	
##	CSI076	0.000000e+00	0	0	0	0	0	
##		0tu04675	0tu04676	0tu04677	0tu04678	0tu04679	0tu04680	
##	CSI001	0.000000e+00	0	0.00000e+00	0	0	0	
##	CSI012	0.000000e+00	0	0.00000e+00	0	0	0	
##	CSI022	2.151556e-05	0	0.00000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.00000e+00	0	0	0	
##	CSI055	0.000000e+00	0	6.45425e-05	0	0	0	
##	CSI065	0.000000e+00	0	0.00000e+00	0	0	0	
##	CSI076	0.000000e+00	0	0.00000e+00	0	0	0	
##		0tu04681	0tu04682	0tu04683	0tu04684	0tu04685	0tu04686	0tu04687
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	8.605667e-05	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu04688	0tu04689	0tu04690	0tu04691	0tu04692	0tu04693	
##	CSI001	2.345326e-05	0	0	0	0	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI055	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00	
##		0tu04694	0tu04695	0tu04696	0tu04697	0tu04698	0tu04699	0tu04700
##	CSI001	0	0	0	2.345326e-05	0	0	0
##	CSI012	0	0	0	5.174912e-05	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu04701	0tu04702	0tu04703	0tu04704	0tu04705	0tu04706	0tu04707
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu04708	0tu04709	0tu04710	0tu04711	0tu04712	0tu04713	
##	CSI001	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	1.724971e-05	1.724971e-05	
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	

##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##		0tu04714	0tu04715	0tu04716	0tu04717	0tu04718	0tu04719
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		0tu04721	0tu04722	0tu04723	0tu04724	0tu04725	0tu04726
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	1.724971e-05	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##		0tu04728	0tu04729	0tu04730	0tu04731	0tu04732	0tu04733
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu04735	0tu04736	0tu04737	0tu04738	0tu04739	0tu04740
##	CSI001	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI012	0	1.724971e-05	0	0	0.000000e+00	0
##	CSI022	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI065	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI076	0	0.000000e+00	0	0	0.000000e+00	0
##		0tu04741	0tu04742	0tu04743	0tu04744	0tu04745	0tu04746
##	CSI001	0	0.000000e+00	0	2.345326e-05	0.000000e+00	0
##	CSI012	0	0.000000e+00	0	1.724971e-05	0.000000e+00	0
##	CSI022	0	0.000000e+00	0	2.151556e-05	0.000000e+00	0
##	CSI044	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI055	0	0.000000e+00	0	0.000000e+00	2.151417e-05	0
##	CSI065	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI076	0	0.000000e+00	0	2.890675e-05	8.672024e-05	0
##		0tu04747	0tu04748	0tu04749	0tu04750	0tu04751	0tu04752
##	CSI001	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI012	0.000000e+00	5.174912e-05	0	0	3.449941e-05	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI055	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI076	8.672024e-05	0.000000e+00	0	0	0.000000e+00	0
##		0tu04753	0tu04754	0tu04755	0tu04756	0tu04757	0tu04758
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0

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## CSI055 0.000000e+00      0      0      0 0.000000e+00      0
## CSI065 0.000000e+00      0      0      0 0.000000e+00      0
## CSI076 0.000000e+00      0      0      0 0.000000e+00      0
##      0tu04759 0tu04760 0tu04761 0tu04762 0tu04763      0tu04764
## CSI001 0.000000e+00      0      0      0      0 4.690652e-05
## CSI012 0.000000e+00      0      0      0      0 0.000000e+00
## CSI022 0.000000e+00      0      0      0      0 0.000000e+00
## CSI044 0.000000e+00      0      0      0      0 0.000000e+00
## CSI055 2.151417e-05      0      0      0      0 0.000000e+00
## CSI065 0.000000e+00      0      0      0      0 0.000000e+00
## CSI076 2.890675e-05      0      0      0      0 0.000000e+00
##      0tu04765 0tu04766 0tu04767      0tu04768      0tu04769 0tu04770
## CSI001 0.0000000000      0      0 0.000000e+00 0.000000e+00      0
## CSI012 0.0000000000      0      0 0.000000e+00 1.724971e-05      0
## CSI022 0.0000000000      0      0 0.000000e+00 0.000000e+00      0
## CSI044 0.0000000000      0      0 0.000000e+00 0.000000e+00      0
## CSI055 0.0000000000      0      0 0.000000e+00 0.000000e+00      0
## CSI065 0.0000000000      0      0 0.000000e+00 0.000000e+00      0
## CSI076 0.0000000000      0      0 0.000000e+00 0.000000e+00      0
##      0tu04771 0tu04772 0tu04773 0tu04774 0tu04775 0tu04776 0tu04777
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu04778 0tu04779      0tu04780      0tu04781 0tu04782
## CSI001 0.000000e+00      0 0.000000e+00 4.690652e-05      0
## CSI012 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI022 0.000000e+00      0 2.151556e-05 0.000000e+00      0
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI055 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI065 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI076 0.000000e+00      0 0.000000e+00 0.000000e+00      0
##      0tu04783      0tu04784 0tu04785      0tu04786 0tu04787
## CSI001 0.000000e+00 0.0000000000      0 0.000000e+00      0
## CSI012 3.449941e-05 0.0000000000      0 0.000000e+00      0
## CSI022 0.000000e+00 0.0000000000      0 0.000000e+00      0
## CSI044 0.000000e+00 0.0000000000      0 0.000000e+00      0
## CSI055 0.000000e+00 0.0000000000      0 2.151417e-05      0
## CSI065 0.000000e+00 0.0000000000      0 0.000000e+00      0
## CSI076 0.000000e+00 0.0000000000      0 0.000000e+00      0
##      0tu04788 0tu04789 0tu04790 0tu04791      0tu04792 0tu04793
## CSI001 0.000000e+00      0      0      0 0.000000e+00      0
## CSI012 0.000000e+00      0      0      0 0.000000e+00      0
## CSI022 0.000000e+00      0      0      0 2.151556e-05      0
## CSI044 0.000000e+00      0      0      0 0.000000e+00      0
## CSI055 0.000000e+00      0      0      0 0.000000e+00      0
## CSI065 0.000000e+00      0      0      0 7.564010e-05      0
## CSI076 0.000000e+00      0      0      0 0.000000e+00      0
##      0tu04794 0tu04795      0tu04796      0tu04797      0tu04798
## CSI001      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI012      0      0 0.000000e+00 0.000000e+00 0.000000e+00

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## CSI022      0      0 2.151556e-05 0.000000e+00 0.000000e+00
## CSI044      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI065      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076      0      0 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu04799 0tu04800      0tu04801 0tu04802      0tu04803
## CSI001 0.0004925184      0 0.000000e+00      0 4.690652e-05
## CSI012 0.0000000000      0 0.000000e+00      0 5.174912e-05
## CSI022 0.0000000000      0 0.000000e+00      0 0.000000e+00
## CSI044 0.0000000000      0 0.000000e+00      0 0.000000e+00
## CSI055 0.0000000000      0 0.000000e+00      0 0.000000e+00
## CSI065 0.0000000000      0 0.000000e+00      0 0.000000e+00
## CSI076 0.0000000000      0 0.000000e+00      0 0.000000e+00
##      0tu04804 0tu04805 0tu04806      0tu04807 0tu04808 0tu04809
## CSI001 0.000000e+00      0      0 0.000000e+00      0      0
## CSI012 0.000000e+00      0      0 3.449941e-05      0      0
## CSI022 0.000000e+00      0      0 4.303111e-05      0      0
## CSI044 0.000000e+00      0      0 0.000000e+00      0      0
## CSI055 2.151417e-05      0      0 0.000000e+00      0      0
## CSI065 0.000000e+00      0      0 0.000000e+00      0      0
## CSI076 0.000000e+00      0      0 0.000000e+00      0      0
##      0tu04810 0tu04811 0tu04812 0tu04813 0tu04814 0tu04815 0tu04816
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu04817 0tu04818 0tu04819 0tu04820      0tu04821 0tu04822 0tu04823
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 0.000000e+00      0      0
## CSI022      0      0      0      0 0.000000e+00      0      0
## CSI044      0      0      0      0 0.000000e+00      0      0
## CSI055      0      0      0      0 2.151417e-05      0      0
## CSI065      0      0      0      0 0.000000e+00      0      0
## CSI076      0      0      0      0 0.000000e+00      0      0
##      0tu04824 0tu04825      0tu04826 0tu04827 0tu04828 0tu04829 0tu04830
## CSI001      0      0 0.000000e+00      0      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0      0
## CSI055      0      0 0.000000e+00      0      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0      0
## CSI076      0      0 3.179742e-04      0      0      0      0
##      0tu04831      0tu04832 0tu04833 0tu04834 0tu04835 0tu04836
## CSI001 0.000000e+00 0.000000e+00      0      0      0      0
## CSI012 1.724971e-05 0.000000e+00      0      0      0      0
## CSI022 2.151556e-05 0.000000e+00      0      0      0      0
## CSI044 0.000000e+00 0.000000e+00      0      0      0      0
## CSI055 0.000000e+00 0.000000e+00      0      0      0      0
## CSI065 0.000000e+00 0.000000e+00      0      0      0      0
## CSI076 0.000000e+00 0.000000e+00      0      0      0      0
##      0tu04837      0tu04838      0tu04839      0tu04840      0tu04841

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## CSI001      0 0.000000e+00 0.0000000000 4.456119e-04 0.000000e+00
## CSI012      0 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00
## CSI022      0 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00
## CSI044      0 0.000000e+00 0.0000000000 0.000000e+00 1.774413e-04
## CSI055      0 0.000000e+00 0.0002151417 0.000000e+00 0.000000e+00
## CSI065      0 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00
## CSI076      0 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00
##           0tu04842 0tu04843 0tu04844      0tu04845      0tu04846 0tu04847
## CSI001 0.000000e+00      0      0 0.000000e+00 0.0000000000      0
## CSI012 0.000000e+00      0      0 0.000000e+00 0.0000000000      0
## CSI022 0.000000e+00      0      0 0.000000e+00 0.0000000000      0
## CSI044 0.000000e+00      0      0 0.000000e+00 0.0000000000      0
## CSI055 2.151417e-05      0      0 0.000000e+00 0.0000000000      0
## CSI065 0.000000e+00      0      0 0.000000e+00 0.0000000000      0
## CSI076 0.000000e+00      0      0 0.000000e+00 0.0000000000      0
##           0tu04848      0tu04849 0tu04850 0tu04851      0tu04852      0tu04853
## CSI001      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI012      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI022      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI044      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI055      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI065      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI076      0 0.000000e+00      0      0 0.000000e+00 5.781349e-05
##           0tu04854 0tu04855 0tu04856 0tu04857      0tu04858 0tu04859
## CSI001 0.000000e+00      0      0      0 0.000000e+00      0
## CSI012 0.000000e+00      0      0      0 1.724971e-05      0
## CSI022 0.000000e+00      0      0      0 2.151556e-05      0
## CSI044 0.000000e+00      0      0      0 0.000000e+00      0
## CSI055 0.000000e+00      0      0      0 0.000000e+00      0
## CSI065 0.000000e+00      0      0      0 0.000000e+00      0
## CSI076 0.000000e+00      0      0      0 0.000000e+00      0
##           0tu04860 0tu04861 0tu04862      0tu04863 0tu04864 0tu04865
## CSI001 0.000000e+00      0      0 9.381303e-05      0      0
## CSI012 5.174912e-05      0      0 1.724971e-04      0      0
## CSI022 0.000000e+00      0      0 0.000000e+00      0      0
## CSI044 0.000000e+00      0      0 0.000000e+00      0      0
## CSI055 0.000000e+00      0      0 0.000000e+00      0      0
## CSI065 0.000000e+00      0      0 0.000000e+00      0      0
## CSI076 0.000000e+00      0      0 0.000000e+00      0      0
##           0tu04866 0tu04867 0tu04868 0tu04869 0tu04870      0tu04871 0tu04872
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##           0tu04873 0tu04874 0tu04875 0tu04876      0tu04877 0tu04878
## CSI001 0.0000000000      0      0      0 4.690652e-05      0
## CSI012 0.0002414959      0      0      0 6.899883e-05      0
## CSI022 0.0000000000      0      0      0 0.000000e+00      0
## CSI044 0.0000000000      0      0      0 0.000000e+00      0
## CSI055 0.0000000000      0      0      0 0.000000e+00      0
## CSI065 0.0000000000      0      0      0 0.000000e+00      0

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##	CSI076	0.0000000000	0	0	0	0.000000e+00	0
##		0tu04879	0tu04880	0tu04881	0tu04882	0tu04883	0tu04884 0tu04885
##	CSI001	0	0	0	0	0 0.000000e+00	0
##	CSI012	0	0	0	0	0 3.449941e-05	0
##	CSI022	0	0	0	0	0 0.000000e+00	0
##	CSI044	0	0	0	0	0 0.000000e+00	0
##	CSI055	0	0	0	0	0 3.657408e-04	0
##	CSI065	0	0	0	0	0 0.000000e+00	0
##	CSI076	0	0	0	0	0 0.000000e+00	0
##		0tu04886	0tu04887	0tu04888	0tu04889	0tu04890	0tu04891 0tu04892
##	CSI001	0	0	0.0000000000	0	0	0
##	CSI012	0	0	0.0000000000	0	0	0
##	CSI022	0	0	0.0000000000	0	0	0
##	CSI044	0	0	0.0000000000	0	0	0
##	CSI055	0	0	0.0000000000	0	0	0
##	CSI065	0	0	0.0000000000	0	0	0
##	CSI076	0	0	0.0000000000	0	0	0
##		0tu04893	0tu04894	0tu04895	0tu04896	0tu04897	0tu04898
##	CSI001	0	4.690652e-05	0	0	0	0.000000e+00
##	CSI012	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI022	0	4.303111e-05	0	0	0	0.000000e+00
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	0	0.000000e+00	0	0	0	6.454250e-05
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI076	0	0.000000e+00	0	0	0	0.000000e+00
##		0tu04899	0tu04900	0tu04901	0tu04902	0tu04903	0tu04904
##	CSI001	0	0	0 0.000000e+00	0	0	0
##	CSI012	0	0	0 0.000000e+00	0	0	0
##	CSI022	0	0	0 0.000000e+00	0	0	0
##	CSI044	0	0	0 0.000000e+00	0	0	0
##	CSI055	0	0	0 2.151417e-05	0	0	0
##	CSI065	0	0	0 0.000000e+00	0	0	0
##	CSI076	0	0	0 0.000000e+00	0	0	0
##		0tu04905	0tu04906	0tu04907	0tu04908	0tu04909	0tu04910
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	8.672024e-05	0	0	0	0	0
##		0tu04911	0tu04912	0tu04913	0tu04914	0tu04915	0tu04916
##	CSI001	0.000000e+00	0	2.345326e-05	0	0	3.283456e-04
##	CSI012	6.899883e-05	0	5.174912e-05	0	0	1.724971e-05
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##		0tu04917	0tu04918	0tu04919	0tu04920	0tu04921	0tu04922 0tu04923
##	CSI001	0	0	0	0	0 0.000000e+00	0
##	CSI012	0	0	0	0	0 0.000000e+00	0
##	CSI022	0	0	0	0	0 4.303111e-05	0
##	CSI044	0	0	0	0	0 0.000000e+00	0

##	CSI055	0	0	0	0	0 0.000000e+00	0
##	CSI065	0	0	0	0	0 0.000000e+00	0
##	CSI076	0	0	0	0	0 0.000000e+00	0
##		0tu04924	0tu04925	0tu04926	0tu04927	0tu04928	0tu04929
##	CSI001	0.000000e+00	0	0	0	0 0.000000e+00	0
##	CSI012	0.000000e+00	0	0	0	0 0.000000e+00	0
##	CSI022	0.000000e+00	0	0	0	0 0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0	0 0.000000e+00	0
##	CSI055	0.000000e+00	0	0	0	0 0.000000e+00	0
##	CSI065	0.000000e+00	0	0	0	0 0.000000e+00	0
##	CSI076	0.000000e+00	0	0	0	0 0.000000e+00	0
##		0tu04930	0tu04931	0tu04932	0tu04933	0tu04934	0tu04935
##	CSI001	0.000000e+00	0	0	0	2.345326e-05	0.000000e+00
##	CSI012	1.724971e-05	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI022	0.000000e+00	0	0	0	2.151556e-05	0.000000e+00
##	CSI044	0.000000e+00	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI055	0.000000e+00	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI065	0.000000e+00	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI076	0.000000e+00	0	0	0	0 0.000000e+00	2.890675e-05
##		0tu04936	0tu04937	0tu04938	0tu04939	0tu04940	0tu04941
##	CSI001	0	0	0	0 0.000000e+00	0 0.000000e+00	0
##	CSI012	0	0	0	3.449941e-05	0 0.000000e+00	0
##	CSI022	0	0	0	0 0.000000e+00	0 0.000000e+00	0
##	CSI044	0	0	0	0 0.000000e+00	0 0.000000e+00	0
##	CSI055	0	0	0	0 0.000000e+00	0 0.000000e+00	0
##	CSI065	0	0	0	0 0.000000e+00	0 0.000000e+00	0
##	CSI076	0	0	0	0 0.000000e+00	0 0.000000e+00	0
##		0tu04942	0tu04943	0tu04944	0tu04945	0tu04946	0tu04947 0tu04948
##	CSI001	0	0	0	0	0 0.000000e+00	0
##	CSI012	0	0	0	0	0 0.000000e+00	0
##	CSI022	0	0	0	0	0 0.000000e+00	0
##	CSI044	0	0	0	0	0 0.000000e+00	0
##	CSI055	0	0	0	0	0 0.000000e+00	0
##	CSI065	0	0	0	0	0 0.000000e+00	0
##	CSI076	0	0	0	0	0 0.000000e+00	0
##		0tu04949	0tu04950	0tu04951	0tu04952	0tu04953	0tu04954
##	CSI001	0	0	0	0	0 0.000000e+00	0.00000e+00
##	CSI012	0	0	0	0	1.724971e-05	0.00000e+00
##	CSI022	0	0	0	0	0 0.000000e+00	0.00000e+00
##	CSI044	0	0	0	0	0 0.000000e+00	1.97157e-05
##	CSI055	0	0	0	0	0 0.000000e+00	0.00000e+00
##	CSI065	0	0	0	0	0 0.000000e+00	0.00000e+00
##	CSI076	0	0	0	0	0 0.000000e+00	0.00000e+00
##		0tu04955	0tu04956	0tu04957	0tu04958	0tu04959	0tu04960
##	CSI001	0	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI012	0	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI022	0	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI044	0	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI055	0	0	0	0	0 0.000000e+00	3.011983e-04
##	CSI065	0	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI076	0	0	0	0	4.336012e-04	0.000000e+00
##		0tu04961	0tu04962	0tu04963	0tu04964	0tu04965	0tu04966 0tu04967
##	CSI001	0	0	0	0 0.000000e+00	0	0 0
##	CSI012	0	0	0	0 0.000000e+00	0	0 0

##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	3.782005e-05	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu04968	0tu04969	0tu04970	0tu04971	0tu04972	0tu04973	
##	CSI001	0	0	0.000000000	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0	0.000000000	3.449941e-05	0	0.000000e+00	
##	CSI022	0	0	0.000000000	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0	0.000000000	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0.000000000	0.000000e+00	0	0.000000e+00	
##	CSI065	0	0	0.000000000	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0	0.000115627	0.000000e+00	0	0.000000e+00	
##		0tu04974	0tu04975	0tu04976	0tu04977	0tu04978	0tu04979	0tu04980
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu04981	0tu04982	0tu04983	0tu04984	0tu04985	0tu04986	
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0	0	6.899883e-05	0	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI076	5.781349e-05	0	0	0.000000e+00	0	0	
##		0tu04987	0tu04988	0tu04989	0tu04990	0tu04991	0tu04992	
##	CSI001	0	0	0	0.000000e+00	0	0	
##	CSI012	0	0	0	5.174912e-05	0	0	
##	CSI022	0	0	0	0.000000e+00	0	0	
##	CSI044	0	0	0	0.000000e+00	0	0	
##	CSI055	0	0	0	0.000000e+00	0	0	
##	CSI065	0	0	0	0.000000e+00	0	0	
##	CSI076	0	0	0	0.000000e+00	0	0	
##		0tu04993	0tu04994	0tu04995	0tu04996	0tu04997	0tu04998	
##	CSI001	0.000000e+00	0	0	0	0	0	
##	CSI012	0.000000e+00	0	0	0	0	0	
##	CSI022	0.000000e+00	0	0	0	0	0	
##	CSI044	0.000000e+00	0	0	0	0	0	
##	CSI055	0.000000e+00	0	0	0	0	0	
##	CSI065	0.000000e+00	0	0	0	0	0	
##	CSI076	0.000000e+00	0	0	0	0	0	
##		0tu04999	0tu05000	0tu05001	0tu05002	0tu05003		
##	CSI001	0.000000e+00	0	0	0.000000e+00	0.00000e+00		
##	CSI012	0.000000e+00	0	0	0.000000e+00	0.00000e+00		
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.00000e+00		
##	CSI044	0.000000e+00	0	0	0.000000e+00	1.97157e-05		
##	CSI055	0.000000e+00	0	0	2.151417e-05	0.00000e+00		
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.00000e+00		
##	CSI076	0.000000e+00	0	0	0.000000e+00	0.00000e+00		
##		0tu05004	0tu05005	0tu05006	0tu05007	0tu05008		


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## CSI001 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI012 0.000000e+00 0.000000e+00 1.724971e-05 3.449941e-05 0.000000e+00
## CSI022 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI055 4.302833e-05 0.000000e+00 0.000000e+00 0.000000e+00 2.151417e-05
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 5.781349e-05
##      0tu05009 0tu05010 0tu05011 0tu05012 0tu05013      0tu05014 0tu05015
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu05016 0tu05017      0tu05018 0tu05019 0tu05020 0tu05021 0tu05022
## CSI001      0      0 0.000000e+00      0      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0      0
## CSI022      0      0 2.151556e-05      0      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0      0
## CSI055      0      0 0.000000e+00      0      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0      0
##      0tu05023 0tu05024 0tu05025 0tu05026 0tu05027 0tu05028 0tu05029
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu05030 0tu05031      0tu05032 0tu05033      0tu05034 0tu05035
## CSI001      0      0 0.000000e+00      0 0.000000e+00      0
## CSI012      0      0 0.000000e+00      0 0.000000e+00      0
## CSI022      0      0 0.000000e+00      0 0.000000e+00      0
## CSI044      0      0 9.857850e-05      0 0.000000e+00      0
## CSI055      0      0 0.000000e+00      0 0.000000e+00      0
## CSI065      0      0 3.782005e-05      0 0.000000e+00      0
## CSI076      0      0 0.000000e+00      0 8.672024e-05      0
##      0tu05036      0tu05037 0tu05038      0tu05039 0tu05040 0tu05041
## CSI001      0 1.172663e-04      0 0.000000e+00      0      0
## CSI012      0 0.000000e+00      0 5.174912e-05      0      0
## CSI022      0 0.000000e+00      0 0.000000e+00      0      0
## CSI044      0 0.000000e+00      0 0.000000e+00      0      0
## CSI055      0 0.000000e+00      0 0.000000e+00      0      0
## CSI065      0 0.000000e+00      0 0.000000e+00      0      0
## CSI076      0 0.000000e+00      0 0.000000e+00      0      0
##      0tu05042 0tu05043 0tu05044      0tu05045 0tu05046 0tu05047 0tu05048
## CSI001      0      0      0 0.000000e+00      0      0      0
## CSI012      0      0      0 0.000000e+00      0      0      0
## CSI022      0      0      0 0.000000e+00      0      0      0
## CSI044      0      0      0 0.000000e+00      0      0      0
## CSI055      0      0      0 0.000000e+00      0      0      0
## CSI065      0      0      0 0.000000e+00      0      0      0

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## CSI076	0	0	0 2.890675e-05	0	0	0
##	0tu05049	0tu05050	0tu05051	0tu05052	0tu05053	0tu05054
## CSI001	0.000000e+00	1.172663e-04	0	0	0	1.876261e-04
## CSI012	0.000000e+00	5.174912e-05	0	0	0	1.724971e-05
## CSI022	2.151556e-05	0.000000e+00	0	0	0	0.000000e+00
## CSI044	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
## CSI055	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
## CSI065	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
## CSI076	0.000000e+00	0.000000e+00	0	0	0	5.781349e-05
##	0tu05055	0tu05056	0tu05057	0tu05058	0tu05059	0tu05060
## CSI001	0 0.000000e+00	0	0.000000e+00	0	0	0
## CSI012	0 0.000000e+00	0	0.000000e+00	0	0	0
## CSI022	0 4.303111e-05	0	0.000000e+00	0	0	0
## CSI044	0 0.000000e+00	0	0.000000e+00	0	0	0
## CSI055	0 0.000000e+00	0	0.000000e+00	0	0	0
## CSI065	0 0.000000e+00	0	0.000000e+00	0	0	0
## CSI076	0 0.000000e+00	0	5.781349e-05	0	0	0
##	0tu05061	0tu05062	0tu05063	0tu05064	0tu05065	0tu05066
## CSI001	0 2.345326e-05	0	0	0.0000000000	0	0
## CSI012	0 0.000000e+00	0	0	0.0000000000	0	0
## CSI022	0 0.000000e+00	0	0	0.0000000000	0	0
## CSI044	0 0.000000e+00	0	0	0.0000000000	0	0
## CSI055	0 0.000000e+00	0	0	0.0003442267	0	0
## CSI065	0 0.000000e+00	0	0	0.0000000000	0	0
## CSI076	0 2.890675e-05	0	0	0.0000000000	0	0
##	0tu05067	0tu05068	0tu05069	0tu05070	0tu05071	
## CSI001	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
## CSI012	1.724971e-05	0.000000e+00	6.899883e-05	0	0	
## CSI022	0.000000e+00	2.151556e-05	8.606222e-05	0	0	
## CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
## CSI055	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
## CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
## CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	0tu05072	0tu05073	0tu05074	0tu05075	0tu05076	0tu05077
## CSI001	0.000000e+00	0.0000000000	2.345326e-05	0	0	0
## CSI012	0.000000e+00	0.0000000000	0.000000e+00	0	0	0
## CSI022	0.000000e+00	0.0000000000	0.000000e+00	0	0	0
## CSI044	0.000000e+00	0.0000000000	0.000000e+00	0	0	0
## CSI055	0.000000e+00	0.0000000000	0.000000e+00	0	0	0
## CSI065	0.000000e+00	0.0000000000	0.000000e+00	0	0	0
## CSI076	0.000000e+00	0.0004625079	0.000000e+00	0	0	0
##	0tu05078	0tu05079	0tu05080	0tu05081	0tu05082	0tu05083
## CSI001	2.345326e-05	0 0.000000e+00	0	4.690652e-05	0	0
## CSI012	3.449941e-05	0 3.449941e-05	0	0.000000e+00	0	0
## CSI022	2.151556e-05	0 0.000000e+00	0	0.000000e+00	0	0
## CSI044	0.000000e+00	0 0.000000e+00	0	0.000000e+00	0	0
## CSI055	0.000000e+00	0 0.000000e+00	0	6.454250e-05	0	0
## CSI065	0.000000e+00	0 0.000000e+00	0	0.000000e+00	0	0
## CSI076	0.000000e+00	0 0.000000e+00	0	0.000000e+00	0	0
##	0tu05084	0tu05085	0tu05086	0tu05087	0tu05088	0tu05089
## CSI001	0	0	0	0	0 0.000000e+00	
## CSI012	0	0	0	0	0 1.724971e-05	
## CSI022	0	0	0	0	0 4.303111e-05	
## CSI044	0	0	0	0	0 0.000000e+00	

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## CSI055      0      0      0      0      0 0.000000e+00
## CSI065      0      0      0      0      0 0.000000e+00
## CSI076      0      0      0      0      0 0.000000e+00
##      0tu05090 0tu05091      0tu05092 0tu05093 0tu05094      0tu05095
## CSI001 0.0000000000      0 0.000000e+00      0      0 0.000000e+00
## CSI012 0.0000000000      0 0.000000e+00      0      0 3.449941e-05
## CSI022 0.0001075778      0 0.000000e+00      0      0 0.000000e+00
## CSI044 0.0000000000      0 0.000000e+00      0      0 0.000000e+00
## CSI055 0.0000000000      0 2.151417e-05      0      0 0.000000e+00
## CSI065 0.0000000000      0 0.000000e+00      0      0 0.000000e+00
## CSI076 0.0000000000      0 0.000000e+00      0      0 0.000000e+00
##      0tu05096 0tu05097 0tu05098      0tu05099      0tu05100 0tu05101
## CSI001      0      0      0 2.345326e-05 0.000000e+00      0
## CSI012      0      0      0 0.000000e+00 3.449941e-05      0
## CSI022      0      0      0 8.606222e-05 0.000000e+00      0
## CSI044      0      0      0 0.000000e+00 0.000000e+00      0
## CSI055      0      0      0 0.000000e+00 0.000000e+00      0
## CSI065      0      0      0 0.000000e+00 0.000000e+00      0
## CSI076      0      0      0 0.000000e+00 0.000000e+00      0
##      0tu05102 0tu05103 0tu05104 0tu05105 0tu05106      0tu05107
## CSI001      0      0      0      0      0 0.000000e+00
## CSI012      0      0      0      0      0 1.724971e-05
## CSI022      0      0      0      0      0 0.000000e+00
## CSI044      0      0      0      0      0 0.000000e+00
## CSI055      0      0      0      0      0 0.000000e+00
## CSI065      0      0      0      0      0 0.000000e+00
## CSI076      0      0      0      0      0 0.000000e+00
##      0tu05108      0tu05109      0tu05110 0tu05111 0tu05112 0tu05113
## CSI001 0.000000e+00 0.000000e+00 0.000000000      0      0      0
## CSI012 0.000000e+00 0.000000e+00 0.000000000      0      0      0
## CSI022 0.000000e+00 0.000000e+00 0.000000000      0      0      0
## CSI044 0.000000e+00 0.000000e+00 0.000000000      0      0      0
## CSI055 4.302833e-05 0.000000e+00 0.000387255      0      0      0
## CSI065 0.000000e+00 3.782005e-05 0.000000000      0      0      0
## CSI076 0.000000e+00 0.000000e+00 0.000000000      0      0      0
##      0tu05114      0tu05115 0tu05116 0tu05117 0tu05118 0tu05119
## CSI001 0.000000e+00 0.000000e+00      0      0      0      0
## CSI012 0.000000e+00 1.724971e-05      0      0      0      0
## CSI022 0.000000e+00 3.012178e-04      0      0      0      0
## CSI044 0.000000e+00 0.000000e+00      0      0      0      0
## CSI055 0.000000e+00 0.000000e+00      0      0      0      0
## CSI065 0.000000e+00 0.000000e+00      0      0      0      0
## CSI076 0.000000e+00 0.000000e+00      0      0      0      0
##      0tu05120 0tu05121 0tu05122      0tu05123 0tu05124      0tu05125
## CSI001      0      0      0 0.000000e+00      0 0.000000e+00
## CSI012      0      0      0 0.000000e+00      0 0.000000e+00
## CSI022      0      0      0 0.000000e+00      0 0.000000e+00
## CSI044      0      0      0 0.000000e+00      0 0.000000e+00
## CSI055      0      0      0 0.000000e+00      0 0.000000e+00
## CSI065      0      0      0 0.000000e+00      0 0.000000e+00
## CSI076      0      0      0 0.000000e+00      0 0.000000e+00
##      0tu05126 0tu05127 0tu05128 0tu05129      0tu05130 0tu05131
## CSI001      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0 0.000000e+00      0

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##	CSI022	0	0	0	0	0.00000e+00	0
##	CSI044	0	0	0	0	0.00000e+00	0
##	CSI055	0	0	0	0	0.00000e+00	0
##	CSI065	0	0	0	0	7.56401e-05	0
##	CSI076	0	0	0	0	0.00000e+00	0
##		0tu05132	0tu05133	0tu05134	0tu05135	0tu05136	0tu05137
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI012	0.000000e+00	0	0	0	1.724971e-05	0.000000e+00
##	CSI022	2.151556e-05	0	0	0	0.000000e+00	0.000000e+00
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	5.781349e-05
##		0tu05138	0tu05139	0tu05140	0tu05141	0tu05142	0tu05143
##	CSI001	1.876261e-04	0	0	0	0.0000000000	0
##	CSI012	0.000000e+00	0	0	0	0.0000000000	0
##	CSI022	0.000000e+00	0	0	0	0.0000000000	0
##	CSI044	0.000000e+00	0	0	0	0.0000000000	0
##	CSI055	0.000000e+00	0	0	0	0.0000000000	0
##	CSI065	0.000000e+00	0	0	0	0.0000000000	0
##	CSI076	0.000000e+00	0	0	0	0.0000000000	0
##		0tu05144	0tu05145	0tu05146	0tu05147	0tu05148	0tu05149
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	1.724971e-05	0
##	CSI022	0	0	0	0	2.151556e-05	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu05150	0tu05151	0tu05152	0tu05153	0tu05154	0tu05155
##	CSI001	0.00000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI012	0.00000e+00	1.724971e-05	0	0.000000e+00	0	0
##	CSI022	0.00000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI044	0.00000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI055	0.00000e+00	0.000000e+00	0	2.151417e-05	0	0
##	CSI065	0.00000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI076	0.00000e+00	0.000000e+00	0	0.000000e+00	0	0
##		0tu05156	0tu05157	0tu05158	0tu05159	0tu05160	0tu05161
##	CSI001	0	0	0	0	0.0000000000	0.000000e+00
##	CSI012	0	0	0	0	0.0000000000	0.000000e+00
##	CSI022	0	0	0	0	0.0000000000	6.454667e-05
##	CSI044	0	0	0	0	0.0000000000	0.000000e+00
##	CSI055	0	0	0	0	0.0000000000	0.000000e+00
##	CSI065	0	0	0	0	0.0000000000	0.000000e+00
##	CSI076	0	0	0	0	0.0000000000	0.000000e+00
##		0tu05162	0tu05163	0tu05164	0tu05165	0tu05166	
##	CSI001	0.000000e+00	0.000000e+00	0	0	0.0000000000	
##	CSI012	0.000000e+00	0.000000e+00	0	0	0.0000000000	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0.0000000000	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0.0000000000	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0.0003657408	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0.0000000000	
##	CSI076	5.781349e-05	8.672024e-05	0	0	0.0000000000	
##		0tu05167	0tu05168	0tu05169	0tu05170	0tu05171	0tu05172

##	CSI001	2.345326e-05	0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	2.647404e-04	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu05173	0tu05174	0tu05175	0tu05176	0tu05177	0tu05178
##	CSI001	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI012	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI022	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI065	0	7.56401e-05	0	0	0.000000e+00	0
##	CSI076	0	0.000000e+00	0	0	2.890675e-05	0
##		0tu05179	0tu05180	0tu05181	0tu05182	0tu05183	0tu05184
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI022	2.151556e-05	0	2.151556e-05	0	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu05185	0tu05186	0tu05187	0tu05188	0tu05189	0tu05190
##	CSI001	0	0	0	0	0.0000000000	0
##	CSI012	0	0	0	0	0.0000000000	0
##	CSI022	0	0	0	0	0.0001290933	0
##	CSI044	0	0	0	0	0.0000000000	0
##	CSI055	0	0	0	0	0.0000000000	0
##	CSI065	0	0	0	0	0.0000000000	0
##	CSI076	0	0	0	0	0.0000000000	0
##		0tu05191	0tu05192	0tu05193	0tu05194	0tu05195	0tu05196
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI012	0.000000e+00	0	0	3.449941e-05	0	0
##	CSI022	0.000000e+00	0	0	2.151556e-05	0	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu05197	0tu05198	0tu05199	0tu05200	0tu05201	
##	CSI001	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0.000000e+00	3.449941e-05	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##		0tu05202	0tu05203	0tu05204	0tu05205	0tu05206	0tu05207
##	CSI001	4.690652e-05	0	0	0	0	4.690652e-05
##	CSI012	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI055	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00

##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu05208	0tu05209	0tu05210	0tu05211	0tu05212	0tu05213
##	CSI001	0	2.345326e-05	0	2.345326e-05	0	0
##	CSI012	0	0.000000e+00	0	3.449941e-05	0	0
##	CSI022	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0
##		0tu05214	0tu05215	0tu05216	0tu05217	0tu05218	0tu05219
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI065	0.000000e+00	0	3.782005e-05	0	0	0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu05220	0tu05221	0tu05222	0tu05223	0tu05224	0tu05225
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	3.449941e-05	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##		0tu05227	0tu05228	0tu05229	0tu05230	0tu05231	0tu05232
##	CSI001	0	0	0	4.690652e-05	0	0
##	CSI012	0	0	0	1.724971e-05	0	0
##	CSI022	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	2.151417e-05	0	0
##	CSI065	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	2.890675e-05	0	0
##		0tu05233	0tu05234	0tu05235	0tu05236	0tu05237	0tu05238
##	CSI001	2.345326e-05	0.000000e+00	0	0	0	4.690652e-05
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	1.134602e-04
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##		0tu05239	0tu05240	0tu05241	0tu05242	0tu05243	0tu05244
##	CSI001	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	1.724971e-05
##	CSI022	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0.000000e+00
##		0tu05246	0tu05247	0tu05248	0tu05249	0tu05250	0tu05251
##	CSI001	0.0000000000	0	0	0	0	0
##	CSI012	0.0000000000	0	0	0	0	0
##	CSI022	0.0000000000	0	0	0	0	0
##	CSI044	0.0000000000	0	0	0	0	0

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## CSI055 0.0000645425      0      0      0      0      0      0
## CSI065 0.0000000000      0      0      0      0      0      0
## CSI076 0.0000000000      0      0      0      0      0      0
##      0tu05253 0tu05254 0tu05255      0tu05256 0tu05257      0tu05258
## CSI001 2.345326e-05      0      0 0.0000000000      0 0.000000e+00
## CSI012 1.207479e-04      0      0 0.0000000000      0 1.724971e-05
## CSI022 0.000000e+00      0      0 0.0000000000      0 0.000000e+00
## CSI044 0.000000e+00      0      0 0.0000000000      0 0.000000e+00
## CSI055 0.000000e+00      0      0 0.0000000000      0 0.000000e+00
## CSI065 0.000000e+00      0      0 0.0000000000      0 0.000000e+00
## CSI076 2.890675e-05      0      0 0.0000000000      0 0.000000e+00
##      0tu05259 0tu05260 0tu05261 0tu05262 0tu05263 0tu05264 0tu05265
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu05266      0tu05267 0tu05268 0tu05269 0tu05270      0tu05271
## CSI001      0 0.000000e+00      0      0      0 0.000000e+00
## CSI012      0 0.000000e+00      0      0      0 1.724971e-05
## CSI022      0 0.000000e+00      0      0      0 0.000000e+00
## CSI044      0 0.000000e+00      0      0      0 0.000000e+00
## CSI055      0 0.000000e+00      0      0      0 0.000000e+00
## CSI065      0 0.000000e+00      0      0      0 0.000000e+00
## CSI076      0 0.000000e+00      0      0      0 0.000000e+00
##      0tu05272      0tu05273 0tu05274 0tu05275      0tu05276 0tu05277
## CSI001      0 0.000000e+00      0      0 0.000000e+00      0
## CSI012      0 0.000000e+00      0      0 0.000000e+00      0
## CSI022      0 0.000000e+00      0      0 0.000000e+00      0
## CSI044      0 0.000000e+00      0      0 0.000000e+00      0
## CSI055      0 0.000000e+00      0      0 2.151417e-05      0
## CSI065      0 0.000000e+00      0      0 0.000000e+00      0
## CSI076      0 5.781349e-05      0      0 0.000000e+00      0
##      0tu05278 0tu05279 0tu05280 0tu05281 0tu05282 0tu05283      0tu05284
## CSI001      0      0      0      0      0      0 0.000000e+00
## CSI012      0      0      0      0      0      0 0.000000e+00
## CSI022      0      0      0      0      0      0 0.000000e+00
## CSI044      0      0      0      0      0      0 0.000000e+00
## CSI055      0      0      0      0      0      0 4.302833e-05
## CSI065      0      0      0      0      0      0 0.000000e+00
## CSI076      0      0      0      0      0      0 0.000000e+00
##      0tu05285      0tu05286 0tu05287 0tu05288      0tu05289 0tu05290
## CSI001      0 0.0000000000      0      0 0.0000000000      0
## CSI012      0 0.0001379977      0      0 0.0001724971      0
## CSI022      0 0.0000000000      0      0 0.0000000000      0
## CSI044      0 0.0000000000      0      0 0.0000000000      0
## CSI055      0 0.0000000000      0      0 0.0000000000      0
## CSI065      0 0.0000000000      0      0 0.0000000000      0
## CSI076      0 0.0000000000      0      0 0.0000000000      0
##      0tu05291      0tu05292      0tu05293      0tu05294      0tu05295
## CSI001      0 0.0000000000 0.0000000000 4.690652e-05 0.000000e+00
## CSI012      0 0.0000000000 0.0000000000 3.449941e-05 0.000000e+00

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## CSI022      0 0.0000000000 0.0000000000 0.000000e+00 0.000000e+00
## CSI044      0 0.0000000000 0.0002365884 0.000000e+00 1.971570e-05
## CSI055      0 0.0001075708 0.0000000000 0.000000e+00 0.000000e+00
## CSI065      0 0.0000000000 0.0001512802 0.000000e+00 0.000000e+00
## CSI076      0 0.0000000000 0.0000000000 0.000000e+00 0.000000e+00
##      0tu05296 0tu05297 0tu05298 0tu05299 0tu05300      0tu05301 0tu05302
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu05303      0tu05304 0tu05305 0tu05306      0tu05307
## CSI001 0.000000e+00 9.381303e-05      0      0 0.000000e+00
## CSI012 3.449941e-05 1.724971e-05      0      0 0.000000e+00
## CSI022 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00      0      0 0.000000e+00
##      0tu05308 0tu05309 0tu05310 0tu05311 0tu05312 0tu05313 0tu05314
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu05315 0tu05316 0tu05317 0tu05318 0tu05319 0tu05320 0tu05321
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu05322 0tu05323      0tu05324 0tu05325 0tu05326 0tu05327 0tu05328
## CSI001      0      0 0.000000e+00      0      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0      0
## CSI055      0      0 0.000000e+00      0      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0      0
##      0tu05329 0tu05330 0tu05331      0tu05332      0tu05333 0tu05334
## CSI001      0      0      0 0.000000e+00 0.000000e+00      0
## CSI012      0      0      0 0.000000e+00 0.000000e+00      0
## CSI022      0      0      0 0.000000e+00 0.000000e+00      0
## CSI044      0      0      0 0.000000e+00 0.000000e+00      0
## CSI055      0      0      0 0.000000e+00 6.45425e-05      0
## CSI065      0      0      0 0.000000e+00 0.000000e+00      0
## CSI076      0      0      0 2.890675e-05 0.000000e+00      0
##      0tu05335 0tu05336 0tu05337 0tu05338 0tu05339 0tu05340 0tu05341

```


##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu05342	0tu05343	0tu05344	0tu05345	0tu05346	0tu05347
##	CSI001	2.345326e-05	0.000000e+00	0	0	0.000000e+00	0
##	CSI012	0.000000e+00	3.449941e-05	0	0	1.724971e-05	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI055	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##		0tu05348	0tu05349	0tu05350	0tu05351	0tu05352	0tu05353
##	CSI001	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI012	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI022	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI044	0	2.563041e-04	0	0.000000e+00	0	0
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI065	0	3.782005e-05	0	0.000000e+00	0	0
##	CSI076	0	0.000000e+00	0	5.781349e-05	0	0
##		0tu05354	0tu05355	0tu05356	0tu05357	0tu05358	0tu05359
##	CSI001	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	2.151417e-05	0	0
##	CSI065	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0.000000e+00	0	0
##		0tu05361	0tu05362	0tu05363	0tu05364	0tu05365	0tu05366
##	CSI001	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI044	0	0	0	1.97157e-05	0.000000e+00	0
##	CSI055	0	0	0	0.000000e+00	6.454250e-05	0
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI076	0	0	0	0.000000e+00	2.890675e-05	0
##		0tu05367	0tu05368	0tu05369	0tu05370	0tu05371	0tu05372
##	CSI001	0	0.000000e+00	0	0	0.0000000000	0
##	CSI012	0	0.000000e+00	0	0	0.0000000000	0
##	CSI022	0	0.000000e+00	0	0	0.0000000000	0
##	CSI044	0	0.000000e+00	0	0	0.0000000000	0
##	CSI055	0	0.000000e+00	0	0	0.0001936275	0
##	CSI065	0	0.000000e+00	0	0	0.0000000000	0
##	CSI076	0	0.000000e+00	0	0	0.0000000000	0
##		0tu05373	0tu05374	0tu05375	0tu05376	0tu05377	0tu05378
##	CSI001	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	5.174912e-05	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0

## CSI076	0	0 0.000000e+00	0	0	0
##	0tu05379	0tu05380	0tu05381	0tu05382	0tu05383 0tu05384
## CSI001	0.000000e+00	0	0	0 0.0000000000	0
## CSI012	0.000000e+00	0	0	0 0.0000000000	0
## CSI022	0.000000e+00	0	0	0 0.0000000000	0
## CSI044	0.000000e+00	0	0	0 0.0000000000	0
## CSI055	6.45425e-05	0	0	0 0.0000000000	0
## CSI065	0.000000e+00	0	0	0 0.0000000000	0
## CSI076	0.000000e+00	0	0	0 0.0000000000	0
##	0tu05385	0tu05386	0tu05387	0tu05388	0tu05389 0tu05390
## CSI001	0 0.000000e+00	0	0 0.000000e+00	0	0
## CSI012	0 0.000000e+00	0	0 0.000000e+00	0	0
## CSI022	0 0.000000e+00	0	0 0.000000e+00	0	0
## CSI044	0 0.000000e+00	0	0 0.000000e+00	0	0
## CSI055	0 0.000000e+00	0	0 0.000000e+00	0	0
## CSI065	0 0.000000e+00	0	0 0.000000e+00	0	0
## CSI076	0 0.000000e+00	0	2.890675e-05	0	0
##	0tu05391	0tu05392	0tu05393	0tu05394	0tu05395 0tu05396
## CSI001	0.000000e+00	0.000000e+00	0	0	0
## CSI012	0.000000e+00	0.000000e+00	0	0	0
## CSI022	0.000000e+00	0.000000e+00	0	0	0
## CSI044	0.000000e+00	0.000000e+00	0	0	0
## CSI055	2.151417e-05	2.151417e-05	0	0	0
## CSI065	0.000000e+00	0.000000e+00	0	0	0
## CSI076	0.000000e+00	0.000000e+00	0	0	0
##	0tu05397	0tu05398	0tu05399	0tu05400	0tu05401 0tu05402
## CSI001	0 0.000000e+00	0	0	0 0.0000000000	0
## CSI012	0 0.000000e+00	0	0	0 0.0000000000	0
## CSI022	0 0.000000e+00	0	0	0 0.0000000000	0
## CSI044	0 0.000000e+00	0	0	0 0.0000000000	0
## CSI055	0 0.000000e+00	0	0	0 0.0000000000	0
## CSI065	0 0.000000e+00	0	0	0 0.0000000000	0
## CSI076	0 0.000000e+00	0	0	0 0.0000000000	0
##	0tu05403	0tu05404	0tu05405	0tu05406	0tu05407 0tu05408
## CSI001	0 0.000000e+00	0	0	0 0.00000000 0.0000000000	0
## CSI012	0 0.000000e+00	0	0	0 0.00000000 0.0000000000	0
## CSI022	0 0.000000e+00	0	0	0 0.00000000 0.0000000000	0
## CSI044	0 0.000000e+00	0	0	0 0.00000000 0.0000000000	0
## CSI055	0 2.151417e-05	0	0	0 0.00025817 0.0001721133	0
## CSI065	0 0.000000e+00	0	0	0 0.00000000 0.0000000000	0
## CSI076	0 0.000000e+00	0	0	0 0.00000000 0.0000000000	0
##	0tu05409	0tu05410	0tu05411	0tu05412	0tu05413 0tu05414
## CSI001	0.000000e+00	0 7.035977e-05	0	0 0.000000e+00	0
## CSI012	0.000000e+00	0 1.724971e-05	0	0 0.000000e+00	0
## CSI022	0.000000e+00	0 0.000000e+00	0	0 0.000000e+00	0
## CSI044	0.000000e+00	0 0.000000e+00	0	0 0.000000e+00	0
## CSI055	0.000000e+00	0 0.000000e+00	0	0 0.000000e+00	0
## CSI065	0.000000e+00	0 0.000000e+00	0	0 0.000000e+00	0
## CSI076	2.890675e-05	0 0.000000e+00	0	0 0.000000e+00	0
##	0tu05415	0tu05416	0tu05417	0tu05418	0tu05419 0tu05420 0tu05421
## CSI001	0 0.000000e+00	0	0	0	0
## CSI012	0 0.000000e+00	0	0	0	0
## CSI022	0 0.000000e+00	0	0	0	0
## CSI044	0 0.000000e+00	0	0	0	0

##	CSI055	0	2.151417e-05	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu05422	0tu05423	0tu05424	0tu05425	0tu05426	0tu05427	
##	CSI001	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	1.505992e-04	0.000000e+00	4.302833e-05	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	1.734405e-04	
##		0tu05428	0tu05429	0tu05430	0tu05431	0tu05432	0tu05433	0tu05434
##	CSI001	0	7.035977e-05	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu05435	0tu05436	0tu05437	0tu05438	0tu05439	0tu05440	
##	CSI001	0	0	0	0.0000000000	0	9.381303e-05	
##	CSI012	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI022	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI044	0	0	0	0.0000000000	0	1.971570e-05	
##	CSI055	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI065	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI076	0	0	0	0.0000000000	0	0.000000e+00	
##		0tu05441	0tu05442	0tu05443	0tu05444	0tu05445	0tu05446	
##	CSI001	0.000000e+00	0.000000e+00	0	2.345326e-05	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI076	2.890675e-05	0.000000e+00	0	0.000000e+00	0	0	
##		0tu05447	0tu05448	0tu05449	0tu05450	0tu05451	0tu05452	0tu05453
##	CSI001	0.0000000000	0	0	0	0	0	0
##	CSI012	0.0000000000	0	0	0	0	0	0
##	CSI022	0.0000000000	0	0	0	0	0	0
##	CSI044	0.0000000000	0	0	0	0	0	0
##	CSI055	0.0001721133	0	0	0	0	0	0
##	CSI065	0.0000000000	0	0	0	0	0	0
##	CSI076	0.0000000000	0	0	0	0	0	0
##		0tu05454	0tu05455	0tu05456	0tu05457	0tu05458	0tu05459	
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI012	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI055	0	4.302833e-05	2.151417e-05	0	0	0	
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0	
##		0tu05460	0tu05461	0tu05462	0tu05463	0tu05464	0tu05465	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0.0000000000	0	
##	CSI012	3.449941e-05	0	0.000000e+00	0	0.0001207479	0	

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## CSI022 0.000000e+00      0 0.000000e+00      0 0.0000000000      0
## CSI044 0.000000e+00      0 0.000000e+00      0 0.0000000000      0
## CSI055 0.000000e+00      0 0.000000e+00      0 0.0000000000      0
## CSI065 0.000000e+00      0 0.000000e+00      0 0.0000000000      0
## CSI076 0.000000e+00      0 0.000000e+00      0 0.0000000000      0
##      0tu05466 0tu05467      0tu05468 0tu05469 0tu05470      0tu05471
## CSI001      0      0 0.0000000000      0      0 0.000000e+00
## CSI012      0      0 0.0000000000      0      0 1.724971e-05
## CSI022      0      0 0.0000000000      0      0 0.000000e+00
## CSI044      0      0 0.0000197157      0      0 0.000000e+00
## CSI055      0      0 0.0000000000      0      0 0.000000e+00
## CSI065      0      0 0.0000000000      0      0 0.000000e+00
## CSI076      0      0 0.0000000000      0      0 0.000000e+00
##      0tu05472      0tu05473 0tu05474      0tu05475 0tu05476 0tu05477
## CSI001      0 0.000000e+00      0 0.0000000000      0      0
## CSI012      0 0.000000e+00      0 0.0000000000      0      0
## CSI022      0 0.000000e+00      0 0.0000000000      0      0
## CSI044      0 0.000000e+00      0 0.0002168727      0      0
## CSI055      0 0.000000e+00      0 0.0000000000      0      0
## CSI065      0 0.000000e+00      0 0.0000000000      0      0
## CSI076      0 8.672024e-05      0 0.0000000000      0      0
##      0tu05478      0tu05479      0tu05480 0tu05481 0tu05482 0tu05483
## CSI001      0 0.000000e+00 0.00000e+00      0      0      0
## CSI012      0 0.000000e+00 0.00000e+00      0      0      0
## CSI022      0 0.000000e+00 0.00000e+00      0      0      0
## CSI044      0 0.000000e+00 3.94314e-05      0      0      0
## CSI055      0 0.000000e+00 0.00000e+00      0      0      0
## CSI065      0 0.000000e+00 0.00000e+00      0      0      0
## CSI076      0 0.000000e+00 0.00000e+00      0      0      0
##      0tu05484 0tu05485 0tu05486      0tu05487 0tu05488 0tu05489 0tu05490
## CSI001      0      0      0 0.000000e+00      0      0      0
## CSI012      0      0      0 1.724971e-05      0      0      0
## CSI022      0      0      0 0.000000e+00      0      0      0
## CSI044      0      0      0 0.000000e+00      0      0      0
## CSI055      0      0      0 0.000000e+00      0      0      0
## CSI065      0      0      0 0.000000e+00      0      0      0
## CSI076      0      0      0 0.000000e+00      0      0      0
##      0tu05491 0tu05492 0tu05493      0tu05494 0tu05495 0tu05496
## CSI001 0.000000e+00      0      0 4.690652e-05      0      0
## CSI012 0.000000e+00      0      0 0.000000e+00      0      0
## CSI022 0.000000e+00      0      0 0.000000e+00      0      0
## CSI044 0.000000e+00      0      0 0.000000e+00      0      0
## CSI055 0.000000e+00      0      0 0.000000e+00      0      0
## CSI065 0.000000e+00      0      0 0.000000e+00      0      0
## CSI076 0.000000e+00      0      0 0.000000e+00      0      0
##      0tu05497 0tu05498      0tu05499 0tu05500 0tu05501 0tu05502 0tu05503
## CSI001      0      0 0.000000e+00      0      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0      0
## CSI055      0      0 4.302833e-05      0      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0      0
##      0tu05504 0tu05505      0tu05506 0tu05507 0tu05508 0tu05509 0tu05510

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##	CSI001	0	0	7.035977e-05	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##	0tu05511	0tu05512	0tu05513	0tu05514	0tu05515	0tu05516		
##	CSI001	0	0.0000000000	0	0	0	0.0000000000	
##	CSI012	0	0.0000000000	0	0	0	0.0000000000	
##	CSI022	0	0.0000000000	0	0	0	0.0000000000	
##	CSI044	0	0.0000000000	0	0	0	0.0000000000	
##	CSI055	0	0.0001075708	0	0	0	0.0000000000	
##	CSI065	0	0.0000000000	0	0	0	0.0002647404	
##	CSI076	0	0.0000000000	0	0	0	0.0000000000	
##	0tu05517	0tu05518	0tu05519	0tu05520	0tu05521	0tu05522		
##	CSI001	0	0.000000e+00	0.0000000000	0	0	0	
##	CSI012	0	0.000000e+00	0.0000000000	0	0	0	
##	CSI022	0	0.000000e+00	0.0000000000	0	0	0	
##	CSI044	0	0.000000e+00	0.0000000000	0	0	0	
##	CSI055	0	0.000000e+00	0.0000000000	0	0	0	
##	CSI065	0	0.000000e+00	0.0000000000	0	0	0	
##	CSI076	0	0.000000e+00	0.000115627	0	0	0	
##	0tu05523	0tu05524	0tu05525	0tu05526	0tu05527	0tu05528		
##	CSI001	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI012	0	1.724971e-05	0	1.724971e-05	0	0.000000e+00	
##	CSI022	0	2.151556e-05	0	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0.000000e+00	0	1.971570e-05	0	0.000000e+00	
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	2.151417e-05	
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	0tu05529	0tu05530	0tu05531	0tu05532	0tu05533	0tu05534		
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0	0	3.449941e-05	0	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0	6.45425e-05	
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00	
##	0tu05535	0tu05536	0tu05537	0tu05538	0tu05539	0tu05540	0tu05541	
##	CSI001	0	0	0	7.035977e-05	0	0	0
##	CSI012	0	0	0	1.897468e-04	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##	0tu05542	0tu05543	0tu05544	0tu05545	0tu05546	0tu05547		
##	CSI001	0.000000e+00	0	0	0	0	0.0000000000	
##	CSI012	0.000000e+00	0	0	0	0	0.0001034982	
##	CSI022	2.151556e-05	0	0	0	0	0.0000000000	
##	CSI044	0.000000e+00	0	0	0	0	0.0000000000	
##	CSI055	0.000000e+00	0	0	0	0	0.0000000000	
##	CSI065	0.000000e+00	0	0	0	0	0.0000000000	

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## CSI076 0.000000e+00      0      0      0      0 0.0000000000
##      0tu05548 0tu05549      0tu05550 0tu05551      0tu05552 0tu05553
## CSI001      0      0 0.000000e+00      0 0.000000e+00      0
## CSI012      0      0 0.000000e+00      0 0.000000e+00      0
## CSI022      0      0 0.000000e+00      0 0.000000e+00      0
## CSI044      0      0 0.000000e+00      0 0.000000e+00      0
## CSI055      0      0 0.000000e+00      0 0.000000e+00      0
## CSI065      0      0 0.000000e+00      0 0.000000e+00      0
## CSI076      0      0 0.000000e+00      0 0.000000e+00      0
##      0tu05554      0tu05555 0tu05556      0tu05557 0tu05558 0tu05559
## CSI001      0 0.000000e+00      0 0.0000000000      0      0
## CSI012      0 0.000000e+00      0 0.0000000000      0      0
## CSI022      0 0.000000e+00      0 0.0000000000      0      0
## CSI044      0 0.000000e+00      0 0.0000000000      0      0
## CSI055      0 4.302833e-05      0 0.0000000000      0      0
## CSI065      0 0.000000e+00      0 0.0000000000      0      0
## CSI076      0 0.000000e+00      0 0.0004046945      0      0
##      0tu05560 0tu05561 0tu05562      0tu05563 0tu05564 0tu05565 0tu05566
## CSI001      0      0      0 0.000000e+00      0      0      0
## CSI012      0      0      0 0.000000e+00      0      0      0
## CSI022      0      0      0 0.000000e+00      0      0      0
## CSI044      0      0      0 0.000000e+00      0      0      0
## CSI055      0      0      0 0.000000e+00      0      0      0
## CSI065      0      0      0 0.000000e+00      0      0      0
## CSI076      0      0      0 0.000000e+00      0      0      0
##      0tu05567 0tu05568 0tu05569      0tu05570 0tu05571      0tu05572
## CSI001 0.0000000000      0      0 4.690652e-05      0 0.000000e+00
## CSI012 0.0000000000      0      0 0.000000e+00      0 0.000000e+00
## CSI022 0.0000000000      0      0 0.000000e+00      0 0.000000e+00
## CSI044 0.0000000000      0      0 0.000000e+00      0 0.000000e+00
## CSI055 0.0000000000      0      0 0.000000e+00      0 0.000000e+00
## CSI065 0.0000000000      0      0 0.000000e+00      0 0.000000e+00
## CSI076 0.0000000000      0      0 2.890675e-05      0 0.000000e+00
##      0tu05573 0tu05574      0tu05575 0tu05576      0tu05577 0tu05578
## CSI001      0      0 0.000000e+00      0 0.000000e+00      0
## CSI012      0      0 5.174912e-05      0 0.000000e+00      0
## CSI022      0      0 0.000000e+00      0 0.000000e+00      0
## CSI044      0      0 0.000000e+00      0 0.000000e+00      0
## CSI055      0      0 0.000000e+00      0 0.000000e+00      0
## CSI065      0      0 0.000000e+00      0 0.000000e+00      0
## CSI076      0      0 0.000000e+00      0 0.000000e+00      0
##      0tu05579      0tu05580 0tu05581 0tu05582 0tu05583      0tu05584
## CSI001 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI012 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI022 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI044 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI055 2.151417e-05 0.000000e+00      0      0      0 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI076 0.000000e+00 0.000000e+00      0      0      0 2.890675e-05
##      0tu05585 0tu05586 0tu05587 0tu05588      0tu05589      0tu05590
## CSI001 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI012 0.000000e+00      0      0      0 1.724971e-05 0.000000e+00
## CSI022 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00

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## CSI055 0.000000e+00      0      0      0 0.000000e+00 4.302833e-05
## CSI065 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI076 2.890675e-05      0      0      0 2.890675e-05 0.000000e+00
##      0tu05591 0tu05592 0tu05593 0tu05594 0tu05595      0tu05596 0tu05597
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 1.97157e-05      0
## CSI055      0      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu05598      0tu05599 0tu05600 0tu05601      0tu05602
## CSI001 0.000000e+00 0.000000e+00      0      0 2.345326e-05
## CSI012 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI022 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI044 3.943140e-05 0.000000e+00      0      0 0.000000e+00
## CSI055 0.000000e+00 0.000000e+00      0      0 1.936275e-04
## CSI065 3.782005e-05 0.000000e+00      0      0 0.000000e+00
## CSI076 0.000000e+00 8.672024e-05      0      0 0.000000e+00
##      0tu05603 0tu05604 0tu05605 0tu05606      0tu05607 0tu05608
## CSI001 0.000000e+00      0      0      0 0.000000e+00      0
## CSI012 0.000000e+00      0      0      0 0.000000e+00      0
## CSI022 0.000000e+00      0      0      0 0.000000e+00      0
## CSI044 0.000000e+00      0      0      0 0.000000e+00      0
## CSI055 2.151417e-05      0      0      0 2.151417e-05      0
## CSI065 0.000000e+00      0      0      0 0.000000e+00      0
## CSI076 0.000000e+00      0      0      0 8.672024e-05      0
##      0tu05609 0tu05610 0tu05611 0tu05612      0tu05613 0tu05614 0tu05615
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 0.000000e+00      0      0
## CSI022      0      0      0      0 0.000000e+00      0      0
## CSI044      0      0      0      0 0.000000e+00      0      0
## CSI055      0      0      0      0 0.000000e+00      0      0
## CSI065      0      0      0      0 3.782005e-05      0      0
## CSI076      0      0      0      0 0.000000e+00      0      0
##      0tu05616 0tu05617 0tu05618      0tu05619 0tu05620 0tu05621 0tu05622
## CSI001      0      0      0 2.345326e-05      0      0      0
## CSI012      0      0      0 0.000000e+00      0      0      0
## CSI022      0      0      0 4.303111e-05      0      0      0
## CSI044      0      0      0 0.000000e+00      0      0      0
## CSI055      0      0      0 0.000000e+00      0      0      0
## CSI065      0      0      0 0.000000e+00      0      0      0
## CSI076      0      0      0 0.000000e+00      0      0      0
##      0tu05623 0tu05624 0tu05625 0tu05626      0tu05627 0tu05628 0tu05629
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 0.000000e+00      0      0
## CSI022      0      0      0      0 0.000000e+00      0      0
## CSI044      0      0      0      0 0.000000e+00      0      0
## CSI055      0      0      0      0 1.075708e-04      0      0
## CSI065      0      0      0      0 0.000000e+00      0      0
## CSI076      0      0      0      0 0.000000e+00      0      0
##      0tu05630 0tu05631 0tu05632 0tu05633      0tu05634 0tu05635 0tu05636
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 0.000000e+00      0      0

```

##	CSI022	0	0	0	0 0.00000e+00	0	0
##	CSI044	0	0	0	0 1.97157e-05	0	0
##	CSI055	0	0	0	0 0.00000e+00	0	0
##	CSI065	0	0	0	0 0.00000e+00	0	0
##	CSI076	0	0	0	0 0.00000e+00	0	0
##		0tu05637	0tu05638	0tu05639	0tu05640	0tu05641	0tu05642 0tu05643
##	CSI001	0	0	0 0.0000000000	0	0	0
##	CSI012	0	0	0 0.0000000000	0	0	0
##	CSI022	0	0	0 0.0000000000	0	0	0
##	CSI044	0	0	0 0.0000000000	0	0	0
##	CSI055	0	0	0 0.0000000000	0	0	0
##	CSI065	0	0	0 0.0000000000	0	0	0
##	CSI076	0	0	0 0.0000000000	0	0	0
##		0tu05644	0tu05645	0tu05646	0tu05647	0tu05648	0tu05649
##	CSI001	0	0	0	0 0.0003283456	0.000000e+00	
##	CSI012	0	0	0	0 0.0000000000	0.000000e+00	
##	CSI022	0	0	0	0 0.0000000000	0.000000e+00	
##	CSI044	0	0	0	0 0.0000000000	0.000000e+00	
##	CSI055	0	0	0	0 0.0000000000	2.151417e-05	
##	CSI065	0	0	0	0 0.0000000000	0.000000e+00	
##	CSI076	0	0	0	0 0.0000000000	0.000000e+00	
##		0tu05650	0tu05651	0tu05652	0tu05653	0tu05654	0tu05655
##	CSI001	0 0.000000e+00		0	0	0 0.000000e+00	
##	CSI012	0 0.000000e+00		0	0	0 0.000000e+00	
##	CSI022	0 0.000000e+00		0	0	0 0.000000e+00	
##	CSI044	0 0.000000e+00		0	0	0 0.000000e+00	
##	CSI055	0 0.000000e+00		0	0	0 2.366558e-04	
##	CSI065	0 0.000000e+00		0	0	0 0.000000e+00	
##	CSI076	0 0.000000e+00		0	0	0 0.000000e+00	
##		0tu05656	0tu05657	0tu05658	0tu05659	0tu05660	0tu05661 0tu05662
##	CSI001	0	0 0.0000000000		0	0	0 0
##	CSI012	0	0 0.0001552474		0	0	0 0
##	CSI022	0	0 0.0000000000		0	0	0 0
##	CSI044	0	0 0.0000000000		0	0	0 0
##	CSI055	0	0 0.0000000000		0	0	0 0
##	CSI065	0	0 0.0000000000		0	0	0 0
##	CSI076	0	0 0.0000000000		0	0	0 0
##		0tu05663	0tu05664	0tu05665	0tu05666	0tu05667	0tu05668
##	CSI001	0	0	0 0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0 0.000000e+00	1.724971e-05	0.000000e+00	
##	CSI022	0	0	0 0.000000e+00	0.000000e+00	4.303111e-05	
##	CSI044	0	0	0 0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0 0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI065	0	0	0 0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0 2.890675e-05	0.000000e+00	0.000000e+00	
##		0tu05669	0tu05670	0tu05671	0tu05672	0tu05673	0tu05674
##	CSI001	0.000000e+00	0.000000e+00		0 4.690652e-05	0	0
##	CSI012	0.000000e+00	0.000000e+00		0 3.449941e-05	0	0
##	CSI022	0.000000e+00	0.000000e+00		0 0.000000e+00	0	0
##	CSI044	0.000000e+00	0.000000e+00		0 0.000000e+00	0	0
##	CSI055	2.151417e-05	0.000000e+00		0 0.000000e+00	0	0
##	CSI065	0.000000e+00	0.000000e+00		0 0.000000e+00	0	0
##	CSI076	0.000000e+00	0.000000e+00		0 0.000000e+00	0	0
##		0tu05675	0tu05676	0tu05677	0tu05678	0tu05679	0tu05680

##	CSI001	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI022	2.151556e-05	0.000000e+00	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##		0tu05681	0tu05682	0tu05683	0tu05684	0tu05685	0tu05686	0tu05687
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu05688	0tu05689	0tu05690	0tu05691	0tu05692	0tu05693	
##	CSI001	0	0	0.000000e+00	0	0	2.345326e-05	
##	CSI012	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI022	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI044	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI055	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI065	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI076	0	0	0.000000e+00	0	0	0.000000e+00	
##		0tu05694	0tu05695	0tu05696	0tu05697	0tu05698	0tu05699	0tu05700
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu05701	0tu05702	0tu05703	0tu05704	0tu05705	0tu05706	0tu05707
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu05708	0tu05709	0tu05710	0tu05711	0tu05712	0tu05713	
##	CSI001	0	0	0	0.000000e+00	0	2.345326e-05	
##	CSI012	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00	
##		0tu05714	0tu05715	0tu05716	0tu05717	0tu05718	0tu05719	
##	CSI001	0	0	0.000000e+00	0	7.035977e-05	0	
##	CSI012	0	0	0.000000e+00	0	1.724971e-05	0	
##	CSI022	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0	

##	CSI076	0	0	5.781349e-05	0	0.000000e+00	0
##		0tu05720	0tu05721	0tu05722	0tu05723	0tu05724	0tu05725 0tu05726
##	CSI001	0	0	0	0	0	0.000000e+00 0
##	CSI012	0	0	0	0	0	0.000000e+00 0
##	CSI022	0	0	0	0	0	0.000000e+00 0
##	CSI044	0	0	0	0	0	0.000000e+00 0
##	CSI055	0	0	0	0	0	0.000000e+00 0
##	CSI065	0	0	0	0	0	0.000000e+00 0
##	CSI076	0	0	0	0	0	5.781349e-05 0
##		0tu05727	0tu05728	0tu05729	0tu05730	0tu05731	0tu05732
##	CSI001	0.000000e+00	0	0.0000000000	0	0.000000e+00	0
##	CSI012	1.724971e-05	0	0.0000000000	0	0.000000e+00	0
##	CSI022	0.000000e+00	0	0.0000000000	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0.0000000000	0	0.000000e+00	0
##	CSI055	0.000000e+00	0	0.0000000000	0	0.000000e+00	0
##	CSI065	0.000000e+00	0	0.0000000000	0	0.000000e+00	0
##	CSI076	0.000000e+00	0	0.0000000000	0	0.000000e+00	0
##		0tu05733	0tu05734	0tu05735	0tu05736	0tu05737	0tu05738
##	CSI001	0	0	2.345326e-05	0	0	0.000000e+00
##	CSI012	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI022	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI044	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI055	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI065	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI076	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu05739	0tu05740	0tu05741	0tu05742	0tu05743	0tu05744
##	CSI001	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI012	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI022	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI055	0	0	8.605667e-05	0.000000e+00	0	0.000000e+00
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##		0tu05745	0tu05746	0tu05747	0tu05748	0tu05749	0tu05750
##	CSI001	0.000000e+00	0	0	2.345326e-05	0	0
##	CSI012	3.449941e-05	0	0	3.449941e-05	0	0
##	CSI022	6.454667e-05	0	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0	0	1.380099e-04	0	0
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu05751	0tu05752	0tu05753	0tu05754	0tu05755	0tu05756 0tu05757
##	CSI001	0	0	0	0	0	0 0
##	CSI012	0	0	0	0	0	0 0
##	CSI022	0	0	0	0	0	0 0
##	CSI044	0	0	0	0	0	0 0
##	CSI055	0	0	0	0	0	0 0
##	CSI065	0	0	0	0	0	0 0
##	CSI076	0	0	0	0	0	0 0
##		0tu05758	0tu05759	0tu05760	0tu05761	0tu05762	0tu05763
##	CSI001	0	0	2.345326e-05	0.000000e+00	0	0
##	CSI012	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI022	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI044	0	0	0.000000e+00	1.97157e-05	0	0

##	CSI055	0	0	0.000000e+00	6.45425e-05	0	0
##	CSI065	0	0	0.000000e+00	0.00000e+00	0	0
##	CSI076	0	0	0.000000e+00	0.00000e+00	0	0
##		0tu05764	0tu05765	0tu05766	0tu05767	0tu05768	0tu05769
##	CSI001	0	0	0	0.000000e+00	2.345326e-05	0.000000e+00
##	CSI012	0	0	0	0.000000e+00	3.449941e-05	0.000000e+00
##	CSI022	0	0	0	2.151556e-05	0.000000e+00	0.000000e+00
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	4.302833e-05
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	5.781349e-05
##		0tu05770	0tu05771	0tu05772	0tu05773	0tu05774	0tu05775
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	1.134602e-04	0	0	0	0
##	CSI076	5.781349e-05	0.000000e+00	0	0	0	0
##		0tu05776	0tu05777	0tu05778	0tu05779	0tu05780	0tu05781
##	CSI001	0	0	2.345326e-05	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0
##		0tu05783	0tu05784	0tu05785	0tu05786	0tu05787	0tu05788
##	CSI001	0	0	0.0000000000	0	0	0.000000e+00
##	CSI012	0	0	0.0000000000	0	0	0.000000e+00
##	CSI022	0	0	0.0000000000	0	0	0.000000e+00
##	CSI044	0	0	0.0000000000	0	0	0.000000e+00
##	CSI055	0	0	0.0000000000	0	0	4.302833e-05
##	CSI065	0	0	0.0000000000	0	0	0.000000e+00
##	CSI076	0	0	0.0000000000	0	0	0.000000e+00
##		0tu05789	0tu05790	0tu05791	0tu05792	0tu05793	
##	CSI001	0.0000000000	2.345326e-05	0	0	2.345326e-05	
##	CSI012	0.0000000000	0.000000e+00	0	0	0.000000e+00	
##	CSI022	0.0000000000	0.000000e+00	0	0	2.151556e-05	
##	CSI044	0.0000000000	0.000000e+00	0	0	0.000000e+00	
##	CSI055	0.0000000000	0.000000e+00	0	0	0.000000e+00	
##	CSI065	0.0000000000	0.000000e+00	0	0	0.000000e+00	
##	CSI076	0.0000000000	0.000000e+00	0	0	0.000000e+00	
##		0tu05794	0tu05795	0tu05796	0tu05797	0tu05798	0tu05799
##	CSI001	2.345326e-05	0	2.345326e-05	0	0	0.000000e+00
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI076	5.781349e-05	0	0.000000e+00	0	0	0.000000e+00
##		0tu05800	0tu05801	0tu05802	0tu05803	0tu05804	0tu05805
##	CSI001	0	4.690652e-05	2.345326e-05	2.345326e-05	0	0
##	CSI012	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0

##	CSI022	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI055	0	0.000000e+00	0.000000e+00	4.302833e-05	0	0
##	CSI065	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI076	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	0tu05806	0tu05807	0tu05808	0tu05809	0tu05810	0tu05811	
##	CSI001	0	0.000000e+00	0	0.0000000000	0.0000000000	0
##	CSI012	0	3.449941e-05	0	0.0000000000	0.0000000000	0
##	CSI022	0	0.000000e+00	0	0.0000000000	0.0000000000	0
##	CSI044	0	0.000000e+00	0	0.0000000000	0.0000000000	0
##	CSI055	0	0.000000e+00	0	0.0000000000	0.0000000000	0
##	CSI065	0	0.000000e+00	0	0.0000000000	0.0000000000	0
##	CSI076	0	0.000000e+00	0	0.0000000000	0.0000000000	0
##	0tu05812	0tu05813	0tu05814	0tu05815	0tu05816	0tu05817	0tu05818
##	CSI001	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0.000000e+00	0	0
##	0tu05819	0tu05820	0tu05821	0tu05822	0tu05823	0tu05824	
##	CSI001	0	0	0	0.000000e+00	0	0.0000000000
##	CSI012	0	0	1.724971e-05	0	0	0.0000000000
##	CSI022	0	0	0.000000e+00	0	0	0.0000000000
##	CSI044	0	0	0.000000e+00	0	0	0.0000000000
##	CSI055	0	0	0.000000e+00	0	0	0.0002151417
##	CSI065	0	0	0.000000e+00	0	0	0.0000000000
##	CSI076	0	0	0.000000e+00	0	0	0.0000000000
##	0tu05825	0tu05826	0tu05827	0tu05828	0tu05829	0tu05830	0tu05831
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##	0tu05832	0tu05833	0tu05834	0tu05835	0tu05836		
##	CSI001	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI012	0	0.000000e+00	0.000000e+00	3.449941e-05	0.000000e+00	
##	CSI022	0	0.000000e+00	6.454667e-05	0.000000e+00	0.000000e+00	
##	CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI065	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	0tu05837	0tu05838	0tu05839	0tu05840	0tu05841	0tu05842	
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI012	0	0	0	3.449941e-05	0	0.000000e+00
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00
##	0tu05843	0tu05844	0tu05845	0tu05846	0tu05847	0tu05848	0tu05849

##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu05850	0tu05851	0tu05852	0tu05853	0tu05854	0tu05855
##	CSI001	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI012	1.724971e-05	0	0.000000e+00	0	0.000000e+00	0
##	CSI022	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI055	2.151417e-05	0	2.151417e-05	0	0.000000e+00	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##		0tu05856	0tu05857	0tu05858	0tu05859	0tu05860	0tu05861
##	CSI001	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI012	0	0	1.724971e-05	0.000000e+00	0	0
##	CSI022	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI055	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu05862	0tu05863	0tu05864	0tu05865	0tu05866	0tu05867
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu05869	0tu05870	0tu05871	0tu05872	0tu05873	0tu05874
##	CSI001	0	2.345326e-05	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	4.302833e-05	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##		0tu05876	0tu05877	0tu05878	0tu05879	0tu05880	0tu05881
##	CSI001	0	0	0	0	4.690652e-05	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	2.151556e-05	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu05882	0tu05883	0tu05884	0tu05885	0tu05886	0tu05887
##	CSI001	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##	CSI012	3.449941e-05	0	0	0.0000000000	0	1.724971e-05
##	CSI022	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##	CSI044	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##	CSI055	0.000000e+00	0	0	0.0001075708	0	0.000000e+00
##	CSI065	0.000000e+00	0	0	0.0000000000	0	0.000000e+00

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## CSI076 0.000000e+00      0      0 0.0000000000      0 0.000000e+00
##      0tu05888 0tu05889 0tu05890 0tu05891 0tu05892 0tu05893
## CSI001 0.000000e+00      0      0      0      0      0
## CSI012 1.724971e-05      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0
##      0tu05894 0tu05895 0tu05896      0tu05897      0tu05898
## CSI001 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI012 0.000000e+00      0      0 5.174912e-05 0.000000e+00
## CSI022 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00      0      0 0.000000e+00 0.000000e+00
##      0tu05899 0tu05900      0tu05901      0tu05902 0tu05903
## CSI001 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI012 0.000000e+00      0 1.724971e-05 0.000000e+00      0
## CSI022 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI055 1.075708e-04      0 1.290850e-04 2.151417e-05      0
## CSI065 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI076 0.000000e+00      0 0.000000e+00 2.890675e-05      0
##      0tu05904 0tu05905 0tu05906      0tu05907      0tu05908
## CSI001 0.000000e+00      0      0 0.0000000000 0.000000e+00
## CSI012 0.000000e+00      0      0 0.0000000000 0.000000e+00
## CSI022 0.000000e+00      0      0 0.0000000000 0.000000e+00
## CSI044 0.000000e+00      0      0 0.0000000000 0.000000e+00
## CSI055 0.000000e+00      0      0 0.0001721133 4.302833e-05
## CSI065 7.56401e-05      0      0 0.0000000000 0.000000e+00
## CSI076 0.000000e+00      0      0 0.0000000000 5.781349e-05
##      0tu05909 0tu05910 0tu05911 0tu05912 0tu05913 0tu05914 0tu05915
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 4.302833e-05      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu05916 0tu05917 0tu05918 0tu05919      0tu05920      0tu05921
## CSI001      0      0      0      0 0.000000e+00 0.000000e+00
## CSI012      0      0      0      0 0.000000e+00 0.000000e+00
## CSI022      0      0      0      0 0.000000e+00 0.000000e+00
## CSI044      0      0      0      0 0.000000e+00 0.000000e+00
## CSI055      0      0      0      0 0.000000e+00 0.000000e+00
## CSI065      0      0      0      0 0.000000e+00 0.000000e+00
## CSI076      0      0      0      0 2.890675e-05 0.000000e+00
##      0tu05922      0tu05923 0tu05924 0tu05925 0tu05926 0tu05927
## CSI001      0 0.000000e+00      0      0      0      0
## CSI012      0 0.000000e+00      0      0      0      0
## CSI022      0 0.000000e+00      0      0      0      0
## CSI044      0 0.000000e+00      0      0      0      0

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##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##		0tu05928	0tu05929	0tu05930	0tu05931	0tu05932	0tu05933
##	CSI001	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	6.454667e-05	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##		0tu05934	0tu05935	0tu05936	0tu05937	0tu05938	0tu05939
##	CSI001	0	0	0	9.381303e-05	0	0
##	CSI012	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0.000000e+00	0	0
##		0tu05940	0tu05941	0tu05942	0tu05943	0tu05944	
##	CSI001	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI022	0.000000e+00	0.000000e+00	2.151556e-05	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI076	2.890675e-05	2.890675e-05	0.000000e+00	0	0	
##		0tu05945	0tu05946	0tu05947	0tu05948	0tu05949	0tu05950
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	2.890675e-05	0	0	0	0	0
##		0tu05952	0tu05953	0tu05954	0tu05955	0tu05956	0tu05957
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		0tu05958	0tu05959	0tu05960	0tu05961	0tu05962	
##	CSI001	0.0000000000	2.345326e-05	0	0.000000e+00	0.000000e+00	
##	CSI012	0.0000000000	5.174912e-05	0	0.000000e+00	1.724971e-05	
##	CSI022	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI044	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI055	0.0001936275	0.000000e+00	0	4.302833e-05	0.000000e+00	
##	CSI065	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI076	0.0000000000	0.000000e+00	0	0.000000e+00	0.000000e+00	
##		0tu05963	0tu05964	0tu05965	0tu05966	0tu05967	0tu05968
##	CSI001	0	0	0	0.0001641728	0	0
##	CSI012	0	0	0	0.0000000000	0	0

##	CSI022	0	0	0	0.0000000000	0	0
##	CSI044	0	0	0	0.0000000000	0	0
##	CSI055	0	0	0	0.0000000000	0	0
##	CSI065	0	0	0	0.0000000000	0	0
##	CSI076	0	0	0	0.0000000000	0	0
##		0tu05969	0tu05970	0tu05971	0tu05972	0tu05973	
##	CSI001	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0.000000e+00	2.890675e-05	0	0.000000e+00	0	
##		0tu05974	0tu05975	0tu05976	0tu05977	0tu05978	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0.0000000000	
##	CSI012	1.724971e-05	0	0.000000e+00	0	0.0000000000	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0.0001290933	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.0000000000	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0.0000000000	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0.0000000000	
##	CSI076	0.000000e+00	0	5.781349e-05	0	0.0000000000	
##		0tu05979	0tu05980	0tu05981	0tu05982	0tu05983	0tu05984
##	CSI001	4.690652e-05	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		0tu05986	0tu05987	0tu05988	0tu05989	0tu05990	0tu05991
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	8.605667e-05	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu05992	0tu05993	0tu05994	0tu05995	0tu05996	0tu05997
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu05999	0tu06000	0tu06001	0tu06002	0tu06003	0tu06004
##	CSI001	0.000000e+00	0	0	0.000000e+00	4.690652e-05	0
##	CSI012	0.000000e+00	0	0	3.449941e-05	5.174912e-05	0
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI055	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI065	0.000000e+00	0	0	3.782005e-05	0.000000e+00	0
##	CSI076	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##		0tu06005	0tu06006	0tu06007	0tu06008	0tu06009	0tu06010

##	CSI001	0.0000000000	0	0	2.345326e-05	0	0	
##	CSI012	0.0000000000	0	0	0.000000e+00	0	0	
##	CSI022	0.0000000000	0	0	0.000000e+00	0	0	
##	CSI044	0.0000000000	0	0	0.000000e+00	0	0	
##	CSI055	0.0000000000	0	0	0.000000e+00	0	0	
##	CSI065	0.0004160206	0	0	0.000000e+00	0	0	
##	CSI076	0.0000000000	0	0	0.000000e+00	0	0	
##		0tu06011	0tu06012	0tu06013	0tu06014	0tu06015	0tu06016	0tu06017
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	6.454667e-05	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu06018	0tu06019	0tu06020	0tu06021	0tu06022	0tu06023	
##	CSI001	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI012	0	1.724971e-05	0	1.724971e-05	0	0	
##	CSI022	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0	
##		0tu06024	0tu06025	0tu06026	0tu06027	0tu06028	0tu06029	
##	CSI001	0	0	0	0.000000e+00	2.345326e-05	1.876261e-04	
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	3.943140e-05	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	3.782005e-05	
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu06030	0tu06031	0tu06032	0tu06033	0tu06034	0tu06035	0tu06036
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	3.449941e-05	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu06037	0tu06038	0tu06039	0tu06040	0tu06041	0tu06042	
##	CSI001	0	0	0.000000e+00	7.035977e-05	0	0	
##	CSI012	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI022	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI044	0	0	1.97157e-05	0.000000e+00	0	0	
##	CSI055	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0	
##		0tu06043	0tu06044	0tu06045	0tu06046	0tu06047	0tu06048	0tu06049
##	CSI001	0.0000000000	0	0	0	0	0	0
##	CSI012	0.0000000000	0	0	0	0	0	0
##	CSI022	0.0000000000	0	0	0	0	0	0
##	CSI044	0.0000000000	0	0	0	0	0	0
##	CSI055	0.0000000000	0	0	0	0	0	0
##	CSI065	0.0000000000	0	0	0	0	0	0

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## CSI076 0.0000000000      0      0      0      0      0      0
##      0tu06050 0tu06051 0tu06052      0tu06053 0tu06054 0tu06055
## CSI001      0      0      0 0.0000000000      0      0
## CSI012      0      0      0 0.0000000000      0      0
## CSI022      0      0      0 0.0000000000      0      0
## CSI044      0      0      0 0.0000000000      0      0
## CSI055      0      0      0 0.0001075708      0      0
## CSI065      0      0      0 0.0000000000      0      0
## CSI076      0      0      0 0.0000000000      0      0
##      0tu06056 0tu06057 0tu06058 0tu06059 0tu06060 0tu06061 0tu06062
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 8.672024e-05      0      0      0      0      0      0
##      0tu06063 0tu06064 0tu06065 0tu06066 0tu06067 0tu06068 0tu06069
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu06070 0tu06071 0tu06072 0tu06073 0tu06074 0tu06075 0tu06076
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu06077 0tu06078 0tu06079 0tu06080      0tu06081 0tu06082 0tu06083
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 0.000000e+00      0      0
## CSI022      0      0      0      0 0.000000e+00      0      0
## CSI044      0      0      0      0 0.000000e+00      0      0
## CSI055      0      0      0      0 0.000000e+00      0      0
## CSI065      0      0      0      0 0.000000e+00      0      0
## CSI076      0      0      0      0 0.000000e+00      0      0
##      0tu06084 0tu06085 0tu06086 0tu06087 0tu06088      0tu06089 0tu06090
## CSI001      0      0      0      0      0 2.345326e-05      0
## CSI012      0      0      0      0      0 5.174912e-05      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu06091 0tu06092      0tu06093 0tu06094      0tu06095 0tu06096
## CSI001      0      0 0.000000e+00      0 0.000000e+00      0
## CSI012      0      0 0.000000e+00      0 0.000000e+00      0
## CSI022      0      0 1.075778e-04      0 0.000000e+00      0
## CSI044      0      0 0.000000e+00      0 0.000000e+00      0

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## CSI055      0      0 0.000000e+00      0 0.000000e+00      0
## CSI065      0      0 0.000000e+00      0 0.000000e+00      0
## CSI076      0      0 0.000000e+00      0 0.000000e+00      0
##      0tu06097 0tu06098 0tu06099 0tu06100      0tu06101 0tu06102 0tu06103
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 0.000000e+00      0      0
## CSI022      0      0      0      0 0.000000e+00      0      0
## CSI044      0      0      0      0 0.000000e+00      0      0
## CSI055      0      0      0      0 0.000000e+00      0      0
## CSI065      0      0      0      0 0.000000e+00      0      0
## CSI076      0      0      0      0 2.890675e-05      0      0
##      0tu06104 0tu06105 0tu06106 0tu06107 0tu06108      0tu06109
## CSI001 0.000000e+00      0      0      0      0 0.000000e+00
## CSI012 0.000000e+00      0      0      0      0 0.000000e+00
## CSI022 0.000000e+00      0      0      0      0 0.000000e+00
## CSI044 1.97157e-05      0      0      0      0 0.000000e+00
## CSI055 0.000000e+00      0      0      0      0 0.000000e+00
## CSI065 0.000000e+00      0      0      0      0 0.000000e+00
## CSI076 0.000000e+00      0      0      0      0 0.000000e+00
##      0tu06110      0tu06111 0tu06112 0tu06113 0tu06114 0tu06115 0tu06116
## CSI001      0 0.0000000000      0      0      0      0      0
## CSI012      0 0.0001897468      0      0      0      0      0
## CSI022      0 0.0000000000      0      0      0      0      0
## CSI044      0 0.0000000000      0      0      0      0      0
## CSI055      0 0.0000000000      0      0      0      0      0
## CSI065      0 0.0000000000      0      0      0      0      0
## CSI076      0 0.0000000000      0      0      0      0      0
##      0tu06117 0tu06118 0tu06119 0tu06120 0tu06121 0tu06122 0tu06123
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu06124 0tu06125 0tu06126 0tu06127 0tu06128      0tu06129
## CSI001 0.0000000000      0      0      0      0 0.000000e+00
## CSI012 0.0000000000      0      0      0      0 0.000000e+00
## CSI022 0.0001075778      0      0      0      0 0.000000e+00
## CSI044 0.0000000000      0      0      0      0 0.000000e+00
## CSI055 0.0000000000      0      0      0      0 2.151417e-05
## CSI065 0.0000000000      0      0      0      0 0.000000e+00
## CSI076 0.0000000000      0      0      0      0 0.000000e+00
##      0tu06130      0tu06131 0tu06132 0tu06133 0tu06134      0tu06135
## CSI001      0 0.000000e+00      0      0      0 0.000000e+00
## CSI012      0 1.724971e-05      0      0      0 0.000000e+00
## CSI022      0 0.000000e+00      0      0      0 0.000000e+00
## CSI044      0 0.000000e+00      0      0      0 0.000000e+00
## CSI055      0 0.000000e+00      0      0      0 4.302833e-05
## CSI065      0 0.000000e+00      0      0      0 0.000000e+00
## CSI076      0 0.000000e+00      0      0      0 0.000000e+00
##      0tu06136 0tu06137 0tu06138      0tu06139      0tu06140 0tu06141
## CSI001      0      0      0 4.690652e-05 4.690652e-05      0
## CSI012      0      0      0 0.000000e+00 3.449941e-05      0

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##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0	
##		Otu06142	Otu06143	Otu06144	Otu06145	Otu06146	Otu06147	Otu06148
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu06149	Otu06150	Otu06151	Otu06152	Otu06153	Otu06154	
##	CSI001	0	0	0	0	0.000000e+00	2.345326e-05	
##	CSI012	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI022	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0	0	0.000000e+00	0.000000e+00	
##		Otu06155	Otu06156	Otu06157	Otu06158	Otu06159	Otu06160	
##	CSI001	0	0	0	0	0	0.000000e+00	
##	CSI012	0	0	0	0	0	0.000000e+00	
##	CSI022	0	0	0	0	0	2.151556e-05	
##	CSI044	0	0	0	0	0	0.000000e+00	
##	CSI055	0	0	0	0	0	0.000000e+00	
##	CSI065	0	0	0	0	0	0.000000e+00	
##	CSI076	0	0	0	0	0	0.000000e+00	
##		Otu06161	Otu06162	Otu06163	Otu06164	Otu06165	Otu06166	
##	CSI001	4.690652e-05	0	0	2.345326e-05	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	2.151556e-05	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI055	4.302833e-05	0	0	0.000000e+00	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	7.564010e-05	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	5.781349e-05	0	
##		Otu06167	Otu06168	Otu06169	Otu06170	Otu06171	Otu06172	Otu06173
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu06174	Otu06175	Otu06176	Otu06177	Otu06178		
##	CSI001	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI012	0.000000e+00	0	0.000000e+00	5.174912e-05	0.000000e+00		
##	CSI022	0.000000e+00	0	0.000000e+00	0.000000e+00	2.151556e-05		
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI055	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI065	0.000000e+00	0	0.000000e+00	7.564010e-05	0.000000e+00		
##	CSI076	2.890675e-05	0	0.000000e+00	0.000000e+00	0.000000e+00		
##		Otu06179	Otu06180	Otu06181	Otu06182	Otu06183	Otu06184	

##	CSI001	0	0	0	0	9.381303e-05	2.345326e-05
##	CSI012	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI022	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI055	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI076	0	0	0	0	0.000000e+00	0.000000e+00
##		0tu06185	0tu06186	0tu06187	0tu06188	0tu06189	0tu06190
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu06192	0tu06193	0tu06194	0tu06195	0tu06196	0tu06197
##	CSI001	0.000000e+00	0	0	0	0	1.172663e-04
##	CSI012	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI055	4.302833e-05	0	0	0	0	0.000000e+00
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu06198	0tu06199	0tu06200	0tu06201	0tu06202	0tu06203
##	CSI001	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI012	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI022	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	0	0.000000e+00	0	0	0	2.151417e-05
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI076	0	5.781349e-05	0	0	0	0.000000e+00
##		0tu06204	0tu06205	0tu06206	0tu06207	0tu06208	0tu06209
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu06211	0tu06212	0tu06213	0tu06214	0tu06215	0tu06216
##	CSI001	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI012	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI022	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI044	0	0.000000e+00	0	1.971570e-04	0	0
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0
##		0tu06217	0tu06218	0tu06219	0tu06220	0tu06221	0tu06222
##	CSI001	0	0.000000e+00	0	0	0	7.035977e-05
##	CSI012	0	5.174912e-05	0	0	0	0.000000e+00
##	CSI022	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00

## CSI076	0	0.000000e+00	0	0	0	0.000000e+00
##	0tu06223	0tu06224	0tu06225	0tu06226	0tu06227	0tu06228 0tu06229
## CSI001	0	0	0	0	0	0.000000e+00 0
## CSI012	0	0	0	0	0	5.174912e-05 0
## CSI022	0	0	0	0	0	0.000000e+00 0
## CSI044	0	0	0	0	0	0.000000e+00 0
## CSI055	0	0	0	0	0	0.000000e+00 0
## CSI065	0	0	0	0	0	0.000000e+00 0
## CSI076	0	0	0	0	0	0.000000e+00 0
##	0tu06230	0tu06231	0tu06232	0tu06233	0tu06234	0tu06235
## CSI001	0.000000e+00	0	1.407195e-04	0	0	0
## CSI012	0.000000e+00	0	0.000000e+00	0	0	0
## CSI022	0.000000e+00	0	0.000000e+00	0	0	0
## CSI044	0.000000e+00	0	0.000000e+00	0	0	0
## CSI055	0.000000e+00	0	0.000000e+00	0	0	0
## CSI065	0.000000e+00	0	0.000000e+00	0	0	0
## CSI076	0.000000e+00	0	0.000000e+00	0	0	0
##	0tu06236	0tu06237	0tu06238	0tu06239	0tu06240	0tu06241 0tu06242
## CSI001	0	0	0	0	0.000000e+00	0 0
## CSI012	0	0	0	0	0.000000e+00	0 0
## CSI022	0	0	0	0	0.000000e+00	0 0
## CSI044	0	0	0	0	0.000000e+00	0 0
## CSI055	0	0	0	0	0.000000e+00	0 0
## CSI065	0	0	0	0	0.000000e+00	0 0
## CSI076	0	0	0	0	0.000000e+00	0 0
##	0tu06243	0tu06244	0tu06245	0tu06246	0tu06247	0tu06248
## CSI001	0	2.345326e-05	0	0	0.000000e+00	0
## CSI012	0	1.724971e-05	0	0	3.449941e-05	0
## CSI022	0	0.000000e+00	0	0	0.000000e+00	0
## CSI044	0	0.000000e+00	0	0	0.000000e+00	0
## CSI055	0	0.000000e+00	0	0	0.000000e+00	0
## CSI065	0	0.000000e+00	0	0	0.000000e+00	0
## CSI076	0	0.000000e+00	0	0	0.000000e+00	0
##	0tu06249	0tu06250	0tu06251	0tu06252	0tu06253	0tu06254
## CSI001	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
## CSI012	1.724971e-05	0	0.000000e+00	0	1.724971e-05	0
## CSI022	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
## CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
## CSI055	0.000000e+00	0	1.075708e-04	0	0.000000e+00	0
## CSI065	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
## CSI076	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	0tu06255	0tu06256	0tu06257	0tu06258	0tu06259	0tu06260
## CSI001	0	0	0.000000e+00	0.000000000	0	0.0000000000
## CSI012	0	0	3.449941e-05	0.000000000	0	0.0000000000
## CSI022	0	0	0.000000e+00	0.000000000	0	0.0000000000
## CSI044	0	0	0.000000e+00	0.000000000	0	0.0000000000
## CSI055	0	0	0.000000e+00	0.000000000	0	0.0000000000
## CSI065	0	0	0.000000e+00	0.000000000	0	0.0000000000
## CSI076	0	0	0.000000e+00	0.000231254	0	0.0001445337
##	0tu06261	0tu06262	0tu06263	0tu06264	0tu06265	0tu06266 0tu06267
## CSI001	0	0	0	0	0	0.000000e+00 0
## CSI012	0	0	0	0	0	0.000000e+00 0
## CSI022	0	0	0	0	0	0.000000e+00 0
## CSI044	0	0	0	0	0	0.000000e+00 0

##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu06268	0tu06269	0tu06270	0tu06271	0tu06272	0tu06273	0tu06274
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu06275	0tu06276	0tu06277	0tu06278	0tu06279	0tu06280	
##	CSI001	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI012	0	5.174912e-05	0	0.000000e+00	0	0	
##	CSI022	0	2.151556e-05	0	0.000000e+00	0	0	
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0	
##		0tu06281	0tu06282	0tu06283	0tu06284	0tu06285	0tu06286	0tu06287
##	CSI001	0	0	0	7.035977e-05	0	0	0
##	CSI012	0	0	0	1.724971e-05	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu06288	0tu06289	0tu06290	0tu06291	0tu06292	0tu06293	
##	CSI001	0	0.000000e+00	0	0	2.345326e-05	0.000000e+00	
##	CSI012	0	0.000000e+00	0	0	3.449941e-05	1.724971e-05	
##	CSI022	0	2.151556e-05	0	0	0.000000e+00	0.000000e+00	
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##		0tu06294	0tu06295	0tu06296	0tu06297	0tu06298	0tu06299	
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0	3.782005e-05	0	
##	CSI076	0.000000e+00	0	0	0	2.890675e-05	0	
##		0tu06300	0tu06301	0tu06302	0tu06303	0tu06304	0tu06305	
##	CSI001	2.345326e-05	0	0	0.000000e+00	0	0	
##	CSI012	1.724971e-05	0	0	0.000000e+00	0	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0	
##		0tu06306	0tu06307	0tu06308	0tu06309	0tu06310	0tu06311	0tu06312
##	CSI001	0	0	0	0	0	0	7.035977e-05
##	CSI012	0	0	0	0	0	0	0.000000e+00

##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu06313	0tu06314	0tu06315	0tu06316	0tu06317	0tu06318	0tu06319
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	2.151417e-05	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu06320	0tu06321	0tu06322	0tu06323	0tu06324	0tu06325	
##	CSI001	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI012	0	1.724971e-05	0	0.000000e+00	0	0	
##	CSI022	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0	
##		0tu06326	0tu06327	0tu06328	0tu06329	0tu06330	0tu06331	0tu06332
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu06333	0tu06334	0tu06335	0tu06336	0tu06337	0tu06338	
##	CSI001	0	0.000000e+00	0	0	0	4.690652e-05	
##	CSI012	0	0.000000e+00	0	0	0	3.449941e-05	
##	CSI022	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI055	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI076	0	5.781349e-05	0	0	0	0.000000e+00	
##		0tu06339	0tu06340	0tu06341	0tu06342	0tu06343	0tu06344	
##	CSI001	0	0	0.000000e+00	0	0	0	
##	CSI012	0	0	0.000000e+00	0	0	0	
##	CSI022	0	0	0.000000e+00	0	0	0	
##	CSI044	0	0	0.000000e+00	0	0	0	
##	CSI055	0	0	0.000000e+00	0	0	0	
##	CSI065	0	0	0.000000e+00	0	0	0	
##	CSI076	0	0	0.000000e+00	0	0	0	
##		0tu06345	0tu06346	0tu06347	0tu06348	0tu06349	0tu06350	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI065	0.000000e+00	0	3.782005e-05	0	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu06351	0tu06352	0tu06353	0tu06354	0tu06355	0tu06356	

##	CSI001	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI012	0	0	0	0	0.000000e+00	3.449941e-05
##	CSI022	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI055	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI076	0	0	0	0	0.000000e+00	0.000000e+00
##	0tu06357	0tu06358	0tu06359	0tu06360	0tu06361	0tu06362	
##	CSI001	0	0.0000000000	0	0.000000e+00	0.000000e+00	0
##	CSI012	0	0.0000000000	0	0.000000e+00	0.000000e+00	0
##	CSI022	0	0.0000000000	0	2.151556e-05	0.000000e+00	0
##	CSI044	0	0.0000000000	0	0.000000e+00	0.000000e+00	0
##	CSI055	0	0.0000000000	0	2.151417e-05	2.151417e-05	0
##	CSI065	0	0.0000000000	0	0.000000e+00	0.000000e+00	0
##	CSI076	0	0.0000000000	0	0.000000e+00	2.890675e-05	0
##	0tu06363	0tu06364	0tu06365	0tu06366	0tu06367	0tu06368	0tu06369
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	2.151417e-05	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##	0tu06370	0tu06371	0tu06372	0tu06373	0tu06374	0tu06375	
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0	1.724971e-05	
##	CSI022	0.000000e+00	0	0	0	4.303111e-05	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	
##	CSI055	6.454250e-05	0	0	0	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	
##	0tu06376	0tu06377	0tu06378	0tu06379	0tu06380	0tu06381	0tu06382
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##	0tu06383	0tu06384	0tu06385	0tu06386	0tu06387	0tu06388	
##	CSI001	0.0000000000	0	0.000000e+00	0	0	
##	CSI012	0.0000000000	0	0.000000e+00	0	0	
##	CSI022	0.0000000000	0	0.000000e+00	0	0	
##	CSI044	0.0000000000	0	0.000000e+00	0	0	
##	CSI055	0.0000000000	0	0.000000e+00	0	0	
##	CSI065	0.0000000000	0	0.000000e+00	0	0	
##	CSI076	0.000115627	0	0.000000e+00	0	0	
##	0tu06389	0tu06390	0tu06391	0tu06392	0tu06393	0tu06394	0tu06395
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		0tu06396	0tu06397	0tu06398	0tu06399	0tu06400	0tu06401	0tu06402
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	3.449941e-05
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu06403	0tu06404	0tu06405	0tu06406	0tu06407	0tu06408	0tu06409
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	2.890675e-05
##		0tu06410	0tu06411	0tu06412	0tu06413	0tu06414	0tu06415	
##	CSI001	0	0	0	0	0.000000e+00	0	
##	CSI012	0	0	0	0	1.724971e-05	0	
##	CSI022	0	0	0	0	0.000000e+00	0	
##	CSI044	0	0	0	0	0.000000e+00	0	
##	CSI055	0	0	0	0	0.000000e+00	0	
##	CSI065	0	0	0	0	0.000000e+00	0	
##	CSI076	0	0	0	0	0.000000e+00	0	
##		0tu06416	0tu06417	0tu06418	0tu06419	0tu06420	0tu06421	
##	CSI001	4.690652e-05	0.000000e+00	0	0	0.000000e+00	0	
##	CSI012	3.449941e-05	0.000000e+00	0	0	1.724971e-05	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##		0tu06422	0tu06423	0tu06424	0tu06425	0tu06426	0tu06427	
##	CSI001	0	4.690652e-05	0	0	0.000000e+00	0	
##	CSI012	0	1.724971e-05	0	0	0.000000e+00	0	
##	CSI022	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI065	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI076	0	0.000000e+00	0	0	0.000000e+00	0	
##		0tu06428	0tu06429	0tu06430	0tu06431	0tu06432	0tu06433	
##	CSI001	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI012	0	1.724971e-05	0	0	0.000000e+00	0	
##	CSI022	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI065	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI076	0	0.000000e+00	0	0	0.000000e+00	0	
##		0tu06434	0tu06435	0tu06436	0tu06437	0tu06438		
##	CSI001	0.000000e+00	0	0.000000e+00	0	0.000000e+00		
##	CSI012	0.000000e+00	0	0.000000e+00	0	0.000000e+00		
##	CSI022	0.000000e+00	0	0.000000e+00	0	0.000000e+00		
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00		

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## CSI055 0.000000e+00      0 4.302833e-05      0 0.000000e+00
## CSI065 0.000000e+00      0 0.000000e+00      0 0.000000e+00
## CSI076 0.000000e+00      0 0.000000e+00      0 0.000000e+00
##      0tu06439      0tu06440      0tu06441 0tu06442 0tu06443 0tu06444
## CSI001 2.345326e-05 0.000000e+00 0.000000e+00      0      0      0
## CSI012 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI022 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI044 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI055 0.000000e+00 4.302833e-05 2.151417e-05      0      0      0
## CSI065 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI076 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
##      0tu06445 0tu06446 0tu06447 0tu06448 0tu06449 0tu06450 0tu06451
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu06452      0tu06453 0tu06454 0tu06455 0tu06456 0tu06457 0tu06458
## CSI001      0 0.000000e+00      0      0      0      0      0
## CSI012      0 0.000000e+00      0      0      0      0      0
## CSI022      0 0.000000e+00      0      0      0      0      0
## CSI044      0 0.000000e+00      0      0      0      0      0
## CSI055      0 0.000000e+00      0      0      0      0      0
## CSI065      0 0.000000e+00      0      0      0      0      0
## CSI076      0 0.000000e+00      0      0      0      0      0
##      0tu06459 0tu06460      0tu06461      0tu06462 0tu06463      0tu06464
## CSI001      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI012      0      0 1.724971e-05 0.000000e+00      0 0.000000e+00
## CSI022      0      0 0.000000e+00 0.000000e+00      0 2.151556e-05
## CSI044      0      0 0.000000e+00 0.000000e+00      0 1.971570e-05
## CSI055      0      0 0.000000e+00 2.151417e-05      0 0.000000e+00
## CSI065      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI076      0      0 0.000000e+00 2.890675e-05      0 0.000000e+00
##      0tu06465 0tu06466 0tu06467 0tu06468 0tu06469 0tu06470 0tu06471
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu06472 0tu06473 0tu06474 0tu06475 0tu06476 0tu06477      0tu06478
## CSI001      0      0      0      0      0      0 0.0000000000
## CSI012      0      0      0      0      0      0 0.0000000000
## CSI022      0      0      0      0      0      0 0.0000000000
## CSI044      0      0      0      0      0      0 0.0000000000
## CSI055      0      0      0      0      0      0 0.0001936275
## CSI065      0      0      0      0      0      0 0.0000000000
## CSI076      0      0      0      0      0      0 0.0000000000
##      0tu06479 0tu06480 0tu06481      0tu06482 0tu06483 0tu06484 0tu06485
## CSI001      0      0      0 0.000000e+00      0      0      0
## CSI012      0      0      0 0.000000e+00      0      0      0

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##	CSI022	0	0	0 0.000000e+00	0	0	0
##	CSI044	0	0	0 0.000000e+00	0	0	0
##	CSI055	0	0	0 0.000000e+00	0	0	0
##	CSI065	0	0	0 0.000000e+00	0	0	0
##	CSI076	0	0	0 2.890675e-05	0	0	0
##		0tu06486	0tu06487	0tu06488	0tu06489	0tu06490	0tu06491
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI022	2.151556e-05	0	2.151556e-05	0	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu06492	0tu06493	0tu06494	0tu06495	0tu06496	0tu06497
##	CSI001	0 0.000000e+00	0	0	0	0	0
##	CSI012	0 0.000000e+00	0	0	0	0	0
##	CSI022	0 0.000000e+00	0	0	0	0	0
##	CSI044	0 0.000000e+00	0	0	0	0	0
##	CSI055	0 0.000000e+00	0	0	0	0	0
##	CSI065	0 0.000000e+00	0	0	0	0	0
##	CSI076	0 0.000000e+00	0	0	0	0	0
##		0tu06498	0tu06499	0tu06500	0tu06501	0tu06502	0tu06503
##	CSI001	0.000000e+00	0	0 0.000000e+00	0	4.690652e-05	
##	CSI012	0.000000e+00	0	0 0.000000e+00	0	0.000000e+00	
##	CSI022	0.000000e+00	0	0 2.151556e-05	0	0.000000e+00	
##	CSI044	0.000000e+00	0	0 0.000000e+00	0	0.000000e+00	
##	CSI055	4.302833e-05	0	0 0.000000e+00	0	0.000000e+00	
##	CSI065	0.000000e+00	0	0 0.000000e+00	0	0.000000e+00	
##	CSI076	0.000000e+00	0	0 0.000000e+00	0	0.000000e+00	
##		0tu06504	0tu06505	0tu06506	0tu06507	0tu06508	0tu06509
##	CSI001	0 0.000000e+00	0	0	0	0	0
##	CSI012	0 0.000000e+00	0	0	0	0	0
##	CSI022	0 0.000000e+00	0	0	0	0	0
##	CSI044	0 0.000000e+00	0	0	0	0	0
##	CSI055	0 0.000000e+00	0	0	0	0	0
##	CSI065	0 0.000000e+00	0	0	0	0	0
##	CSI076	0 0.000000e+00	0	0	0	0	0
##		0tu06511	0tu06512	0tu06513	0tu06514	0tu06515	0tu06516
##	CSI001	0 0.000000e+00	0	0	0	0	0
##	CSI012	0 1.724971e-05	0	0	0	0	0
##	CSI022	0 0.000000e+00	0	0	0	0	0
##	CSI044	0 0.000000e+00	0	0	0	0	0
##	CSI055	0 0.000000e+00	0	0	0	0	0
##	CSI065	0 0.000000e+00	0	0	0	0	0
##	CSI076	0 0.000000e+00	0	0	0	0	0
##		0tu06518	0tu06519	0tu06520	0tu06521	0tu06522	0tu06523
##	CSI001	0	0 0.000000e+00	0.000000e+00	0	0	
##	CSI012	0	0 0.000000e+00	1.724971e-05	0	0	
##	CSI022	0	0 0.000000e+00	0.000000e+00	0	0	
##	CSI044	0	0 0.000000e+00	0.000000e+00	0	0	
##	CSI055	0	0 2.151417e-05	0.000000e+00	0	0	
##	CSI065	0	0 0.000000e+00	0.000000e+00	0	0	
##	CSI076	0	0 0.000000e+00	0.000000e+00	0	0	
##		0tu06524	0tu06525	0tu06526	0tu06527	0tu06528	0tu06529
##							0tu06530

##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu06531	0tu06532	0tu06533	0tu06534	0tu06535	0tu06536	0tu06537
##	CSI001	0	0	0 0.0000000000		0	0	0
##	CSI012	0	0	0 0.0000000000		0	0	0
##	CSI022	0	0	0 0.0000000000		0	0	0
##	CSI044	0	0	0 0.0000000000		0	0	0
##	CSI055	0	0	0 0.0001505992		0	0	0
##	CSI065	0	0	0 0.0000000000		0	0	0
##	CSI076	0	0	0 0.0000000000		0	0	0
##		0tu06538	0tu06539	0tu06540	0tu06541	0tu06542		
##	CSI001	0	0.000000e+00	0.000000e+00		0 0.000000e+00		
##	CSI012	0	1.724971e-05	0.000000e+00		0 1.724971e-05		
##	CSI022	0	0.000000e+00	0.000000e+00		0 2.151556e-05		
##	CSI044	0	0.000000e+00	0.000000e+00		0 0.000000e+00		
##	CSI055	0	0.000000e+00	0.000000e+00		0 4.302833e-05		
##	CSI065	0	0.000000e+00	0.000000e+00		0 3.782005e-05		
##	CSI076	0	0.000000e+00	0.000000e+00		0 0.000000e+00		
##		0tu06543	0tu06544	0tu06545	0tu06546	0tu06547	0tu06548	
##	CSI001	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI012	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI055	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00		0
##		0tu06549	0tu06550	0tu06551	0tu06552	0tu06553	0tu06554	
##	CSI001	0	0	0	0	0 0.000000e+00	0.000000e+00	
##	CSI012	0	0	0	0	3.449941e-05	1.724971e-05	
##	CSI022	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	0	0.000000e+00	4.302833e-05	
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0	0	0.000000e+00	2.890675e-05	
##		0tu06555	0tu06556	0tu06557	0tu06558	0tu06559	0tu06560	
##	CSI001	7.035977e-05	0	0 0.000000e+00		0	0	
##	CSI012	8.624853e-05	0	0 0.000000e+00		0	0	
##	CSI022	0.000000e+00	0	0 0.000000e+00		0	0	
##	CSI044	0.000000e+00	0	0 0.000000e+00		0	0	
##	CSI055	0.000000e+00	0	0 2.151417e-05		0	0	
##	CSI065	0.000000e+00	0	0 0.000000e+00		0	0	
##	CSI076	0.000000e+00	0	0 0.000000e+00		0	0	
##		0tu06561	0tu06562	0tu06563	0tu06564	0tu06565	0tu06566	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0	2.151417e-05	0	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	

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## CSI076 0.000000e+00      0 0.000000e+00      0      0      0
##      0tu06567 0tu06568 0tu06569      0tu06570 0tu06571      0tu06572
## CSI001      0      0      0 4.690652e-05      0 0.000000e+00
## CSI012      0      0      0 1.724971e-05      0 1.724971e-05
## CSI022      0      0      0 0.000000e+00      0 0.000000e+00
## CSI044      0      0      0 0.000000e+00      0 0.000000e+00
## CSI055      0      0      0 0.000000e+00      0 0.000000e+00
## CSI065      0      0      0 0.000000e+00      0 0.000000e+00
## CSI076      0      0      0 0.000000e+00      0 0.000000e+00
##      0tu06573 0tu06574 0tu06575 0tu06576      0tu06577 0tu06578
## CSI001 0.000000e+00      0      0      0 0.000000e+00      0
## CSI012 0.000000e+00      0      0      0 3.449941e-05      0
## CSI022 0.000000e+00      0      0      0 0.000000e+00      0
## CSI044 0.000000e+00      0      0      0 0.000000e+00      0
## CSI055 0.000000e+00      0      0      0 0.000000e+00      0
## CSI065 0.000000e+00      0      0      0 0.000000e+00      0
## CSI076 0.000000e+00      0      0      0 0.000000e+00      0
##      0tu06579 0tu06580 0tu06581 0tu06582      0tu06583 0tu06584
## CSI001 0.000000e+00      0      0      0 0.000000e+00 2.345326e-05
## CSI012 1.724971e-05      0      0      0 1.724971e-05 0.000000e+00
## CSI022 2.151556e-05      0      0      0 0.000000e+00 0.000000e+00
## CSI044 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI055 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI065 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI076 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
##      0tu06585 0tu06586      0tu06587 0tu06588 0tu06589 0tu06590 0tu06591
## CSI001      0      0 0.000000e+00      0      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0      0
## CSI055      0      0 4.302833e-05      0      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0      0
##      0tu06592 0tu06593      0tu06594 0tu06595      0tu06596 0tu06597
## CSI001      0      0 0.000000e+00      0 0.000000e+00      0
## CSI012      0      0 0.000000e+00      0 0.000000e+00      0
## CSI022      0      0 0.000000e+00      0 0.000000e+00      0
## CSI044      0      0 0.000000e+00      0 0.000000e+00      0
## CSI055      0      0 0.000000e+00      0 0.000000e+00      0
## CSI065      0      0 0.000000e+00      0 0.000000e+00      0
## CSI076      0      0 0.000000e+00      0 2.890675e-05      0
##      0tu06598 0tu06599      0tu06600 0tu06601      0tu06602 0tu06603
## CSI001      0      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI012      0      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI022      0      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI044      0      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI055      0      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI065      0      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI076      0      0 0.000000e+00      0 0.000000e+00 2.890675e-05
##      0tu06604 0tu06605 0tu06606 0tu06607 0tu06608 0tu06609      0tu06610
## CSI001      0      0      0      0      0      0 0.000000e+00
## CSI012      0      0      0      0      0      0 0.000000e+00
## CSI022      0      0      0      0      0      0 2.151556e-05
## CSI044      0      0      0      0      0      0 0.000000e+00

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##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu06611	0tu06612	0tu06613	0tu06614	0tu06615	0tu06616	
##	CSI001	0	0	0	0.000000e+00	0	2.345326e-05	
##	CSI012	0	0	0	1.724971e-05	0	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00	
##		0tu06617	0tu06618	0tu06619	0tu06620	0tu06621	0tu06622	
##	CSI001	0	0	0.000000e+00	2.345326e-05	0	0.000000e+00	
##	CSI012	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI022	0	0	2.151556e-05	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0.000000e+00	0.000000e+00	0	2.151417e-05	
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	2.890675e-05	
##		0tu06623	0tu06624	0tu06625	0tu06626	0tu06627	0tu06628	0tu06629
##	CSI001	0	0	0	0	0	4.690652e-05	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu06630	0tu06631	0tu06632	0tu06633	0tu06634	0tu06635	
##	CSI001	0	0	0	0.0000000000	0	2.345326e-05	
##	CSI012	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI022	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI044	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI055	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI065	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI076	0	0	0	0.0000000000	0	0.000000e+00	
##		0tu06636	0tu06637	0tu06638	0tu06639	0tu06640	0tu06641	
##	CSI001	0	4.690652e-05	0.000000e+00	0.000000e+00	0	0	
##	CSI012	0	0.000000e+00	1.724971e-05	0.000000e+00	0	0	
##	CSI022	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI055	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI065	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI076	0	2.890675e-05	0.000000e+00	0.000000e+00	0	0	
##		0tu06642	0tu06643	0tu06644	0tu06645	0tu06646	0tu06647	
##	CSI001	0.000000e+00	0	0.0000000000	0	0	0.00000000	
##	CSI012	0.000000e+00	0	0.0000000000	0	0	0.00000000	
##	CSI022	0.000000e+00	0	0.0000000000	0	0	0.00019364	
##	CSI044	1.97157e-05	0	0.0000000000	0	0	0.00000000	
##	CSI055	0.000000e+00	0	0.0000000000	0	0	0.00000000	
##	CSI065	0.000000e+00	0	0.0001134602	0	0	0.00000000	
##	CSI076	0.000000e+00	0	0.0000000000	0	0	0.00000000	
##		0tu06648	0tu06649	0tu06650	0tu06651	0tu06652	0tu06653	0tu06654
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0

##	CSI022	0	0.00000e+00	0	0	0	0	0
##	CSI044	0	0.00000e+00	0	0	0	0	0
##	CSI055	0	0.00000e+00	0	0	0	0	0
##	CSI065	0	7.56401e-05	0	0	0	0	0
##	CSI076	0	0.00000e+00	0	0	0	0	0
##		0tu06655	0tu06656	0tu06657	0tu06658	0tu06659	0tu06660	
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI012	0.000000e+00	1.724971e-05	0	0	0	0.000000e+00	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI055	2.151417e-05	0.000000e+00	0	0	0	0.000000e+00	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	5.781349e-05	
##		0tu06661	0tu06662	0tu06663	0tu06664	0tu06665	0tu06666	0tu06667
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu06668	0tu06669	0tu06670	0tu06671	0tu06672	0tu06673	
##	CSI001	0	0	0	2.345326e-05	0.000000e+00	0	
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI022	0	0	0	0.000000e+00	2.151556e-05	0	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0	
##		0tu06674	0tu06675	0tu06676	0tu06677	0tu06678	0tu06679	0tu06680
##	CSI001	0	2.345326e-05	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	2.151417e-05	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu06681	0tu06682	0tu06683	0tu06684	0tu06685	0tu06686	0tu06687
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu06688	0tu06689	0tu06690	0tu06691	0tu06692	0tu06693	0tu06694
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	3.449941e-05	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	1.075708e-04	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu06695	0tu06696	0tu06697	0tu06698	0tu06699	0tu06700	

##	CSI001	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI012	0.000000e+00	0	0	0	0	1.724971e-05
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI055	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu06701	0tu06702	0tu06703	0tu06704	0tu06705	0tu06706
##	CSI001	2.345326e-05	0	0	0	0	0.000000e+00
##	CSI012	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI022	0.000000e+00	0	0	0	0	2.151556e-05
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI055	0.000000e+00	0	0	0	0	4.302833e-05
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu06707	0tu06708	0tu06709	0tu06710	0tu06711	0tu06712
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	3.449941e-05	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu06713	0tu06714	0tu06715	0tu06716	0tu06717	0tu06718
##	CSI001	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	3.449941e-05
##	CSI022	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0.000000e+00
##		0tu06720	0tu06721	0tu06722	0tu06723	0tu06724	0tu06725
##	CSI001	0	0	0	2.345326e-05	0	0.000000e+00
##	CSI012	0	0	0	1.724971e-05	0	0.000000e+00
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI055	0	0	0	0.000000e+00	0	2.151417e-05
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI076	0	0	0	0.000000e+00	0	5.781349e-05
##		0tu06726	0tu06727	0tu06728	0tu06729	0tu06730	0tu06731
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	7.56401e-05	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		0tu06733	0tu06734	0tu06735	0tu06736	0tu06737	0tu06738
##	CSI001	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI055	0	0	0	0.000000e+00	2.151417e-05	0
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0

##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu06739	0tu06740	0tu06741	0tu06742	0tu06743	0tu06744
##	CSI001	0	0	0	0	0	0 0.000000e+00
##	CSI012	0	0	0	0	0	0 6.899883e-05
##	CSI022	0	0	0	0	0	0 2.151556e-05
##	CSI044	0	0	0	0	0	0 0.000000e+00
##	CSI055	0	0	0	0	0	0 0.000000e+00
##	CSI065	0	0	0	0	0	0 0.000000e+00
##	CSI076	0	0	0	0	0	0 0.000000e+00
##		0tu06746	0tu06747	0tu06748	0tu06749	0tu06750	0tu06751
##	CSI001	0.000000e+00	0.0000000000	0	0	0.000000e+00	0
##	CSI012	5.174912e-05	0.0000000000	0	0	3.449941e-05	0
##	CSI022	0.000000e+00	0.0000000000	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0.0000000000	0	0	0.000000e+00	0
##	CSI055	0.000000e+00	0.0000000000	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	0.0000000000	0	0	0.000000e+00	0
##	CSI076	0.000000e+00	0.000115627	0	0	0.000000e+00	0
##		0tu06752	0tu06753	0tu06754	0tu06755	0tu06756	0tu06757
##	CSI001	0.0000000000	0	0	0	0.000000e+00	0
##	CSI012	0.0000000000	0	0	0	0.000000e+00	0
##	CSI022	0.0000000000	0	0	0	0.000000e+00	0
##	CSI044	0.0001577256	0	0	0	0.000000e+00	0
##	CSI055	0.0000000000	0	0	0	2.151417e-05	0
##	CSI065	0.0000000000	0	0	0	0.000000e+00	0
##	CSI076	0.0000000000	0	0	0	0.000000e+00	0
##		0tu06758	0tu06759	0tu06760	0tu06761	0tu06762	0tu06763
##	CSI001	2.345326e-05	0	0	0	0.000000e+00	0.000000e+00
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	4.303111e-05
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI065	0.000000e+00	0	0	0	3.782005e-05	0.000000e+00
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##		0tu06764	0tu06765	0tu06766	0tu06767	0tu06768	0tu06769
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI012	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI055	4.302833e-05	0	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu06770	0tu06771	0tu06772	0tu06773	0tu06774	0tu06775
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu06777	0tu06778	0tu06779	0tu06780	0tu06781	0tu06782
##	CSI001	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0.000000e+00

##	CSI055	0	0	0	0	0 0.000000e+00	0
##	CSI065	0	0	0	0	0 3.782005e-05	0
##	CSI076	0	0	0	0	0 0.000000e+00	0
##	0tu06784	0tu06785	0tu06786	0tu06787	0tu06788	0tu06789	0tu06790
##	CSI001	0 0.000000e+00	0	0	0	0	0
##	CSI012	0 0.000000e+00	0	0	0	0	0
##	CSI022	0 0.000000e+00	0	0	0	0	0
##	CSI044	0 0.000000e+00	0	0	0	0	0
##	CSI055	0 0.000000e+00	0	0	0	0	0
##	CSI065	0 0.000000e+00	0	0	0	0	0
##	CSI076	0 8.672024e-05	0	0	0	0	0
##	0tu06791	0tu06792	0tu06793	0tu06794	0tu06795	0tu06796	
##	CSI001	0.000000e+00	0	0 0.000000e+00	0 0.000000e+00		
##	CSI012	0.000000e+00	0	0 1.724971e-05	0 0.000000e+00		
##	CSI022	2.151556e-05	0	0 0.000000e+00	0 6.454667e-05		
##	CSI044	0.000000e+00	0	0 0.000000e+00	0 0.000000e+00		
##	CSI055	0.000000e+00	0	0 0.000000e+00	0 0.000000e+00		
##	CSI065	0.000000e+00	0	0 0.000000e+00	0 0.000000e+00		
##	CSI076	0.000000e+00	0	0 0.000000e+00	0 0.000000e+00		
##	0tu06797	0tu06798	0tu06799	0tu06800	0tu06801	0tu06802	
##	CSI001	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI012	0	0	0 3.449941e-05	1.724971e-05	0	
##	CSI022	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI044	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI055	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI065	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI076	0	0	0 0.000000e+00	0.000000e+00	0	
##	0tu06803	0tu06804	0tu06805	0tu06806	0tu06807	0tu06808	
##	CSI001	0 7.035977e-05	0.0000000000	0	0	0	
##	CSI012	0 0.000000e+00	0.0001034982	0	0	0	
##	CSI022	0 0.000000e+00	0.0000000000	0	0	0	
##	CSI044	0 0.000000e+00	0.0000000000	0	0	0	
##	CSI055	0 0.000000e+00	0.0000000000	0	0	0	
##	CSI065	0 0.000000e+00	0.0000000000	0	0	0	
##	CSI076	0 0.000000e+00	0.0000000000	0	0	0	
##	0tu06809	0tu06810	0tu06811	0tu06812	0tu06813	0tu06814	0tu06815
##	CSI001	0	0	0	0	0	0 1.172663e-04
##	CSI012	0	0	0	0	0	0 0.000000e+00
##	CSI022	0	0	0	0	0	0 0.000000e+00
##	CSI044	0	0	0	0	0	0 0.000000e+00
##	CSI055	0	0	0	0	0	0 0.000000e+00
##	CSI065	0	0	0	0	0	0 0.000000e+00
##	CSI076	0	0	0	0	0	0 0.000000e+00
##	0tu06816	0tu06817	0tu06818	0tu06819	0tu06820	0tu06821	
##	CSI001	0	0 0.0000000000	2.345326e-05	0	0	
##	CSI012	0	0 0.0001034982	0.000000e+00	0	0	
##	CSI022	0	0 0.0000000000	0.000000e+00	0	0	
##	CSI044	0	0 0.0000000000	0.000000e+00	0	0	
##	CSI055	0	0 0.0000000000	0.000000e+00	0	0	
##	CSI065	0	0 0.0000000000	0.000000e+00	0	0	
##	CSI076	0	0 0.0000000000	0.000000e+00	0	0	
##	0tu06822	0tu06823	0tu06824	0tu06825	0tu06826	0tu06827	
##	CSI001	0.000000e+00	0	0	0 0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0 0.000000e+00	0	

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## CSI022 2.151556e-05      0      0      0 0.000000e+00      0
## CSI044 0.000000e+00      0      0      0 0.000000e+00      0
## CSI055 0.000000e+00      0      0      0 0.000000e+00      0
## CSI065 0.000000e+00      0      0      0 0.000000e+00      0
## CSI076 0.000000e+00      0      0      0 0.000000e+00      0
##      0tu06828      0tu06829 0tu06830 0tu06831      0tu06832
## CSI001 0.0000000000 0.000000e+00      0      0 0.000000e+00
## CSI012 0.0000000000 0.000000e+00      0      0 1.724971e-05
## CSI022 0.0000000000 0.000000e+00      0      0 0.000000e+00
## CSI044 0.0000000000 0.000000e+00      0      0 0.000000e+00
## CSI055 0.0001721133 0.000000e+00      0      0 0.000000e+00
## CSI065 0.0000000000 0.000000e+00      0      0 0.000000e+00
## CSI076 0.0000000000 2.890675e-05      0      0 0.000000e+00
##      0tu06833 0tu06834 0tu06835 0tu06836 0tu06837 0tu06838 0tu06839
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 1.075708e-04      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 5.781349e-05      0      0      0      0      0      0
##      0tu06840 0tu06841 0tu06842 0tu06843 0tu06844 0tu06845 0tu06846
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu06847 0tu06848 0tu06849 0tu06850 0tu06851 0tu06852 0tu06853
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu06854 0tu06855 0tu06856 0tu06857 0tu06858 0tu06859 0tu06860
## CSI001 0.0000000000      0      0      0      0      0      0
## CSI012 0.0000000000      0      0      0      0      0      0
## CSI022 0.0000000000      0      0      0      0      0      0
## CSI044 0.0000000000      0      0      0      0      0      0
## CSI055 0.000129085      0      0      0      0      0      0
## CSI065 0.0000000000      0      0      0      0      0      0
## CSI076 0.0000000000      0      0      0      0      0      0
##      0tu06861      0tu06862 0tu06863      0tu06864      0tu06865 0tu06866
## CSI001      0 2.345326e-05      0 0.000000e+00 0.000000e+00      0
## CSI012      0 0.000000e+00      0 1.724971e-05 0.000000e+00      0
## CSI022      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI044      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI055      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI065      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI076      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
##      0tu06867      0tu06868 0tu06869 0tu06870 0tu06871 0tu06872 0tu06873

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##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	3.449941e-05	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	0tu06874	0tu06875	0tu06876	0tu06877	0tu06878	0tu06879		
##	CSI001	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI012	0	1.724971e-05	0.000000e+00	0.000000e+00	0	0	
##	CSI022	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI055	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI065	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI076	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	0tu06880	0tu06881	0tu06882	0tu06883	0tu06884	0tu06885	0tu06886	
##	CSI001	0	0	0	0.0000000000	0	0	0
##	CSI012	0	0	0	0.0000000000	0	0	0
##	CSI022	0	0	0	0.0000000000	0	0	0
##	CSI044	0	0	0	0.0000000000	0	0	0
##	CSI055	0	0	0	0.0000000000	0	0	0
##	CSI065	0	0	0	0.0000000000	0	0	0
##	CSI076	0	0	0	0.0000000000	0	0	0
##	0tu06887	0tu06888	0tu06889	0tu06890	0tu06891	0tu06892	0tu06893	
##	CSI001	0	7.035977e-05	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	0tu06894	0tu06895	0tu06896	0tu06897	0tu06898	0tu06899		
##	CSI001	2.345326e-05	0.000000e+00	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	0.000000e+00	1.724971e-05	0	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	0tu06900	0tu06901	0tu06902	0tu06903	0tu06904	0tu06905	0tu06906	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	0tu06907	0tu06908	0tu06909	0tu06910	0tu06911	0tu06912		
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0	4.303111e-05	
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00	

##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00
##		0tu06913	0tu06914	0tu06915	0tu06916	0tu06917	0tu06918
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu06920	0tu06921	0tu06922	0tu06923	0tu06924	0tu06925
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##		0tu06927	0tu06928	0tu06929	0tu06930	0tu06931	0tu06932
##	CSI001	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##	CSI012	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##	CSI022	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##	CSI044	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##	CSI055	0	2.151417e-05	0.000000e+00	0	4.302833e-05	0
##	CSI065	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##	CSI076	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0
##		0tu06933	0tu06934	0tu06935	0tu06936	0tu06937	0tu06938
##	CSI001	0.000000e+00	0.0000000000	0	0	0	0
##	CSI012	0.000000e+00	0.0000000000	0	0	0	0
##	CSI022	0.000000e+00	0.0000000000	0	0	0	0
##	CSI044	0.000000e+00	0.0001380099	0	0	0	0
##	CSI055	2.151417e-05	0.0000000000	0	0	0	0
##	CSI065	0.000000e+00	0.0000000000	0	0	0	0
##	CSI076	0.000000e+00	0.0000000000	0	0	0	0
##		0tu06939	0tu06940	0tu06941	0tu06942	0tu06943	0tu06944
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu06946	0tu06947	0tu06948	0tu06949	0tu06950	0tu06951
##	CSI001	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI012	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI022	0	2.151556e-05	0	0	0.000000e+00	0
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI055	0	0.000000e+00	0	0	8.605667e-05	0
##	CSI065	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI076	0	0.000000e+00	0	0	2.890675e-05	0
##		0tu06952	0tu06953	0tu06954	0tu06955	0tu06956	0tu06957
##	CSI001	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	5.174912e-05	0	0
##	CSI022	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0.000000e+00	0	0

##	CSI055	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0.000000e+00	0	0
##		0tu06958	0tu06959	0tu06960	0tu06961	0tu06962	0tu06963
##	CSI001	0.000000e+00	0	0	2.345326e-05	0	0.000000e+00
##	CSI012	0.000000e+00	0	0	1.724971e-05	0	0.000000e+00
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	4.302833e-05
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	8.672024e-05
##		0tu06964	0tu06965	0tu06966	0tu06967	0tu06968	
##	CSI001	0	4.690652e-05	0	0.000000e+00	0.000000e+00	
##	CSI012	0	0.000000e+00	0	3.449941e-05	0.000000e+00	
##	CSI022	0	0.000000e+00	0	0.000000e+00	4.303111e-05	
##	CSI044	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##		0tu06969	0tu06970	0tu06971	0tu06972	0tu06973	0tu06974
##	CSI001	0.0000000000	0	0	0	0	0
##	CSI012	0.0000000000	0	0	0	0	0
##	CSI022	0.0000000000	0	0	0	0	0
##	CSI044	0.0000000000	0	0	0	0	0
##	CSI055	0.0000000000	0	0	0	0	0
##	CSI065	0.0000000000	0	0	0	0	0
##	CSI076	0.0000000000	0	0	0	0	0
##		0tu06976	0tu06977	0tu06978	0tu06979	0tu06980	0tu06981
##	CSI001	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI012	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI022	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI055	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI076	0	0	0	0	0.000000e+00	0.000000e+00
##		0tu06982	0tu06983	0tu06984	0tu06985	0tu06986	0tu06987
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu06989	0tu06990	0tu06991	0tu06992	0tu06993	0tu06994
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	2.890675e-05	0	0	0	0
##		0tu06996	0tu06997	0tu06998	0tu06999	0tu07000	0tu07001
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07003	0tu07004	0tu07005	0tu07006	0tu07007	0tu07008	0tu07009
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07010	0tu07011	0tu07012	0tu07013	0tu07014	0tu07015	0tu07016
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	1.724971e-05
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu07017	0tu07018	0tu07019	0tu07020	0tu07021	0tu07022	
##	CSI001	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI022	0	0	0.000000e+00	0	8.606222e-05	0.000000e+00	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	4.302833e-05	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0	2.890675e-05	0	0.000000e+00	0.000000e+00	
##		0tu07023	0tu07024	0tu07025	0tu07026	0tu07027	0tu07028	0tu07029
##	CSI001	0	4.690652e-05	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu07030	0tu07031	0tu07032	0tu07033	0tu07034	0tu07035	0tu07036
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu07037	0tu07038	0tu07039	0tu07040	0tu07041	0tu07042	
##	CSI001	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0	0	3.449941e-05	
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI055	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00	
##		0tu07043	0tu07044	0tu07045	0tu07046	0tu07047	0tu07048	

##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0	
##		0tu07049	0tu07050	0tu07051	0tu07052	0tu07053	0tu07054	
##	CSI001	0	0	0	0	0.000000e+00	0	
##	CSI012	0	0	0	0	0.000000e+00	0	
##	CSI022	0	0	0	0	0.000000e+00	0	
##	CSI044	0	0	0	0	0.000000e+00	0	
##	CSI055	0	0	0	0	0.000000e+00	0	
##	CSI065	0	0	0	0	0.000000e+00	0	
##	CSI076	0	0	0	0	0.000000e+00	0	
##		0tu07055	0tu07056	0tu07057	0tu07058	0tu07059	0tu07060	
##	CSI001	2.345326e-05	0	0	0.000000e+00	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	4.302833e-05	8.605667e-05	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##		0tu07061	0tu07062	0tu07063	0tu07064	0tu07065		
##	CSI001	0.000000e+00	0	0.000000e+00	0.000000e+00	0		
##	CSI012	1.724971e-05	0	0.000000e+00	0.000000e+00	0		
##	CSI022	0.000000e+00	0	0.000000e+00	0.000000e+00	0		
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0		
##	CSI055	0.000000e+00	0	0.000000e+00	0.000000e+00	0		
##	CSI065	0.000000e+00	0	0.000000e+00	3.782005e-05	0		
##	CSI076	0.000000e+00	0	0.000000e+00	0.000000e+00	0		
##		0tu07066	0tu07067	0tu07068	0tu07069	0tu07070		
##	CSI001	4.690652e-05	0.000000e+00	0	0	0.0000000000		
##	CSI012	0.000000e+00	1.724971e-05	0	0	0.0000000000		
##	CSI022	2.151556e-05	0.000000e+00	0	0	0.0000000000		
##	CSI044	1.971570e-05	0.000000e+00	0	0	0.0000000000		
##	CSI055	0.000000e+00	0.000000e+00	0	0	0.000129085		
##	CSI065	0.000000e+00	0.000000e+00	0	0	0.0000000000		
##	CSI076	0.000000e+00	0.000000e+00	0	0	0.0000000000		
##		0tu07071	0tu07072	0tu07073	0tu07074	0tu07075	0tu07076	0tu07077
##	CSI001	2.345326e-05	0	0	0	0	0	0
##	CSI012	3.449941e-05	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu07078	0tu07079	0tu07080	0tu07081	0tu07082	0tu07083	0tu07084
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		0tu07085	0tu07086	0tu07087	0tu07088	0tu07089	0tu07090	0tu07091
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07092	0tu07093	0tu07094	0tu07095	0tu07096	0tu07097	0tu07098
##	CSI001	0	0	0	0	0	2.345326e-05	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu07099	0tu07100	0tu07101	0tu07102	0tu07103	0tu07104	
##	CSI001	0	0	0.000000e+00	0	0	2.345326e-05	
##	CSI012	0	0	1.724971e-05	0	0	0.000000e+00	
##	CSI022	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI044	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI055	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI065	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI076	0	0	0.000000e+00	0	0	0.000000e+00	
##		0tu07105	0tu07106	0tu07107	0tu07108	0tu07109	0tu07110	0tu07111
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07112	0tu07113	0tu07114	0tu07115	0tu07116	0tu07117	
##	CSI001	0	0	0	0	0	0.000000e+00	
##	CSI012	0	0	0	0	0	0.000000e+00	
##	CSI022	0	0	0	0	0	0.000000e+00	
##	CSI044	0	0	0	0	0	0.000000e+00	
##	CSI055	0	0	0	0	0	0.000000e+00	
##	CSI065	0	0	0	0	0	0.000000e+00	
##	CSI076	0	0	0	0	0	0.000000e+00	
##		0tu07118	0tu07119	0tu07120	0tu07121	0tu07122	0tu07123	
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI022	8.606222e-05	0	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0	
##		0tu07124	0tu07125	0tu07126	0tu07127	0tu07128	0tu07129	0tu07130
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07131	0tu07132	0tu07133	0tu07134	0tu07135	0tu07136	
##	CSI001	0	0.000000e+00	0	0	0	0	
##	CSI012	0	5.174912e-05	0	0	0	0	
##	CSI022	0	0.000000e+00	0	0	0	0	
##	CSI044	0	0.000000e+00	0	0	0	0	
##	CSI055	0	0.000000e+00	0	0	0	0	
##	CSI065	0	0.000000e+00	0	0	0	0	
##	CSI076	0	0.000000e+00	0	0	0	0	
##		0tu07137	0tu07138	0tu07139	0tu07140	0tu07141	0tu07142	0tu07143
##	CSI001	4.690652e-05	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu07144	0tu07145	0tu07146	0tu07147	0tu07148	0tu07149	0tu07150
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07151	0tu07152	0tu07153	0tu07154	0tu07155	0tu07156	0tu07157
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	3.449941e-05	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu07158	0tu07159	0tu07160	0tu07161	0tu07162	0tu07163	0tu07164
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07165	0tu07166	0tu07167	0tu07168	0tu07169	0tu07170	
##	CSI001	2.345326e-05	0	0.0000000000	0	0.0000000000	0	
##	CSI012	0.000000e+00	0	0.0000000000	0	0.0000000000	0	
##	CSI022	0.000000e+00	0	0.0000000000	0	0.0000000000	0	
##	CSI044	0.000000e+00	0	0.0000000000	0	0.0000000000	0	
##	CSI055	2.151417e-05	0	0.0000000000	0	0.0000000000	0	
##	CSI065	0.000000e+00	0	0.0000000000	0	0.0000000000	0	
##	CSI076	0.000000e+00	0	0.0000000000	0	0.0002023472	0	
##		0tu07171	0tu07172	0tu07173	0tu07174	0tu07175	0tu07176	
##	CSI001	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0.000000e+00	0	1.724971e-05	0.000000e+00	

##	CSI022	0	0	4.303111e-05	0	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	1.971570e-05	
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##		Otu07177	Otu07178	Otu07179	Otu07180	Otu07181	Otu07182	Otu07183
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu07184	Otu07185	Otu07186	Otu07187	Otu07188	Otu07189	Otu07190
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu07191	Otu07192	Otu07193	Otu07194	Otu07195	Otu07196	Otu07197
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu07198	Otu07199	Otu07200	Otu07201	Otu07202	Otu07203	Otu07204
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu07205	Otu07206	Otu07207	Otu07208	Otu07209	Otu07210	
##	CSI001	0	0	0	0	0.0000000000	0.000000e+00	
##	CSI012	0	0	0	0	0.0000000000	0.000000e+00	
##	CSI022	0	0	0	0	0.0000000000	0.000000e+00	
##	CSI044	0	0	0	0	0.0000000000	0.000000e+00	
##	CSI055	0	0	0	0	0.0000000000	0.000000e+00	
##	CSI065	0	0	0	0	0.0000000000	0.000000e+00	
##	CSI076	0	0	0	0	0.000115627	0.000000e+00	
##		Otu07211	Otu07212	Otu07213	Otu07214	Otu07215	Otu07216	Otu07217
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu07218	Otu07219	Otu07220	Otu07221	Otu07222	Otu07223	Otu07224

##	CSI001	0	0	0	0	0 0.000000e+00	0
##	CSI012	0	0	0	0	0 0.000000e+00	0
##	CSI022	0	0	0	0	0 0.000000e+00	0
##	CSI044	0	0	0	0	0 0.000000e+00	0
##	CSI055	0	0	0	0	0 0.000000e+00	0
##	CSI065	0	0	0	0	0 0.000000e+00	0
##	CSI076	0	0	0	0	0 0.000000e+00	0
##	0tu07225	0tu07226	0tu07227	0tu07228	0tu07229	0tu07230	0tu07231
##	CSI001	0	0	0	0	0 0.000000e+00	0
##	CSI012	0	0	0	0	0 0.000000e+00	0
##	CSI022	0	0	0	0	0 0.000000e+00	0
##	CSI044	0	0	0	0	0 0.000000e+00	0
##	CSI055	0	0	0	0	0 0.000000e+00	0
##	CSI065	0	0	0	0	0 3.782005e-05	0
##	CSI076	0	0	0	0	0 0.000000e+00	0
##	0tu07232	0tu07233	0tu07234	0tu07235	0tu07236	0tu07237	
##	CSI001	0 0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI012	0 0.000000e+00	0 1.724971e-05	0	0	0	
##	CSI022	0 0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI044	0 0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI055	0 0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI065	0 0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI076	0 0.000000e+00	0 0.000000e+00	0	0	0	
##	0tu07238	0tu07239	0tu07240	0tu07241	0tu07242	0tu07243	
##	CSI001	0 2.345326e-05	0 0.000000e+00	0 0.000000e+00	0	0	
##	CSI012	0 0.000000e+00	1.724971e-05	0 1.724971e-05	0	0	
##	CSI022	0 2.151556e-05	0 0.000000e+00	0 0.000000e+00	0	0	
##	CSI044	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	0	0	
##	CSI055	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	0	0	
##	CSI065	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	0	0	
##	CSI076	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	0	0	
##	0tu07244	0tu07245	0tu07246	0tu07247	0tu07248	0tu07249	
##	CSI001	0 0.000000e+00	0 0.00000e+00	0	0	0	
##	CSI012	0 0.000000e+00	0 0.00000e+00	0	0	0	
##	CSI022	0 0.000000e+00	0 0.00000e+00	0	0	0	
##	CSI044	0 0.000000e+00	1.97157e-05	0	0	0	
##	CSI055	0 0.000000e+00	0 0.00000e+00	0	0	0	
##	CSI065	0 0.000000e+00	0 0.00000e+00	0	0	0	
##	CSI076	0 0.000000e+00	0 0.00000e+00	0	0	0	
##	0tu07250	0tu07251	0tu07252	0tu07253	0tu07254	0tu07255	0tu07256
##	CSI001	0	0	0	0	0 0.000000e+00	
##	CSI012	0	0	0	0	0 0.000000e+00	
##	CSI022	0	0	0	0	0 0.000000e+00	
##	CSI044	0	0	0	0	0 0.000000e+00	
##	CSI055	0	0	0	0	0 0.000000e+00	
##	CSI065	0	0	0	0	0 0.000000e+00	
##	CSI076	0	0	0	0	0 0.000000e+00	
##	0tu07257	0tu07258	0tu07259	0tu07260	0tu07261	0tu07262	0tu07263
##	CSI001	0	0	0	0	0 0.000000e+00	0
##	CSI012	0	0	0	0	0 0.000000e+00	0
##	CSI022	0	0	0	0	0 0.000000e+00	0
##	CSI044	0	0	0	0	0 0.000000e+00	0
##	CSI055	0	0	0	0	0 0.000000e+00	0
##	CSI065	0	0	0	0	0 0.000000e+00	0

##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu07264	0tu07265	0tu07266	0tu07267	0tu07268	0tu07269	0tu07270
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	2.151556e-05	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu07271	0tu07272	0tu07273	0tu07274	0tu07275	0tu07276	
##	CSI001	0.000000e+00	0	0	0.0000000000	0	0	
##	CSI012	0.000000e+00	0	0	0.0000000000	0	0	
##	CSI022	0.000000e+00	0	0	0.0000000000	0	0	
##	CSI044	0.000000e+00	0	0	0.0000000000	0	0	
##	CSI055	4.302833e-05	0	0	0.0001075708	0	0	
##	CSI065	0.000000e+00	0	0	0.0000000000	0	0	
##	CSI076	0.000000e+00	0	0	0.0000000000	0	0	
##		0tu07277	0tu07278	0tu07279	0tu07280	0tu07281		
##	CSI001	0	0	2.345326e-05	0.000000e+00	0.000000e+00		
##	CSI012	0	0	1.724971e-05	0.000000e+00	0.000000e+00		
##	CSI022	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI044	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI055	0	0	0.000000e+00	0.000000e+00	6.45425e-05		
##	CSI065	0	0	0.000000e+00	3.782005e-05	0.000000e+00		
##	CSI076	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##		0tu07282	0tu07283	0tu07284	0tu07285	0tu07286	0tu07287	
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0	0	1.724971e-05	0	0	
##	CSI022	4.303111e-05	0	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0	2.151417e-05	0	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0	
##		0tu07288	0tu07289	0tu07290	0tu07291	0tu07292	0tu07293	0tu07294
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	1.724971e-05	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu07295	0tu07296	0tu07297	0tu07298	0tu07299	0tu07300	
##	CSI001	0	0.000000e+00	0	0	0	0.0000000000	
##	CSI012	0	1.724971e-05	0	0	0	0.0000000000	
##	CSI022	0	0.000000e+00	0	0	0	0.0001506089	
##	CSI044	0	0.000000e+00	0	0	0	0.0000000000	
##	CSI055	0	0.000000e+00	0	0	0	0.0000000000	
##	CSI065	0	0.000000e+00	0	0	0	0.0000000000	
##	CSI076	0	0.000000e+00	0	0	0	0.0000000000	
##		0tu07301	0tu07302	0tu07303	0tu07304	0tu07305	0tu07306	
##	CSI001	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI012	0	0	1.724971e-05	0.000000e+00	0	0	
##	CSI022	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI044	0	0	0.000000e+00	7.88628e-05	0	0	

##	CSI055	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0	
##		0tu07307	0tu07308	0tu07309	0tu07310	0tu07311	0tu07312	0tu07313
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07314	0tu07315	0tu07316	0tu07317	0tu07318	0tu07319	0tu07320
##	CSI001	0	0	2.345326e-05	0	0	0	0
##	CSI012	0	0	1.724971e-05	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu07321	0tu07322	0tu07323	0tu07324	0tu07325	0tu07326	
##	CSI001	0	0	0.000000e+00	0	0	0	
##	CSI012	0	0	0.000000e+00	0	0	0	
##	CSI022	0	0	0.000000e+00	0	0	0	
##	CSI044	0	0	5.91471e-05	0	0	0	
##	CSI055	0	0	0.000000e+00	0	0	0	
##	CSI065	0	0	0.000000e+00	0	0	0	
##	CSI076	0	0	0.000000e+00	0	0	0	
##		0tu07327	0tu07328	0tu07329	0tu07330	0tu07331	0tu07332	
##	CSI001	0.000000e+00	0	0.0001172663	0	0	0	
##	CSI012	0.000000e+00	0	0.0000000000	0	0	0	
##	CSI022	0.000000e+00	0	0.0000000000	0	0	0	
##	CSI044	0.000000e+00	0	0.0000000000	0	0	0	
##	CSI055	0.000000e+00	0	0.0000000000	0	0	0	
##	CSI065	0.000000e+00	0	0.0000000000	0	0	0	
##	CSI076	0.000000e+00	0	0.0000000000	0	0	0	
##		0tu07333	0tu07334	0tu07335	0tu07336	0tu07337	0tu07338	0tu07339
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu07340	0tu07341	0tu07342	0tu07343	0tu07344	0tu07345	
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI012	0	1.724971e-05	0.000000e+00	0	0	0.000000e+00	
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI055	0	0.000000e+00	2.151417e-05	0	0	4.302833e-05	
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##		0tu07346	0tu07347	0tu07348	0tu07349	0tu07350	0tu07351	0tu07352
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07353	0tu07354	0tu07355	0tu07356	0tu07357	0tu07358	
##	CSI001	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	3.449941e-05	
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	4.302833e-05	0.000000e+00	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	1.134602e-04	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu07359	0tu07360	0tu07361	0tu07362	0tu07363	0tu07364	0tu07365
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	5.781349e-05	0	0	0
##		0tu07366	0tu07367	0tu07368	0tu07369	0tu07370	0tu07371	
##	CSI001	0	0	0	0	0.0000000000	0.000000e+00	
##	CSI012	0	0	0	0	0.0000000000	0.000000e+00	
##	CSI022	0	0	0	0	0.0001075778	0.000000e+00	
##	CSI044	0	0	0	0	0.0000000000	0.000000e+00	
##	CSI055	0	0	0	0	0.0000000000	0.000000e+00	
##	CSI065	0	0	0	0	0.0000000000	0.000000e+00	
##	CSI076	0	0	0	0	0.0000000000	0.000000e+00	
##		0tu07372	0tu07373	0tu07374	0tu07375	0tu07376	0tu07377	0tu07378
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu07379	0tu07380	0tu07381	0tu07382	0tu07383	0tu07384	0tu07385
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07386	0tu07387	0tu07388	0tu07389	0tu07390	0tu07391	0tu07392
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu07393	0tu07394	0tu07395	0tu07396	0tu07397	0tu07398	0tu07399

##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07400	0tu07401	0tu07402	0tu07403	0tu07404	0tu07405	
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0	2.151417e-05	0	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0	
##		0tu07406	0tu07407	0tu07408	0tu07409	0tu07410	0tu07411	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	5.781349e-05	0	
##		0tu07412	0tu07413	0tu07414	0tu07415	0tu07416	0tu07417	0tu07418
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	2.151556e-05
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu07419	0tu07420	0tu07421	0tu07422	0tu07423	0tu07424	
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI012	0	0.000000e+00	5.174912e-05	0	0	0	
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI055	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0	
##		0tu07425	0tu07426	0tu07427	0tu07428	0tu07429	0tu07430	0tu07431
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07432	0tu07433	0tu07434	0tu07435	0tu07436	0tu07437	0tu07438
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		0tu07439	0tu07440	0tu07441	0tu07442	0tu07443	0tu07444	0tu07445
##	CSI001	0	0	7.035977e-05	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu07446	0tu07447	0tu07448	0tu07449	0tu07450	0tu07451	
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI076	2.890675e-05	0	0	0	0.000000e+00	0	
##		0tu07452	0tu07453	0tu07454	0tu07455	0tu07456	0tu07457	0tu07458
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu07459	0tu07460	0tu07461	0tu07462	0tu07463	0tu07464	
##	CSI001	2.345326e-05	0	0	0	0	0	
##	CSI012	0.000000e+00	0	0	0	0	0	
##	CSI022	0.000000e+00	0	0	0	0	0	
##	CSI044	0.000000e+00	0	0	0	0	0	
##	CSI055	0.000000e+00	0	0	0	0	0	
##	CSI065	0.000000e+00	0	0	0	0	0	
##	CSI076	0.000000e+00	0	0	0	0	0	
##		0tu07465	0tu07466	0tu07467	0tu07468	0tu07469		
##	CSI001	0.000000e+00	0	0.000000e+00	0.000000e+00	4.690652e-05		
##	CSI012	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI022	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI055	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI065	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI076	2.890675e-05	0	0.000000e+00	0.000000e+00	0.000000e+00		
##		0tu07470	0tu07471	0tu07472	0tu07473	0tu07474	0tu07475	0tu07476
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07477	0tu07478	0tu07479	0tu07480	0tu07481	0tu07482	
##	CSI001	2.345326e-05	0.000000e+00	0	0	0	0.000000e+00	
##	CSI012	3.449941e-05	0.000000e+00	0	0	0	0.000000e+00	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	3.943140e-05	

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## CSI055 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI065 0.000000e+00 0.000000e+00      0      0      0 3.782005e-05
## CSI076 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
##      0tu07483 0tu07484 0tu07485 0tu07486 0tu07487 0tu07488 0tu07489
## CSI001 4.690652e-05      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu07490 0tu07491 0tu07492 0tu07493      0tu07494 0tu07495 0tu07496
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 1.724971e-05      0      0
## CSI022      0      0      0      0 0.000000e+00      0      0
## CSI044      0      0      0      0 0.000000e+00      0      0
## CSI055      0      0      0      0 0.000000e+00      0      0
## CSI065      0      0      0      0 0.000000e+00      0      0
## CSI076      0      0      0      0 0.000000e+00      0      0
##      0tu07497      0tu07498 0tu07499 0tu07500 0tu07501 0tu07502 0tu07503
## CSI001      0 4.690652e-05      0      0      0      0      0
## CSI012      0 0.000000e+00      0      0      0      0      0
## CSI022      0 0.000000e+00      0      0      0      0      0
## CSI044      0 0.000000e+00      0      0      0      0      0
## CSI055      0 0.000000e+00      0      0      0      0      0
## CSI065      0 0.000000e+00      0      0      0      0      0
## CSI076      0 0.000000e+00      0      0      0      0      0
##      0tu07504 0tu07505      0tu07506      0tu07507 0tu07508 0tu07509
## CSI001      0      0 0.000000e+00 0.000000e+00      0      0
## CSI012      0      0 0.000000e+00 0.000000e+00      0      0
## CSI022      0      0 0.000000e+00 0.000000e+00      0      0
## CSI044      0      0 0.000000e+00 0.000000e+00      0      0
## CSI055      0      0 0.000000e+00 0.000000e+00      0      0
## CSI065      0      0 0.000000e+00 0.000000e+00      0      0
## CSI076      0      0 0.000000e+00 2.890675e-05      0      0
##      0tu07510 0tu07511 0tu07512 0tu07513 0tu07514      0tu07515 0tu07516
## CSI001      0      0      0      0      0 2.345326e-05      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu07517 0tu07518 0tu07519 0tu07520 0tu07521      0tu07522 0tu07523
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu07524 0tu07525      0tu07526 0tu07527 0tu07528 0tu07529 0tu07530
## CSI001      0      0 0.0000000000      0      0      0      0
## CSI012      0      0 0.0000000000      0      0      0      0

```

##	CSI022	0	0	0.0001290933	0	0	0	0
##	CSI044	0	0	0.0000000000	0	0	0	0
##	CSI055	0	0	0.0000000000	0	0	0	0
##	CSI065	0	0	0.0000000000	0	0	0	0
##	CSI076	0	0	0.0000000000	0	0	0	0
##		0tu07531	0tu07532	0tu07533	0tu07534	0tu07535	0tu07536	0tu07537
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	2.151417e-05	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu07538	0tu07539	0tu07540	0tu07541	0tu07542	0tu07543	
##	CSI001	0	2.345326e-05	0	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0.000000e+00	0	0.000000e+00	0	3.449941e-05	
##	CSI022	0	4.303111e-05	0	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0.000000e+00	0	2.151417e-05	0	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##		0tu07544	0tu07545	0tu07546	0tu07547	0tu07548	0tu07549	
##	CSI001	0.000000e+00	0	0	0	0	0	
##	CSI012	0.000000e+00	0	0	0	0	0	
##	CSI022	0.000000e+00	0	0	0	0	0	
##	CSI044	0.000000e+00	0	0	0	0	0	
##	CSI055	0.000000e+00	0	0	0	0	0	
##	CSI065	0.000000e+00	0	0	0	0	0	
##	CSI076	0.000000e+00	0	0	0	0	0	
##		0tu07550	0tu07551	0tu07552	0tu07553	0tu07554	0tu07555	
##	CSI001	2.345326e-05	0	0	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0	
##		0tu07556	0tu07557	0tu07558	0tu07559	0tu07560	0tu07561	0tu07562
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	2.151417e-05	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu07563	0tu07564	0tu07565	0tu07566	0tu07567	0tu07568	0tu07569
##	CSI001	2.345326e-05	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu07570	0tu07571	0tu07572	0tu07573	0tu07574	0tu07575	0tu07576

##	CSI001	0	0	0	0 0.000000e+00	0	0
##	CSI012	0	0	0	0 0.000000e+00	0	0
##	CSI022	0	0	0	0 0.000000e+00	0	0
##	CSI044	0	0	0	0 0.000000e+00	0	0
##	CSI055	0	0	0	0 0.000000e+00	0	0
##	CSI065	0	0	0	0 0.000000e+00	0	0
##	CSI076	0	0	0	0 0.000000e+00	0	0
##		0tu07577	0tu07578	0tu07579	0tu07580	0tu07581	0tu07582
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI012	1.724971e-05	0	0	0.000000e+00	0	0
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu07583	0tu07584	0tu07585	0tu07586	0tu07587	0tu07588
##	CSI001	2.345326e-05	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		0tu07590	0tu07591	0tu07592	0tu07593	0tu07594	0tu07595
##	CSI001	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	2.151556e-05	0	0
##	CSI044	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0.000000e+00	0	0
##		0tu07597	0tu07598	0tu07599	0tu07600	0tu07601	0tu07602
##	CSI001	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	2.890675e-05	0	0	0
##		0tu07604	0tu07605	0tu07606	0tu07607	0tu07608	0tu07609
##	CSI001	0	0	0	0 2.345326e-05	0	
##	CSI012	0	0	0	0 0.000000e+00	0	
##	CSI022	0	0	0	0 0.000000e+00	0	
##	CSI044	0	0	0	0 0.000000e+00	0	
##	CSI055	0	0	0	0 0.000000e+00	0	
##	CSI065	0	0	0	0 0.000000e+00	0	
##	CSI076	0	0	0	0 0.000000e+00	0	
##		0tu07610	0tu07611	0tu07612	0tu07613	0tu07614	0tu07615
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	1.724971e-05	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0

##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu07617	0tu07618	0tu07619	0tu07620	0tu07621	0tu07622	0tu07623
##	CSI001	0 0.00000e+00	0	0	0	0	0	0
##	CSI012	0 0.00000e+00	0	0	0	0	0	0
##	CSI022	0 0.00000e+00	0	0	0	0	0	0
##	CSI044	0 0.00000e+00	0	0	0	0	0	0
##	CSI055	0 0.00000e+00	0	0	0	0	0	0
##	CSI065	0 7.56401e-05	0	0	0	0	0	0
##	CSI076	0 0.00000e+00	0	0	0	0	0	0
##		0tu07624	0tu07625	0tu07626	0tu07627	0tu07628	0tu07629	
##	CSI001	0 2.345326e-05	0 0.000000e+00	0	0	0	0	
##	CSI012	0 0.000000e+00	0 0.000000e+00	0	0	0	0	
##	CSI022	0 0.000000e+00	0 2.151556e-05	0	0	0	0	
##	CSI044	0 0.000000e+00	0 0.000000e+00	0	0	0	0	
##	CSI055	0 0.000000e+00	0 0.000000e+00	0	0	0	0	
##	CSI065	0 0.000000e+00	0 0.000000e+00	0	0	0	0	
##	CSI076	0 0.000000e+00	0 0.000000e+00	0	0	0	0	
##		0tu07630	0tu07631	0tu07632	0tu07633	0tu07634	0tu07635	0tu07636
##	CSI001	0	0	0	0	0	0 0.000000e+00	
##	CSI012	0	0	0	0	0	0 0.000000e+00	
##	CSI022	0	0	0	0	0	0 0.000000e+00	
##	CSI044	0	0	0	0	0	0 0.000000e+00	
##	CSI055	0	0	0	0	0	0 0.000000e+00	
##	CSI065	0	0	0	0	0	0 0.000000e+00	
##	CSI076	0	0	0	0	0	0 0.000000e+00	
##		0tu07637	0tu07638	0tu07639	0tu07640	0tu07641	0tu07642	
##	CSI001	0	0	0	0 2.345326e-05	0	0	
##	CSI012	0	0	0	0 0.000000e+00	0	0	
##	CSI022	0	0	0	0 2.151556e-05	0	0	
##	CSI044	0	0	0	0 0.000000e+00	0	0	
##	CSI055	0	0	0	0 0.000000e+00	0	0	
##	CSI065	0	0	0	0 0.000000e+00	0	0	
##	CSI076	0	0	0	0 0.000000e+00	0	0	
##		0tu07643	0tu07644	0tu07645	0tu07646	0tu07647	0tu07648	0tu07649
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	2.151556e-05	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu07650	0tu07651	0tu07652	0tu07653	0tu07654	0tu07655	
##	CSI001	0 2.345326e-05	0	0 0.000000e+00	0	0	0	
##	CSI012	0 0.000000e+00	0	0 3.449941e-05	0	0	0	
##	CSI022	0 0.000000e+00	0	0 0.000000e+00	0	0	0	
##	CSI044	0 0.000000e+00	0	0 0.000000e+00	0	0	0	
##	CSI055	0 0.000000e+00	0	0 0.000000e+00	0	0	0	
##	CSI065	0 0.000000e+00	0	0 0.000000e+00	0	0	0	
##	CSI076	0 0.000000e+00	0	0 0.000000e+00	0	0	0	
##		0tu07656	0tu07657	0tu07658	0tu07659	0tu07660	0tu07661	0tu07662
##	CSI001	0	0	0	0	0	0 2.345326e-05	
##	CSI012	0	0	0	0	0	0 0.000000e+00	
##	CSI022	0	0	0	0	0	0 0.000000e+00	
##	CSI044	0	0	0	0	0	0 0.000000e+00	

##	CSI055	0	0	0	0	0	0 0.000000e+00
##	CSI065	0	0	0	0	0	0 0.000000e+00
##	CSI076	0	0	0	0	0	0 0.000000e+00
##		0tu07663	0tu07664	0tu07665	0tu07666	0tu07667	0tu07668
##	CSI001	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	1.724971e-05	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##		0tu07669	0tu07670	0tu07671	0tu07672	0tu07673	0tu07674
##	CSI001	0	0	0	0.000000e+00	0.00000e+00	2.345326e-05
##	CSI012	0	0	0	0.000000e+00	0.00000e+00	0.000000e+00
##	CSI022	0	0	0	4.303111e-05	0.00000e+00	0.000000e+00
##	CSI044	0	0	0	0.000000e+00	0.00000e+00	0.000000e+00
##	CSI055	0	0	0	0.000000e+00	0.00000e+00	0.000000e+00
##	CSI065	0	0	0	0.000000e+00	7.56401e-05	0.000000e+00
##	CSI076	0	0	0	0.000000e+00	0.00000e+00	0.000000e+00
##		0tu07675	0tu07676	0tu07677	0tu07678	0tu07679	0tu07680
##	CSI001	0	0	0	0 0.000000e+00	0	
##	CSI012	0	0	0	0 0.000000e+00	0	
##	CSI022	0	0	0	0 0.000000e+00	0	
##	CSI044	0	0	0	0 0.000000e+00	0	
##	CSI055	0	0	0	0 6.454250e-05	0	
##	CSI065	0	0	0	0 0.000000e+00	0	
##	CSI076	0	0	0	0 2.890675e-05	0	
##		0tu07681	0tu07682	0tu07683	0tu07684	0tu07685	0tu07686
##	CSI001	0.000000e+00	0.00000e+00	0	0.000000e+00	0	0
##	CSI012	0.000000e+00	0.00000e+00	0	1.724971e-05	0	0
##	CSI022	0.000000e+00	0.00000e+00	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0.00000e+00	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	6.45425e-05	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0.00000e+00	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0.00000e+00	0	0.000000e+00	0	0
##		0tu07687	0tu07688	0tu07689	0tu07690	0tu07691	0tu07692
##	CSI001	0	0	0	0 0.000000e+00	0	0
##	CSI012	0	0	0	0 0.000000e+00	0	0
##	CSI022	0	0	0	0 4.303111e-05	0	0
##	CSI044	0	0	0	0 0.000000e+00	0	0
##	CSI055	0	0	0	0 0.000000e+00	0	0
##	CSI065	0	0	0	0 0.000000e+00	0	0
##	CSI076	0	0	0	0 0.000000e+00	0	0
##		0tu07694	0tu07695	0tu07696	0tu07697	0tu07698	0tu07699
##	CSI001	0	0 0.000000e+00	0	0	0	0
##	CSI012	0	0 0.000000e+00	0	0	0	0
##	CSI022	0	0 2.151556e-05	0	0	0	0
##	CSI044	0	0 0.000000e+00	0	0	0	0
##	CSI055	0	0 0.000000e+00	0	0	0	0
##	CSI065	0	0 0.000000e+00	0	0	0	0
##	CSI076	0	0 0.000000e+00	0	0	0	0
##		0tu07701	0tu07702	0tu07703	0tu07704	0tu07705	0tu07706
##	CSI001	0	0 0.0000000000	0	0.000000e+00	0	
##	CSI012	0	0 0.0000000000	0	0.000000e+00	0	

##	CSI022	0	0	0.0000000000	0	0.000000e+00	0	
##	CSI044	0	0	0.0000000000	0	0.000000e+00	0	
##	CSI055	0	0	0.0000000000	0	4.302833e-05	0	
##	CSI065	0	0	0.0000000000	0	0.000000e+00	0	
##	CSI076	0	0	0.0000000000	0	2.890675e-05	0	
##		0tu07707	0tu07708	0tu07709	0tu07710	0tu07711	0tu07712	0tu07713
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu07714	0tu07715	0tu07716	0tu07717	0tu07718	0tu07719	0tu07720
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07721	0tu07722	0tu07723	0tu07724	0tu07725	0tu07726	0tu07727
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07728	0tu07729	0tu07730	0tu07731	0tu07732	0tu07733	0tu07734
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	5.174912e-05
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu07735	0tu07736	0tu07737	0tu07738	0tu07739	0tu07740	0tu07741
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	4.302833e-05	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu07742	0tu07743	0tu07744	0tu07745	0tu07746	0tu07747	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI012	1.724971e-05	0	1.724971e-05	0	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu07748	0tu07749	0tu07750	0tu07751	0tu07752	0tu07753	

##	CSI001	0.000000e+00	0.000000e+00	0	2.345326e-05	0	0
##	CSI012	6.899883e-05	0.000000e+00	0	0.000000e+00	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	6.454250e-05	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##		0tu07754	0tu07755	0tu07756	0tu07757	0tu07758	0tu07759
##	CSI001	0	4.690652e-05	0	0	0	0.000000e+00
##	CSI012	0	0.000000e+00	0	0	0	3.449941e-05
##	CSI022	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI076	0	0.000000e+00	0	0	0	0.000000e+00
##		0tu07760	0tu07761	0tu07762	0tu07763	0tu07764	0tu07765
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu07767	0tu07768	0tu07769	0tu07770	0tu07771	0tu07772
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	2.151417e-05	2.151417e-05	0	0	0	0.000000e+00
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##		0tu07773	0tu07774	0tu07775	0tu07776	0tu07777	0tu07778
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu07779	0tu07780	0tu07781	0tu07782	0tu07783	0tu07784
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		0tu07785	0tu07786	0tu07787	0tu07788	0tu07789	0tu07790
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	6.899883e-05	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0

##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu07792	0tu07793	0tu07794	0tu07795	0tu07796	0tu07797	0tu07798
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	2.151556e-05	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu07799	0tu07800	0tu07801	0tu07802	0tu07803	0tu07804	0tu07805
##	CSI001	0	0	0	2.345326e-05	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu07806	0tu07807	0tu07808	0tu07809	0tu07810	0tu07811	0tu07812
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu07813	0tu07814	0tu07815	0tu07816	0tu07817	0tu07818	0tu07819
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07820	0tu07821	0tu07822	0tu07823	0tu07824	0tu07825	0tu07826
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07827	0tu07828	0tu07829	0tu07830	0tu07831	0tu07832	0tu07833
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	2.151417e-05	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu07834	0tu07835	0tu07836	0tu07837	0tu07838	0tu07839	
##	CSI001	0.000000e+00	0	0.00000e+00	0	0	0	
##	CSI012	1.724971e-05	0	0.00000e+00	0	0	0	
##	CSI022	0.000000e+00	0	0.00000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.00000e+00	0	0	0	

##	CSI055	0.000000e+00	0	6.45425e-05	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu07840	0tu07841	0tu07842	0tu07843	0tu07844	0tu07845
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu07847	0tu07848	0tu07849	0tu07850	0tu07851	0tu07852
##	CSI001	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI012	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI022	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI044	0	0	5.91471e-05	0	0.000000e+00	0.000000e+00
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	2.890675e-05
##		0tu07853	0tu07854	0tu07855	0tu07856	0tu07857	0tu07858
##	CSI001	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI012	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI022	0	0	0	0	0.000000e+00	2.151556e-05
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI055	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI076	0	0	0	0	0.000000e+00	0.000000e+00
##		0tu07859	0tu07860	0tu07861	0tu07862	0tu07863	0tu07864
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI012	0	0	0	1.724971e-05	0	0.000000e+00
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI076	0	0	0	0.000000e+00	0	2.890675e-05
##		0tu07865	0tu07866	0tu07867	0tu07868	0tu07869	0tu07870
##	CSI001	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	6.899883e-05	0	0
##	CSI022	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0.000000e+00	0	0
##		0tu07872	0tu07873	0tu07874	0tu07875	0tu07876	0tu07877
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu07879	0tu07880	0tu07881	0tu07882	0tu07883	0tu07884
##	CSI001	0	0	0	2.345326e-05	0	0
##	CSI012	0	0	0	0.000000e+00	0	0

##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu07886	0tu07887	0tu07888	0tu07889	0tu07890	0tu07891	0tu07892
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	5.781349e-05	0	0	0
##		0tu07893	0tu07894	0tu07895	0tu07896	0tu07897	0tu07898	0tu07899
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07900	0tu07901	0tu07902	0tu07903	0tu07904	0tu07905	0tu07906
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07907	0tu07908	0tu07909	0tu07910	0tu07911	0tu07912	0tu07913
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	2.151417e-05	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu07914	0tu07915	0tu07916	0tu07917	0tu07918	0tu07919	
##	CSI001	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0	1.724971e-05	3.449941e-05	0	0.000000e+00	0	
##	CSI022	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##		0tu07920	0tu07921	0tu07922	0tu07923	0tu07924	0tu07925	
##	CSI001	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI022	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0	0	0.000000e+00	2.890675e-05	
##		0tu07926	0tu07927	0tu07928	0tu07929	0tu07930	0tu07931	0tu07932

##	CSI001	0	0	0	0	0	2.345326e-05	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu07933	0tu07934	0tu07935	0tu07936	0tu07937	0tu07938	
##	CSI001	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI012	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI022	0	0	6.454667e-05	0.000000e+00	0	0	
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI055	0	0	0.000000e+00	2.151417e-05	0	0	
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0	
##		0tu07939	0tu07940	0tu07941	0tu07942	0tu07943	0tu07944	0tu07945
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	1.724971e-05
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu07946	0tu07947	0tu07948	0tu07949	0tu07950	0tu07951	0tu07952
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07953	0tu07954	0tu07955	0tu07956	0tu07957	0tu07958	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI012	1.724971e-05	0	0.000000e+00	0	1.724971e-05	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##		0tu07959	0tu07960	0tu07961	0tu07962	0tu07963	0tu07964	
##	CSI001	0	0	0.000000e+00	0	0	0	
##	CSI012	0	0	0.000000e+00	0	0	0	
##	CSI022	0	0	2.151556e-05	0	0	0	
##	CSI044	0	0	0.000000e+00	0	0	0	
##	CSI055	0	0	0.000000e+00	0	0	0	
##	CSI065	0	0	0.000000e+00	0	0	0	
##	CSI076	0	0	0.000000e+00	0	0	0	
##		0tu07965	0tu07966	0tu07967	0tu07968	0tu07969	0tu07970	0tu07971
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0

##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu07972	0tu07973	0tu07974	0tu07975	0tu07976	0tu07977	
##	CSI001	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	8.606222e-05	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	1.971570e-05	0	0	
##	CSI055	4.302833e-05	0	2.151417e-05	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##		0tu07978	0tu07979	0tu07980	0tu07981	0tu07982	0tu07983	0tu07984
##	CSI001	0	0	0	2.345326e-05	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu07985	0tu07986	0tu07987	0tu07988	0tu07989	0tu07990	0tu07991
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu07992	0tu07993	0tu07994	0tu07995	0tu07996	0tu07997	0tu07998
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	4.302833e-05	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu07999	0tu08000	0tu08001	0tu08002	0tu08003	0tu08004	0tu08005
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	4.302833e-05
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu08006	0tu08007	0tu08008	0tu08009	0tu08010	0tu08011	
##	CSI001	0.000000e+00	0	0	0	0	0.0000000000	
##	CSI012	0.000000e+00	0	0	0	0	0.0000000000	
##	CSI022	0.000000e+00	0	0	0	0	0.0001075778	
##	CSI044	1.97157e-05	0	0	0	0	0.0000000000	
##	CSI055	0.000000e+00	0	0	0	0	0.0000000000	
##	CSI065	0.000000e+00	0	0	0	0	0.0000000000	
##	CSI076	0.000000e+00	0	0	0	0	0.0000000000	
##		0tu08012	0tu08013	0tu08014	0tu08015	0tu08016	0tu08017	0tu08018
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08019	0tu08020	0tu08021	0tu08022	0tu08023	0tu08024	
##	CSI001	0	0	0	0	0	0.000000e+00	
##	CSI012	0	0	0	0	0	1.724971e-05	
##	CSI022	0	0	0	0	0	0.000000e+00	
##	CSI044	0	0	0	0	0	0.000000e+00	
##	CSI055	0	0	0	0	0	0.000000e+00	
##	CSI065	0	0	0	0	0	0.000000e+00	
##	CSI076	0	0	0	0	0	0.000000e+00	
##		0tu08025	0tu08026	0tu08027	0tu08028	0tu08029	0tu08030	
##	CSI001	0.000000e+00	0	0	0.000000e+00	0.0000000000	0	
##	CSI012	0.000000e+00	0	0	0.000000e+00	0.0000000000	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.0000000000	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.0000000000	0	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0.0000000000	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.0001134602	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0.0000000000	0	
##		0tu08031	0tu08032	0tu08033	0tu08034	0tu08035	0tu08036	0tu08037
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08038	0tu08039	0tu08040	0tu08041	0tu08042	0tu08043	0tu08044
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08045	0tu08046	0tu08047	0tu08048	0tu08049	0tu08050	0tu08051
##	CSI001	0	0	0	0.0000000000	0	0	0
##	CSI012	0	0	0	0.0000000000	0	0	0
##	CSI022	0	0	0	0.0001075778	0	0	0
##	CSI044	0	0	0	0.0000000000	0	0	0
##	CSI055	0	0	0	0.0000000000	0	0	0
##	CSI065	0	0	0	0.0000000000	0	0	0
##	CSI076	0	0	0	0.0000000000	0	0	0
##		0tu08052	0tu08053	0tu08054	0tu08055	0tu08056	0tu08057	0tu08058
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu08059	0tu08060	0tu08061	0tu08062	0tu08063	0tu08064	
##	CSI001	0	0.000000e+00	4.690652e-05	0	0	0	
##	CSI012	0	1.724971e-05	0.000000e+00	0	0	0	

##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI055	0	0.000000e+00	2.151417e-05	0	0	0
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0
##	0tu08065	0tu08066	0tu08067	0tu08068	0tu08069	0tu08070	0tu08071
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##	0tu08072	0tu08073	0tu08074	0tu08075	0tu08076	0tu08077	0tu08078
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	8.624853e-05	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##	0tu08079	0tu08080	0tu08081	0tu08082	0tu08083	0tu08084	
##	CSI001	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI012	0	0.000000e+00	0	0	0	1.724971e-05
##	CSI022	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	0	2.151417e-05	0	0	0	0.000000e+00
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI076	0	0.000000e+00	0	0	0	0.000000e+00
##	0tu08085	0tu08086	0tu08087	0tu08088	0tu08089	0tu08090	0tu08091
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	5.174912e-05	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	2.890675e-05	0	0	0	0
##	0tu08092	0tu08093	0tu08094	0tu08095	0tu08096	0tu08097	0tu08098
##	CSI001	0	0	0	0	4.690652e-05	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##	0tu08099	0tu08100	0tu08101	0tu08102	0tu08103	0tu08104	
##	CSI001	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI012	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI022	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI076	0	0	8.672024e-05	0	0.000000e+00	2.890675e-05
##	0tu08105	0tu08106	0tu08107	0tu08108	0tu08109	0tu08110	

##	CSI001	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI012	0	0.000000e+00	0	0	1.724971e-05	0	
##	CSI022	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI065	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI076	0	0.000000e+00	0	0	0.000000e+00	0	
##		0tu08111	0tu08112	0tu08113	0tu08114	0tu08115	0tu08116	0tu08117
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08118	0tu08119	0tu08120	0tu08121	0tu08122	0tu08123	
##	CSI001	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI022	0	0	0	0	2.151556e-05	0.000000e+00	
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	0	0.000000e+00	2.151417e-05	
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0	0	0.000000e+00	0.000000e+00	
##		0tu08124	0tu08125	0tu08126	0tu08127	0tu08128	0tu08129	0tu08130
##	CSI001	0	0	0	0	0	0	4.690652e-05
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu08131	0tu08132	0tu08133	0tu08134	0tu08135	0tu08136	
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0	1.724971e-05	0.000000e+00	
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	2.151556e-05	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI076	8.672024e-05	0	0	0	0.000000e+00	0.000000e+00	
##		0tu08137	0tu08138	0tu08139	0tu08140	0tu08141	0tu08142	
##	CSI001	0.000000e+00	0.000000e+00	2.345326e-05	0	0	0	
##	CSI012	1.724971e-05	0.000000e+00	0.000000e+00	0	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0.000000e+00	2.151417e-05	0	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##		0tu08143	0tu08144	0tu08145	0tu08146	0tu08147	0tu08148	
##	CSI001	2.345326e-05	0.000000e+00	0	0	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0	

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## CSI076 0.000000e+00 0.000000e+00      0      0      0      0
##      0tu08149 0tu08150 0tu08151 0tu08152 0tu08153 0tu08154 0tu08155
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu08156 0tu08157 0tu08158 0tu08159 0tu08160 0tu08161 0tu08162
## CSI001 0.0000000000      0      0      0      0      0      0
## CSI012 0.0000000000      0      0      0      0      0      0
## CSI022 0.0000000000      0      0      0      0      0      0
## CSI044 0.0000000000      0      0      0      0      0      0
## CSI055 0.0000000000      0      0      0      0      0      0
## CSI065 0.0000000000      0      0      0      0      0      0
## CSI076 0.0000000000      0      0      0      0      0      0
##      0tu08163      0tu08164      0tu08165 0tu08166 0tu08167 0tu08168
## CSI001      0 0.0000000000 0.000000e+00      0      0      0
## CSI012      0 0.0000000000 1.724971e-05      0      0      0
## CSI022      0 0.0000000000 0.000000e+00      0      0      0
## CSI044      0 0.0000000000 0.000000e+00      0      0      0
## CSI055      0 0.0000000000 2.151417e-05      0      0      0
## CSI065      0 0.0000000000 0.000000e+00      0      0      0
## CSI076      0 0.0000000000 0.000000e+00      0      0      0
##      0tu08169 0tu08170      0tu08171 0tu08172 0tu08173 0tu08174 0tu08175
## CSI001      0      0 2.345326e-05      0      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0      0
## CSI055      0      0 0.000000e+00      0      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0      0
##      0tu08176 0tu08177      0tu08178 0tu08179 0tu08180 0tu08181
## CSI001      0      0 0.000000e+00      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0
## CSI055      0      0 0.000000e+00      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0
##      0tu08182 0tu08183 0tu08184 0tu08185 0tu08186 0tu08187 0tu08188
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu08189 0tu08190      0tu08191      0tu08192 0tu08193 0tu08194
## CSI001 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI012 0.000000e+00      0 0.000000e+00 3.449941e-05      0      0
## CSI022 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI044 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0

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##	CSI055	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	3.782005e-05	0.000000e+00	0	0
##	CSI076	2.890675e-05	0	0.000000e+00	0.000000e+00	0	0
##		0tu08195	0tu08196	0tu08197	0tu08198	0tu08199	0tu08200
##	CSI001	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI012	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI022	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI065	0	0.000000e+00	0	7.56401e-05	0	0
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0
##		0tu08201	0tu08202	0tu08203	0tu08204	0tu08205	0tu08206
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	8.605667e-05	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu08208	0tu08209	0tu08210	0tu08211	0tu08212	0tu08213
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu08215	0tu08216	0tu08217	0tu08218	0tu08219	0tu08220
##	CSI001	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI012	0	0	1.724971e-05	0	0	0.000000e+00
##	CSI022	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI044	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI055	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI065	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI076	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu08221	0tu08222	0tu08223	0tu08224	0tu08225	0tu08226
##	CSI001	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0
##		0tu08228	0tu08229	0tu08230	0tu08231	0tu08232	0tu08233
##	CSI001	7.035977e-05	0	0	0	0	0.000000e+00
##	CSI012	0.000000e+00	0	0	0	0	1.724971e-05
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI055	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu08234	0tu08235	0tu08236	0tu08237	0tu08238	0tu08239
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08241	0tu08242	0tu08243	0tu08244	0tu08245	0tu08246	
##	CSI001	0.000000e+00	9.381303e-05	0	0	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI055	2.151417e-05	0.000000e+00	0	0	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0	
##		0tu08247	0tu08248	0tu08249	0tu08250	0tu08251	0tu08252	0tu08253
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	3.449941e-05	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu08254	0tu08255	0tu08256	0tu08257	0tu08258	0tu08259	0tu08260
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08261	0tu08262	0tu08263	0tu08264	0tu08265	0tu08266	
##	CSI001	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI076	0	0	0	0.000000e+00	5.781349e-05	0	
##		0tu08267	0tu08268	0tu08269	0tu08270	0tu08271	0tu08272	
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI012	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI055	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI076	0	0.000000e+00	5.781349e-05	0	0	0	
##		0tu08273	0tu08274	0tu08275	0tu08276	0tu08277	0tu08278	0tu08279
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08280	0tu08281	0tu08282	0tu08283	0tu08284	0tu08285	0tu08286

##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	1.724971e-05	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu08287	0tu08288	0tu08289	0tu08290	0tu08291	0tu08292	
##	CSI001	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0	2.151417e-05	0	2.151417e-05	0	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0	0	2.890675e-05	0	0.000000e+00	0	
##		0tu08293	0tu08294	0tu08295	0tu08296	0tu08297	0tu08298	
##	CSI001	0.0000000000	0	0	0	0	7.035977e-05	
##	CSI012	0.0000000000	0	0	0	0	1.724971e-05	
##	CSI022	0.0000000000	0	0	0	0	0.000000e+00	
##	CSI044	0.0000000000	0	0	0	0	0.000000e+00	
##	CSI055	0.0000000000	0	0	0	0	0.000000e+00	
##	CSI065	0.0000000000	0	0	0	0	0.000000e+00	
##	CSI076	0.0000000000	0	0	0	0	0.000000e+00	
##		0tu08299	0tu08300	0tu08301	0tu08302	0tu08303	0tu08304	0tu08305
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	1.724971e-05	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	2.151417e-05	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu08306	0tu08307	0tu08308	0tu08309	0tu08310	0tu08311	0tu08312
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08313	0tu08314	0tu08315	0tu08316	0tu08317	0tu08318	0tu08319
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08320	0tu08321	0tu08322	0tu08323	0tu08324	0tu08325	0tu08326
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	3.782005e-05	0	0	0	0	0

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## CSI076      0 0.000000e+00      0      0      0      0      0
##      0tu08327 0tu08328 0tu08329 0tu08330 0tu08331 0tu08332 0tu08333
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu08334 0tu08335      0tu08336 0tu08337 0tu08338 0tu08339 0tu08340
## CSI001      0      0 0.000000e+00      0      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0      0
## CSI055      0      0 0.000000e+00      0      0      0      0
## CSI065      0      0 3.782005e-05      0      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0      0
##      0tu08341 0tu08342 0tu08343 0tu08344 0tu08345 0tu08346 0tu08347
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu08348 0tu08349 0tu08350 0tu08351 0tu08352 0tu08353 0tu08354
## CSI001 4.690652e-05      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu08355 0tu08356      0tu08357 0tu08358      0tu08359 0tu08360
## CSI001      0      0 0.000000e+00      0 0.000000e+00      0
## CSI012      0      0 0.000000e+00      0 0.000000e+00      0
## CSI022      0      0 0.000000e+00      0 0.000000e+00      0
## CSI044      0      0 0.000000e+00      0 0.000000e+00      0
## CSI055      0      0 2.151417e-05      0 2.151417e-05      0
## CSI065      0      0 0.000000e+00      0 0.000000e+00      0
## CSI076      0      0 0.000000e+00      0 0.000000e+00      0
##      0tu08361 0tu08362 0tu08363 0tu08364 0tu08365 0tu08366      0tu08367
## CSI001      0      0      0      0      0      0 0.000000e+00
## CSI012      0      0      0      0      0      0 5.174912e-05
## CSI022      0      0      0      0      0      0 0.000000e+00
## CSI044      0      0      0      0      0      0 0.000000e+00
## CSI055      0      0      0      0      0      0 0.000000e+00
## CSI065      0      0      0      0      0      0 0.000000e+00
## CSI076      0      0      0      0      0      0 0.000000e+00
##      0tu08368 0tu08369 0tu08370 0tu08371 0tu08372      0tu08373 0tu08374
## CSI001      0      0      0      0      0 4.690652e-05      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0

```

##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu08375	0tu08376	0tu08377	0tu08378	0tu08379	0tu08380	
##	CSI001	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0	0	1.724971e-05	
##	CSI022	4.303111e-05	0	0	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI055	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00	
##		0tu08381	0tu08382	0tu08383	0tu08384	0tu08385	0tu08386	0tu08387
##	CSI001	0	0	2.345326e-05	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	2.151556e-05	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu08388	0tu08389	0tu08390	0tu08391	0tu08392	0tu08393	
##	CSI001	0.000000e+00	4.690652e-05	0	0	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0	
##		0tu08394	0tu08395	0tu08396	0tu08397	0tu08398	0tu08399	0tu08400
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08401	0tu08402	0tu08403	0tu08404	0tu08405	0tu08406	0tu08407
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	5.174912e-05	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu08408	0tu08409	0tu08410	0tu08411	0tu08412	0tu08413	0tu08414
##	CSI001	0	0	0	2.345326e-05	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu08415	0tu08416	0tu08417	0tu08418	0tu08419	0tu08420	0tu08421
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	
##	CSI044	0	0	0	0	0	0	
##	CSI055	0	0	0	0	0	0	
##	CSI065	0	0	0	0	0	0	
##	CSI076	0	0	0	0	0	0	
##		0tu08422	0tu08423	0tu08424	0tu08425	0tu08426	0tu08427	
##	CSI001	0.000000e+00	0	2.345326e-05	0	0	0.000000e+00	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	1.971570e-05	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	2.151417e-05	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	3.782005e-05	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##		0tu08428	0tu08429	0tu08430	0tu08431	0tu08432	0tu08433	
##	CSI001	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI012	0	0.000000e+00	0	0	1.724971e-05	0.000000e+00	
##	CSI022	0	4.303111e-05	0	0	0.000000e+00	0.000000e+00	
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##		0tu08434	0tu08435	0tu08436	0tu08437	0tu08438	0tu08439	
##	CSI001	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI022	0.000000e+00	2.151556e-05	0	2.151556e-05	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##		0tu08440	0tu08441	0tu08442	0tu08443	0tu08444	0tu08445	0tu08446
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu08447	0tu08448	0tu08449	0tu08450	0tu08451	0tu08452	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	0	3.449941e-05	0	0	0	
##	CSI022	0.000000e+00	0	2.151556e-05	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu08453	0tu08454	0tu08455	0tu08456	0tu08457	0tu08458	0tu08459
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	3.449941e-05	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu08460	0tu08461	0tu08462	0tu08463	0tu08464	0tu08465	0tu08466

##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu08467	0tu08468	0tu08469	0tu08470	0tu08471	0tu08472
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu08474	0tu08475	0tu08476	0tu08477	0tu08478	0tu08479
##	CSI001	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI012	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI022	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI055	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu08480	0tu08481	0tu08482	0tu08483	0tu08484	0tu08485
##	CSI001	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0.000000e+00
##		0tu08487	0tu08488	0tu08489	0tu08490	0tu08491	0tu08492
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##		0tu08494	0tu08495	0tu08496	0tu08497	0tu08498	0tu08499
##	CSI001	0	0	0.0000000000	0	0	0
##	CSI012	0	0	0.0000000000	0	0	0
##	CSI022	0	0	0.0000000000	0	0	0
##	CSI044	0	0	0.0000000000	0	0	0
##	CSI055	0	0	0.0000000000	0	0	0
##	CSI065	0	0	0.0000000000	0	0	0
##	CSI076	0	0	0.0001445337	0	0	0
##		0tu08501	0tu08502	0tu08503	0tu08504	0tu08505	0tu08506
##	CSI001	0	0.000000e+00	0.0000000000	0	0	2.345326e-05
##	CSI012	0	0.000000e+00	0.0000000000	0	0	0.000000e+00
##	CSI022	0	0.000000e+00	0.0000000000	0	0	0.000000e+00
##	CSI044	0	0.000000e+00	0.0000000000	0	0	0.000000e+00
##	CSI055	0	0.000000e+00	0.0000000000	0	0	0.000000e+00
##	CSI065	0	0.000000e+00	0.0000000000	0	0	0.000000e+00
##	CSI076	0	3.782005e-05	0.0001134602	0	0	0.000000e+00

## CSI076	0	2.890675e-05	0.0000000000	0	0	0.000000e+00	
##	0tu08507	0tu08508	0tu08509	0tu08510	0tu08511	0tu08512	0tu08513
## CSI001	0	0	0	0	0	0	0
## CSI012	0	0	0	0	0	0	0
## CSI022	0	0	0	0	0	0	0
## CSI044	0	0	0	0	0	0	0
## CSI055	0	0	0	0	0	0	0
## CSI065	0	0	0	0	0	0	0
## CSI076	0	0	0	0	0	0	0
##	0tu08514	0tu08515	0tu08516	0tu08517	0tu08518	0tu08519	0tu08520
## CSI001	0	0	0	0	0	0	0
## CSI012	0	0	0	0	0	0	0
## CSI022	0	0	0	0	0	0	0
## CSI044	0	0	0	0	0	0	0
## CSI055	0	0	0	0	0	0	0
## CSI065	0	0	0	0	0	0	0
## CSI076	0	0	0	0	0	0	0
##	0tu08521	0tu08522	0tu08523	0tu08524	0tu08525	0tu08526	0tu08527
## CSI001	0	0	0	0.000000e+00	0	0	0
## CSI012	0	0	0	1.724971e-05	0	0	0
## CSI022	0	0	0	0.000000e+00	0	0	0
## CSI044	0	0	0	0.000000e+00	0	0	0
## CSI055	0	0	0	0.000000e+00	0	0	0
## CSI065	0	0	0	0.000000e+00	0	0	0
## CSI076	0	0	0	0.000000e+00	0	0	0
##	0tu08528	0tu08529	0tu08530	0tu08531	0tu08532	0tu08533	0tu08534
## CSI001	0	0.00000e+00	0	0	0	0	0
## CSI012	0	0.00000e+00	0	0	0	0	0
## CSI022	0	0.00000e+00	0	0	0	0	0
## CSI044	0	1.97157e-05	0	0	0	0	0
## CSI055	0	0.00000e+00	0	0	0	0	0
## CSI065	0	0.00000e+00	0	0	0	0	0
## CSI076	0	0.00000e+00	0	0	0	0	0
##	0tu08535	0tu08536	0tu08537	0tu08538	0tu08539	0tu08540	0tu08541
## CSI001	0	0	0	0	0	0	0
## CSI012	0	0	0	0	0	0	0
## CSI022	0	0	0	0	0	0	0
## CSI044	0	0	0	0	0	0	0
## CSI055	0	0	0	0	0	0	0
## CSI065	0	0	0	0	0	0	0
## CSI076	0	0	0	0	0	0	0
##	0tu08542	0tu08543	0tu08544	0tu08545	0tu08546	0tu08547	0tu08548
## CSI001	0	0	0	0	0	0	0
## CSI012	0	0	0	0	0	0	0
## CSI022	0	0	0	0	0	0	0
## CSI044	0	0	0	0	0	0	0
## CSI055	0	0	0	0	0	0	0
## CSI065	0	0	0	0	0	0	0
## CSI076	0	0	0	0	0	0	0
##	0tu08549	0tu08550	0tu08551	0tu08552	0tu08553	0tu08554	
## CSI001	0	0	9.381303e-05	0.000000e+00	7.035977e-05	0	
## CSI012	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
## CSI022	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
## CSI044	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0	

##	CSI055	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0
##	CSI065	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0
##	CSI076	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0
##	0tu08555	0tu08556	0tu08557	0tu08558	0tu08559	0tu08560	0tu08561
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##	0tu08562	0tu08563	0tu08564	0tu08565	0tu08566	0tu08567	0tu08568
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##	0tu08569	0tu08570	0tu08571	0tu08572	0tu08573	0tu08574	0tu08575
##	CSI001	0	0	0	0	0	0.00000e+00
##	CSI012	0	0	0	0	0	0.00000e+00
##	CSI022	0	0	0	0	0	0.00000e+00
##	CSI044	0	0	0	0	0	0.00000e+00
##	CSI055	0	0	0	0	0	6.45425e-05
##	CSI065	0	0	0	0	0	0.00000e+00
##	CSI076	0	0	0	0	0	0.00000e+00
##	0tu08576	0tu08577	0tu08578	0tu08579	0tu08580	0tu08581	0tu08582
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##	0tu08583	0tu08584	0tu08585	0tu08586	0tu08587	0tu08588	0tu08589
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##	0tu08590	0tu08591	0tu08592	0tu08593	0tu08594	0tu08595	0tu08596
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##	0tu08597	0tu08598	0tu08599	0tu08600	0tu08601	0tu08602	0tu08603
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	5.174912e-05	0

##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##	0tu08604	0tu08605	0tu08606	0tu08607	0tu08608	0tu08609		
##	CSI001	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI012	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI022	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI055	0	2.151417e-05	0	0	0	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI076	0	0.000000e+00	0	0	0	0.000000e+00	
##	0tu08610	0tu08611	0tu08612	0tu08613	0tu08614	0tu08615	0tu08616	
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##	0tu08617	0tu08618	0tu08619	0tu08620	0tu08621	0tu08622	0tu08623	
##	CSI001	0	0	0	0	0	2.345326e-05	
##	CSI012	0	0	0	0	0	0.000000e+00	
##	CSI022	0	0	0	0	0	0.000000e+00	
##	CSI044	0	0	0	0	0	0.000000e+00	
##	CSI055	0	0	0	0	0	0.000000e+00	
##	CSI065	0	0	0	0	0	0.000000e+00	
##	CSI076	0	0	0	0	0	0.000000e+00	
##	0tu08624	0tu08625	0tu08626	0tu08627	0tu08628	0tu08629	0tu08630	
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##	0tu08631	0tu08632	0tu08633	0tu08634	0tu08635	0tu08636	0tu08637	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	0tu08638	0tu08639	0tu08640	0tu08641	0tu08642	0tu08643	0tu08644	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	0tu08645	0tu08646	0tu08647	0tu08648	0tu08649	0tu08650	0tu08651	

##	CSI001	0	0 0.000000e+00	0	0	0	0
##	CSI012	0	0 0.000000e+00	0	0	0	0
##	CSI022	0	0 0.000000e+00	0	0	0	0
##	CSI044	0	0 0.000000e+00	0	0	0	0
##	CSI055	0	0 0.000000e+00	0	0	0	0
##	CSI065	0	0 0.000000e+00	0	0	0	0
##	CSI076	0	0 0.000000e+00	0	0	0	0
##		0tu08652	0tu08653	0tu08654	0tu08655	0tu08656	
##	CSI001	0.000000e+00	0.00000e+00	0 0.000000e+00	0		
##	CSI012	0.000000e+00	0.00000e+00	0 0.000000e+00	0		
##	CSI022	0.000000e+00	0.00000e+00	0 0.000000e+00	0		
##	CSI044	0.000000e+00	7.88628e-05	0 0.000000e+00	0		
##	CSI055	0.000000e+00	0.00000e+00	0 0.000000e+00	0		
##	CSI065	0.000000e+00	0.00000e+00	0 0.000000e+00	0		
##	CSI076	0.000000e+00	0.00000e+00	0 0.000000e+00	0		
##		0tu08657	0tu08658	0tu08659	0tu08660	0tu08661	0tu08662
##	CSI001	0.000000e+00	0	0	0 0.000000e+00	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0 0.000000e+00	0.000000e+00	
##	CSI022	0.000000e+00	0	0	0 0.000000e+00	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0 0.000000e+00	0.000000e+00	
##	CSI055	0.000000e+00	0	0	0 0.000000e+00	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0 0.000000e+00	0.000000e+00	
##	CSI076	0.000000e+00	0	0	0 0.000000e+00	0.000000e+00	
##		0tu08663	0tu08664	0tu08665	0tu08666	0tu08667	0tu08668
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	4.302833e-05	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	5.781349e-05	0	0	0	0	0
##		0tu08670	0tu08671	0tu08672	0tu08673	0tu08674	0tu08675
##	CSI001	0	0 0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI012	0	0 0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI022	0	0 0.000000e+00	0	4.303111e-05	0.000000e+00	
##	CSI044	0	0 0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0 2.151417e-05	0	0.000000e+00	0.000000e+00	
##	CSI065	0	0 0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0 0.000000e+00	0	0.000000e+00	2.890675e-05	
##		0tu08676	0tu08677	0tu08678	0tu08679	0tu08680	0tu08681
##	CSI001	0	0	0 2.345326e-05	0.000000e+00	0	
##	CSI012	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI022	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI044	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI055	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI065	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI076	0	0	0 0.000000e+00	0.000000e+00	0	
##		0tu08682	0tu08683	0tu08684	0tu08685	0tu08686	0tu08687
##	CSI001	0	0 0.00000e+00	0	0 0.000000e+00		
##	CSI012	0	0 0.00000e+00	0	0 0.000000e+00		
##	CSI022	0	0 0.00000e+00	0	0 0.000000e+00		
##	CSI044	0	0 7.88628e-05	0	0 0.000000e+00		
##	CSI055	0	0 0.00000e+00	0	0 0.000000e+00		
##	CSI065	0	0 0.00000e+00	0	0 0.000000e+00		

##	CSI076	0	0	0.00000e+00	0	0	0.000000e+00	
##		0tu08688	0tu08689	0tu08690	0tu08691	0tu08692		
##	CSI001	0	0	0.000000e+00	4.690652e-05	2.345326e-05		
##	CSI012	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI022	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI044	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI055	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI065	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI076	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##		0tu08693	0tu08694	0tu08695	0tu08696	0tu08697	0tu08698	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu08699	0tu08700	0tu08701	0tu08702	0tu08703	0tu08704	
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI012	0	0.000000e+00	6.899883e-05	0	0	3.449941e-05	
##	CSI022	0	2.151556e-05	0.000000e+00	0	0	0.000000e+00	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI055	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##		0tu08705	0tu08706	0tu08707	0tu08708	0tu08709	0tu08710	0tu08711
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	4.303111e-05	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu08712	0tu08713	0tu08714	0tu08715	0tu08716	0tu08717	0tu08718
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	2.151417e-05	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu08719	0tu08720	0tu08721	0tu08722	0tu08723	0tu08724	0tu08725
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu08726	0tu08727	0tu08728	0tu08729	0tu08730	0tu08731	
##	CSI001	0	2.345326e-05	0.000000e+00	0.000000e+00	0	0	
##	CSI012	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI022	0	0.000000e+00	0.000000e+00	2.151556e-05	0	0	
##	CSI044	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	

##	CSI055	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI065	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI076	0	2.890675e-05	5.781349e-05	0.000000e+00	0	0
##		0tu08732	0tu08733	0tu08734	0tu08735	0tu08736	0tu08737 0tu08738
##	CSI001	0	0	0	0	0	0.000000e+00 0
##	CSI012	0	0	0	0	0	0.000000e+00 0
##	CSI022	0	0	0	0	0	0.000000e+00 0
##	CSI044	0	0	0	0	0	0.000000e+00 0
##	CSI055	0	0	0	0	0	0.000000e+00 0
##	CSI065	0	0	0	0	0	0.000000e+00 0
##	CSI076	0	0	0	0	0	0.000000e+00 0
##		0tu08739	0tu08740	0tu08741	0tu08742	0tu08743	0tu08744 0tu08745
##	CSI001	0	0	0	0	0	0 0
##	CSI012	0	0	0	0	0	0 0
##	CSI022	0	0	0	0	0	0 0
##	CSI044	0	0	0	0	0	0 0
##	CSI055	0	0	0	0	0	0 0
##	CSI065	0	0	0	0	0	0 0
##	CSI076	0	0	0	0	0	0 0
##		0tu08746	0tu08747	0tu08748	0tu08749	0tu08750	0tu08751
##	CSI001	0	0	0	0	0	2.345326e-05
##	CSI012	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	2.151556e-05
##	CSI044	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0.000000e+00
##		0tu08752	0tu08753	0tu08754	0tu08755	0tu08756	0tu08757
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI022	2.151556e-05	0	0.000000e+00	0	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI055	0.000000e+00	0	2.151417e-05	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu08758	0tu08759	0tu08760	0tu08761	0tu08762	0tu08763
##	CSI001	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI012	0	0	0.000000e+00	1.724971e-05	0	0
##	CSI022	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI055	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu08764	0tu08765	0tu08766	0tu08767	0tu08768	0tu08769
##	CSI001	0	0.000000e+00	0	2.345326e-05	0	0
##	CSI012	0	1.724971e-05	0	0.000000e+00	0	0
##	CSI022	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0
##		0tu08770	0tu08771	0tu08772	0tu08773	0tu08774	0tu08775 0tu08776
##	CSI001	0	0	0.000000e+00	0	0	0 0
##	CSI012	0	0	0.000000e+00	0	0	0 0

##	CSI022	0	0	2.151556e-05	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu08777	0tu08778	0tu08779	0tu08780	0tu08781	0tu08782	0tu08783
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	4.302833e-05	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu08784	0tu08785	0tu08786	0tu08787	0tu08788	0tu08789	0tu08790
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	1.97157e-05	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu08791	0tu08792	0tu08793	0tu08794	0tu08795	0tu08796	0tu08797
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	3.449941e-05
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu08798	0tu08799	0tu08800	0tu08801	0tu08802	0tu08803	0tu08804
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08805	0tu08806	0tu08807	0tu08808	0tu08809	0tu08810	
##	CSI001	2.345326e-05	0	0	0	0.000000e+00	0	0
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	0	0	0	6.45425e-05	0	0
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0	0
##		0tu08811	0tu08812	0tu08813	0tu08814	0tu08815	0tu08816	
##	CSI001	0	0	0	0	0	4.690652e-05	
##	CSI012	0	0	0	0	0	0.000000e+00	
##	CSI022	0	0	0	0	0	0.000000e+00	
##	CSI044	0	0	0	0	0	0.000000e+00	
##	CSI055	0	0	0	0	0	0.000000e+00	
##	CSI065	0	0	0	0	0	0.000000e+00	
##	CSI076	0	0	0	0	0	0.000000e+00	
##		0tu08817	0tu08818	0tu08819	0tu08820	0tu08821	0tu08822	

##	CSI001	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	3.449941e-05	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##		0tu08823	0tu08824	0tu08825	0tu08826	0tu08827	0tu08828	0tu08829
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu08830	0tu08831	0tu08832	0tu08833	0tu08834	0tu08835	0tu08836
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu08837	0tu08838	0tu08839	0tu08840	0tu08841	0tu08842	0tu08843
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08844	0tu08845	0tu08846	0tu08847	0tu08848	0tu08849	0tu08850
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08851	0tu08852	0tu08853	0tu08854	0tu08855	0tu08856	0tu08857
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08858	0tu08859	0tu08860	0tu08861	0tu08862	0tu08863	0tu08864
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		0tu08865	0tu08866	0tu08867	0tu08868	0tu08869	0tu08870	
##	CSI001	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	0	
##		0tu08871	0tu08872	0tu08873	0tu08874	0tu08875	0tu08876	0tu08877
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu08878	0tu08879	0tu08880	0tu08881	0tu08882	0tu08883	0tu08884
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08885	0tu08886	0tu08887	0tu08888	0tu08889	0tu08890	0tu08891
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu08892	0tu08893	0tu08894	0tu08895	0tu08896	0tu08897	
##	CSI001	0	0	4.690652e-05	0	0	0	
##	CSI012	0	0	1.724971e-05	0	0	0	
##	CSI022	0	0	0.000000e+00	0	0	0	
##	CSI044	0	0	0.000000e+00	0	0	0	
##	CSI055	0	0	0.000000e+00	0	0	0	
##	CSI065	0	0	0.000000e+00	0	0	0	
##	CSI076	0	0	0.000000e+00	0	0	0	
##		0tu08898	0tu08899	0tu08900	0tu08901	0tu08902	0tu08903	
##	CSI001	0.000000e+00	0	0	0	0	0.000000000	
##	CSI012	1.724971e-05	0	0	0	0	0.000000000	
##	CSI022	0.000000e+00	0	0	0	0	0.000000000	
##	CSI044	0.000000e+00	0	0	0	0	0.000000000	
##	CSI055	0.000000e+00	0	0	0	0	0.000000000	
##	CSI065	0.000000e+00	0	0	0	0	0.000000000	
##	CSI076	0.000000e+00	0	0	0	0	0.000115627	
##		0tu08904	0tu08905	0tu08906	0tu08907	0tu08908	0tu08909	
##	CSI001	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI012	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI022	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	

##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0	2.890675e-05	0	0	0.000000e+00	0.000000e+00	
##		0tu08910	0tu08911	0tu08912	0tu08913	0tu08914	0tu08915	0tu08916
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08917	0tu08918	0tu08919	0tu08920	0tu08921	0tu08922	0tu08923
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	2.151556e-05
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu08924	0tu08925	0tu08926	0tu08927	0tu08928	0tu08929	0tu08930
##	CSI001	0	0	0	0	0	0	0.0000000000
##	CSI012	0	0	0	0	0	0	0.0000000000
##	CSI022	0	0	0	0	0	0	0.0000000000
##	CSI044	0	0	0	0	0	0	0.0000000000
##	CSI055	0	0	0	0	0	0	0.0000000000
##	CSI065	0	0	0	0	0	0	0.0000000000
##	CSI076	0	0	0	0	0	0	0.0000000000
##		0tu08931	0tu08932	0tu08933	0tu08934	0tu08935	0tu08936	0tu08937
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08938	0tu08939	0tu08940	0tu08941	0tu08942	0tu08943	0tu08944
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08945	0tu08946	0tu08947	0tu08948	0tu08949	0tu08950	0tu08951
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08952	0tu08953	0tu08954	0tu08955	0tu08956	0tu08957	0tu08958
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08959	0tu08960	0tu08961	0tu08962	0tu08963	0tu08964	0tu08965
##	CSI001	0	0	0	0	0	0	2.345326e-05
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu08966	0tu08967	0tu08968	0tu08969	0tu08970	0tu08971	0tu08972
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu08973	0tu08974	0tu08975	0tu08976	0tu08977	0tu08978	0tu08979
##	CSI001	0	0	0	0	2.345326e-05	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu08980	0tu08981	0tu08982	0tu08983	0tu08984	0tu08985	
##	CSI001	0.000000e+00	2.345326e-05	0.000000e+00	0	0	0	0
##	CSI012	1.724971e-05	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu08986	0tu08987	0tu08988	0tu08989	0tu08990	0tu08991	
##	CSI001	2.345326e-05	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu08992	0tu08993	0tu08994	0tu08995	0tu08996	0tu08997	
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu08998	0tu08999	0tu09000	0tu09001	0tu09002	0tu09003	0tu09004

##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu09005	0tu09006	0tu09007	0tu09008	0tu09009	0tu09010	0tu09011
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	5.91471e-05	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu09012	0tu09013	0tu09014	0tu09015	0tu09016		0tu09017
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI012	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI055	0	2.151417e-05	0.000000e+00	0	0	0.000000e+00	
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##		0tu09018	0tu09019	0tu09020	0tu09021	0tu09022		0tu09023
##	CSI001	0.000000e+00	0	0.000000e+00	0	0		0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0		0
##	CSI022	0.000000e+00	0	0.000000e+00	0	0		0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0		0
##	CSI055	0.000000e+00	0	2.151417e-05	0	0		0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0		0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0		0
##		0tu09024	0tu09025	0tu09026	0tu09027	0tu09028	0tu09029	0tu09030
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	1.724971e-05
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu09031	0tu09032	0tu09033	0tu09034	0tu09035	0tu09036	
##	CSI001	0	0	0	0.000000e+00	0	0	
##	CSI012	0	0	0	0.000000e+00	0	0	
##	CSI022	0	0	0	0.000000e+00	0	0	
##	CSI044	0	0	0	0.000000e+00	0	0	
##	CSI055	0	0	0	0.000000e+00	0	0	
##	CSI065	0	0	0	0.000000e+00	0	0	
##	CSI076	0	0	0	0.000000e+00	0	0	
##		0tu09037	0tu09038	0tu09039	0tu09040	0tu09041	0tu09042	
##	CSI001	0.000000e+00	7.035977e-05	0	0	0	0	
##	CSI012	1.724971e-05	0.000000e+00	0	0	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0	

##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu09043	0tu09044	0tu09045	0tu09046	0tu09047	0tu09048
##	CSI001	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI065	0	0	0	0.000000e+00	7.56401e-05	0
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu09049	0tu09050	0tu09051	0tu09052	0tu09053	0tu09054
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu09056	0tu09057	0tu09058	0tu09059	0tu09060	0tu09061
##	CSI001	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI012	0	0.000000e+00	0	0	0.000000e+00	1.724971e-05
##	CSI022	0	4.303111e-05	0	0	0.000000e+00	4.303111e-05
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI065	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI076	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##		0tu09062	0tu09063	0tu09064	0tu09065	0tu09066	0tu09067
##	CSI001	2.345326e-05	2.345326e-05	0	0.000000e+00	0	0
##	CSI012	1.724971e-05	0.000000e+00	0	0.000000e+00	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	1.97157e-05	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##		0tu09068	0tu09069	0tu09070	0tu09071	0tu09072	0tu09073
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI012	3.449941e-05	0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu09074	0tu09075	0tu09076	0tu09077	0tu09078	0tu09079
##	CSI001	0	0.000000e+00	0	0	0	2.345326e-05
##	CSI012	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI022	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI055	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI076	0	0.000000e+00	0	0	0	0.000000e+00
##		0tu09080	0tu09081	0tu09082	0tu09083	0tu09084	0tu09085
##	CSI001	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0.000000e+00

```

## CSI055      0      0      0      0      0 0.000000e+00
## CSI065      0      0      0      0      0 0.000000e+00
## CSI076      0      0      0      0      0 0.000000e+00
##      0tu09086      0tu09087 0tu09088 0tu09089 0tu09090 0tu09091
## CSI001 2.345326e-05 0.000000e+00      0      0      0      0
## CSI012 1.724971e-05 0.000000e+00      0      0      0      0
## CSI022 0.000000e+00 0.000000e+00      0      0      0      0
## CSI044 0.000000e+00 0.000000e+00      0      0      0      0
## CSI055 0.000000e+00 0.000000e+00      0      0      0      0
## CSI065 0.000000e+00 0.000000e+00      0      0      0      0
## CSI076 0.000000e+00 0.000000e+00      0      0      0      0
##      0tu09092 0tu09093 0tu09094 0tu09095 0tu09096 0tu09097      0tu09098
## CSI001      0      0      0      0      0      0 0.000000000000
## CSI012      0      0      0      0      0      0 0.000000000000
## CSI022      0      0      0      0      0      0 0.000000000000
## CSI044      0      0      0      0      0      0 0.000000000000
## CSI055      0      0      0      0      0      0 0.000000000000
## CSI065      0      0      0      0      0      0 0.000000000000
## CSI076      0      0      0      0      0      0 0.000000000000
##      0tu09099      0tu09100 0tu09101 0tu09102      0tu09103 0tu09104
## CSI001      0 2.345326e-05      0      0 2.345326e-05      0
## CSI012      0 0.000000e+00      0      0 1.724971e-05      0
## CSI022      0 0.000000e+00      0      0 0.000000e+00      0
## CSI044      0 0.000000e+00      0      0 0.000000e+00      0
## CSI055      0 0.000000e+00      0      0 0.000000e+00      0
## CSI065      0 0.000000e+00      0      0 0.000000e+00      0
## CSI076      0 0.000000e+00      0      0 0.000000e+00      0
##      0tu09105 0tu09106 0tu09107 0tu09108 0tu09109 0tu09110 0tu09111
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu09112 0tu09113 0tu09114 0tu09115 0tu09116 0tu09117 0tu09118
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu09119 0tu09120 0tu09121 0tu09122 0tu09123 0tu09124      0tu09125
## CSI001      0      0      0      0      0      0 0.000000e+00
## CSI012      0      0      0      0      0      0 0.000000e+00
## CSI022      0      0      0      0      0      0 0.000000e+00
## CSI044      0      0      0      0      0      0 0.000000e+00
## CSI055      0      0      0      0      0      0 0.000000e+00
## CSI065      0      0      0      0      0      0 0.000000e+00
## CSI076      0      0      0      0      0      0 0.000000e+00
##      0tu09126 0tu09127 0tu09128 0tu09129 0tu09130 0tu09131
## CSI001 0.000000000000      0      0      0      0      0
## CSI012 0.000000000000      0      0      0      0      0

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##	CSI022	0.0000000000	0	0	0	0	0
##	CSI044	0.0000000000	0	0	0	0	0
##	CSI055	0.0000000000	0	0	0	0	0
##	CSI065	0.0000000000	0	0	0	0	0
##	CSI076	0.0000000000	0	0	0	0	0
##		0tu09132	0tu09133	0tu09134	0tu09135	0tu09136	0tu09137 0tu09138
##	CSI001	0.000000e+00	0	0	0	0	0 0
##	CSI012	0.000000e+00	0	0	0	0	0 0
##	CSI022	0.000000e+00	0	0	0	0	0 0
##	CSI044	0.000000e+00	0	0	0	0	0 0
##	CSI055	0.000000e+00	0	0	0	0	0 0
##	CSI065	0.000000e+00	0	0	0	0	0 0
##	CSI076	0.000000e+00	0	0	0	0	0 0
##		0tu09139	0tu09140	0tu09141	0tu09142	0tu09143	0tu09144 0tu09145
##	CSI001	0	0	0	0	0	0 0
##	CSI012	0	0	0	0	0	0 0
##	CSI022	0	0	0	0	0	0 0
##	CSI044	0	0	0	0	0	0 0
##	CSI055	0	0	0	0	0	0 0
##	CSI065	0	0	0	0	0	0 0
##	CSI076	0	0	0	0	0	0 0
##		0tu09146	0tu09147	0tu09148	0tu09149	0tu09150	0tu09151 0tu09152
##	CSI001	0	0	0	0	0	0 0
##	CSI012	0	0	0	0	0	0 0
##	CSI022	0	0	0	0	0	0 0
##	CSI044	0	0	0	0	0	0 0
##	CSI055	0	0	0	0	0	0 0
##	CSI065	0	0	0	0	0	0 0
##	CSI076	0	0	0	0	0	0 0
##		0tu09153	0tu09154	0tu09155	0tu09156	0tu09157	0tu09158
##	CSI001	0	0	0.000000e+00	0	0	0 0.000000e+00
##	CSI012	0	0	0.000000e+00	0	0	0 0.000000e+00
##	CSI022	0	0	6.454667e-05	0	0	0 0.000000e+00
##	CSI044	0	0	0.000000e+00	0	0	0 0.000000e+00
##	CSI055	0	0	0.000000e+00	0	0	0 0.000000e+00
##	CSI065	0	0	0.000000e+00	0	0	0 0.000000e+00
##	CSI076	0	0	0.000000e+00	0	0	0 2.890675e-05
##		0tu09159	0tu09160	0tu09161	0tu09162	0tu09163	0tu09164 0tu09165
##	CSI001	0	0	0	0	0	0 0.00000e+00 0
##	CSI012	0	0	0	0	0	0 0.00000e+00 0
##	CSI022	0	0	0	0	0	0 0.00000e+00 0
##	CSI044	0	0	0	0	0	0 7.88628e-05 0
##	CSI055	0	0	0	0	0	0 0.00000e+00 0
##	CSI065	0	0	0	0	0	0 0.00000e+00 0
##	CSI076	0	0	0	0	0	0 0.00000e+00 0
##		0tu09166	0tu09167	0tu09168	0tu09169	0tu09170	0tu09171 0tu09172
##	CSI001	0	0	0	0	0	0 0 0
##	CSI012	0	0	0	0	0	0 0 0
##	CSI022	0	0	0	0	0	0 0 0
##	CSI044	0	0	0	0	0	0 0 0
##	CSI055	0	0	0	0	0	0 0 0
##	CSI065	0	0	0	0	0	0 0 0
##	CSI076	0	0	0	0	0	0 0 0
##		0tu09173	0tu09174	0tu09175	0tu09176	0tu09177	0tu09178

##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI012	1.724971e-05	0	0	0.000000e+00	0	0	
##	CSI022	2.151556e-05	0	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0	2.151417e-05	0	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0	
##		0tu09179	0tu09180	0tu09181	0tu09182	0tu09183	0tu09184	0tu09185
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09186	0tu09187	0tu09188	0tu09189	0tu09190	0tu09191	0tu09192
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09193	0tu09194	0tu09195	0tu09196	0tu09197	0tu09198	0tu09199
##	CSI001	0	0	0	0	0	0	2.345326e-05
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu09200	0tu09201	0tu09202	0tu09203	0tu09204	0tu09205	0tu09206
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09207	0tu09208	0tu09209	0tu09210	0tu09211	0tu09212	0tu09213
##	CSI001	0	0	0.00000e+00	0	0	0	0
##	CSI012	0	0	0.00000e+00	0	0	0	0
##	CSI022	0	0	0.00000e+00	0	0	0	0
##	CSI044	0	0	1.97157e-05	0	0	0	0
##	CSI055	0	0	0.00000e+00	0	0	0	0
##	CSI065	0	0	0.00000e+00	0	0	0	0
##	CSI076	0	0	0.00000e+00	0	0	0	0
##		0tu09214	0tu09215	0tu09216	0tu09217	0tu09218	0tu09219	
##	CSI001	0	0	0	0	0	0.000000e+00	
##	CSI012	0	0	0	0	0	0.000000e+00	
##	CSI022	0	0	0	0	0	2.151556e-05	
##	CSI044	0	0	0	0	0	0.000000e+00	
##	CSI055	0	0	0	0	0	0.000000e+00	
##	CSI065	0	0	0	0	0	0.000000e+00	

##	CSI076	0	0	0	0	0	0.000000e+00
##		0tu09220	0tu09221	0tu09222	0tu09223	0tu09224	0tu09225 0tu09226
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	1.724971e-05	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	3.943140e-05	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		0tu09227	0tu09228	0tu09229	0tu09230	0tu09231	
##	CSI001	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI012	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI022	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	1.971570e-05	
##	CSI055	0.000000e+00	0.000000e+00	0.000000e+00	0	2.151417e-05	
##	CSI065	3.782005e-05	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00	
##		0tu09232	0tu09233	0tu09234	0tu09235	0tu09236	0tu09237 0tu09238
##	CSI001	0	7.035977e-05	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##		0tu09239	0tu09240	0tu09241	0tu09242	0tu09243	0tu09244 0tu09245
##	CSI001	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	8.672024e-05	0	0	0
##		0tu09246	0tu09247	0tu09248	0tu09249	0tu09250	0tu09251
##	CSI001	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI012	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI022	0	0	0.000000e+00	4.303111e-05	0	0
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI055	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI065	0	0	3.782005e-05	0.000000e+00	0	0
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu09252	0tu09253	0tu09254	0tu09255	0tu09256	0tu09257 0tu09258
##	CSI001	0	0	0	0	0	0 0.000000e+00
##	CSI012	0	0	0	0	0	0 0.000000e+00
##	CSI022	0	0	0	0	0	0 2.151556e-05
##	CSI044	0	0	0	0	0	0 0.000000e+00
##	CSI055	0	0	0	0	0	0 0.000000e+00
##	CSI065	0	0	0	0	0	0 0.000000e+00
##	CSI076	0	0	0	0	0	0 0.000000e+00
##		0tu09259	0tu09260	0tu09261	0tu09262	0tu09263	0tu09264 0tu09265
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09266	0tu09267	0tu09268	0tu09269	0tu09270	0tu09271	
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0	1.724971e-05	
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0	8.605667e-05	0	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00	
##		0tu09272	0tu09273	0tu09274	0tu09275	0tu09276		
##	CSI001	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI012	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI022	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI044	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI055	0	0.000000e+00	0	0.000000e+00	2.151417e-05		
##	CSI065	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI076	0	5.781349e-05	0	0.000000e+00	0.000000e+00		
##		0tu09277	0tu09278	0tu09279	0tu09280	0tu09281	0tu09282	0tu09283
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	7.88628e-05	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu09284	0tu09285	0tu09286	0tu09287	0tu09288	0tu09289	
##	CSI001	0	0	0	0	0.000000e+00	0	
##	CSI012	0	0	0	0	0.000000e+00	0	
##	CSI022	0	0	0	0	0.000000e+00	0	
##	CSI044	0	0	0	0	0.000000e+00	0	
##	CSI055	0	0	0	0	0.000000e+00	0	
##	CSI065	0	0	0	0	0.000000e+00	0	
##	CSI076	0	0	0	0	0.000000e+00	0	
##		0tu09290	0tu09291	0tu09292	0tu09293	0tu09294	0tu09295	
##	CSI001	2.345326e-05	0	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	0	1.724971e-05	0	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	2.151417e-05	0	0.000000e+00	0	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu09296	0tu09297	0tu09298	0tu09299	0tu09300	0tu09301	0tu09302
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09303	0tu09304	0tu09305	0tu09306	0tu09307	0tu09308	0tu09309
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	0tu09310	0tu09311	0tu09312	0tu09313	0tu09314	0tu09315		
##	CSI001	0	0	0	2.345326e-05	0	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0	1.97157e-05	
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00	
##	0tu09316	0tu09317	0tu09318	0tu09319	0tu09320	0tu09321		
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI065	0	0	0	3.782005e-05	0	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00	
##	0tu09322	0tu09323	0tu09324	0tu09325	0tu09326	0tu09327		
##	CSI001	0	0.000000e+00	0	0	2.345326e-05	0	
##	CSI012	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI022	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI044	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI055	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI065	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI076	0	8.672024e-05	0	0	0.000000e+00	0	
##	0tu09328	0tu09329	0tu09330	0tu09331	0tu09332	0tu09333	0tu09334	
##	CSI001	0	0	0	0	0.000000e+00	0	
##	CSI012	0	0	0	0	0.000000e+00	0	
##	CSI022	0	0	0	0	0.000000e+00	0	
##	CSI044	0	0	0	0	0.000000e+00	0	
##	CSI055	0	0	0	0	0.000000e+00	0	
##	CSI065	0	0	0	0	0.000000e+00	0	
##	CSI076	0	0	0	0	0.000000e+00	0	
##	0tu09335	0tu09336	0tu09337	0tu09338	0tu09339	0tu09340	0tu09341	
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	6.45425e-05	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	0tu09342	0tu09343	0tu09344	0tu09345	0tu09346	0tu09347	0tu09348	
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	2.151556e-05	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##	0tu09349	0tu09350	0tu09351	0tu09352	0tu09353	0tu09354		

##	CSI001	0	0	0	0.000000e+00	0.000000e+00	2.345326e-05	
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu09355	0tu09356	0tu09357	0tu09358	0tu09359	0tu09360	0tu09361
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09362	0tu09363	0tu09364	0tu09365	0tu09366	0tu09367	0tu09368
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09369	0tu09370	0tu09371	0tu09372	0tu09373	0tu09374	
##	CSI001	0	0.000000e+00	0.00000e+00	0.000000e+00	0	0	
##	CSI012	0	0.000000e+00	0.00000e+00	0.000000e+00	0	0	
##	CSI022	0	0.000000e+00	0.00000e+00	0.000000e+00	0	0	
##	CSI044	0	3.943140e-05	0.00000e+00	0.000000e+00	0	0	
##	CSI055	0	0.000000e+00	0.00000e+00	0.000000e+00	0	0	
##	CSI065	0	3.782005e-05	0.00000e+00	0.000000e+00	0	0	
##	CSI076	0	0.000000e+00	0.00000e+00	0.000000e+00	0	0	
##		0tu09375	0tu09376	0tu09377	0tu09378	0tu09379	0tu09380	0tu09381
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09382	0tu09383	0tu09384	0tu09385	0tu09386	0tu09387	0tu09388
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	6.454667e-05	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu09389	0tu09390	0tu09391	0tu09392	0tu09393	0tu09394	0tu09395
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		0tu09396	0tu09397	0tu09398	0tu09399	0tu09400	0tu09401	0tu09402
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09403	0tu09404	0tu09405	0tu09406	0tu09407	0tu09408	0tu09409
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09410	0tu09411	0tu09412	0tu09413	0tu09414	0tu09415	0tu09416
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09417	0tu09418	0tu09419	0tu09420	0tu09421	0tu09422	
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu09423	0tu09424	0tu09425	0tu09426	0tu09427	0tu09428	
##	CSI001	0.0000000000	0	0.00000e+00	0	0.0000000000	0	0
##	CSI012	0.0000000000	0	0.00000e+00	0	0.0000000000	0	0
##	CSI022	0.0000000000	0	0.00000e+00	0	0.0000000000	0	0
##	CSI044	0.0000000000	0	0.00000e+00	0	0.0000000000	0	0
##	CSI055	0.0000000000	0	6.45425e-05	0	0.0000000000	0	0
##	CSI065	0.0001134602	0	0.00000e+00	0	0.0001134602	0	0
##	CSI076	0.0000000000	0	0.00000e+00	0	0.0000000000	0	0
##		0tu09429	0tu09430	0tu09431	0tu09432	0tu09433	0tu09434	0tu09435
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09436	0tu09437	0tu09438	0tu09439	0tu09440	0tu09441	0tu09442
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	3.449941e-05	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0

##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##	0tu09443	0tu09444	0tu09445	0tu09446	0tu09447	0tu09448		
##	CSI001	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI012	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI022	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI055	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI076	0	0.000000e+00	0	0	0	0.000000e+00	
##	0tu09449	0tu09450	0tu09451	0tu09452	0tu09453	0tu09454	0tu09455	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	0tu09456	0tu09457	0tu09458	0tu09459	0tu09460	0tu09461	0tu09462	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	0tu09463	0tu09464	0tu09465	0tu09466	0tu09467	0tu09468	0tu09469	
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##	0tu09470	0tu09471	0tu09472	0tu09473	0tu09474	0tu09475	0tu09476	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	0tu09477	0tu09478	0tu09479	0tu09480	0tu09481	0tu09482	0tu09483	
##	CSI001	0	0	0	0.00000e+00	0	0	0
##	CSI012	0	0	0	0.00000e+00	0	0	0
##	CSI022	0	0	0	0.00000e+00	0	0	0
##	CSI044	0	0	0	0.00000e+00	0	0	0
##	CSI055	0	0	0	6.45425e-05	0	0	0
##	CSI065	0	0	0	0.00000e+00	0	0	0
##	CSI076	0	0	0	0.00000e+00	0	0	0
##	0tu09484	0tu09485	0tu09486	0tu09487	0tu09488	0tu09489	0tu09490	
##	CSI001	0	0	0	4.690652e-05	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0

##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##	0tu09491	0tu09492	0tu09493	0tu09494	0tu09495	0tu09496	0tu09497	
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	4.302833e-05	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	0tu09498	0tu09499	0tu09500	0tu09501	0tu09502	0tu09503	0tu09504	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	0tu09505	0tu09506	0tu09507	0tu09508	0tu09509	0tu09510		
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	1.724971e-05	0	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0	0
##	0tu09511	0tu09512	0tu09513	0tu09514	0tu09515	0tu09516		
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI012	0.000000e+00	0	0	0	1.724971e-05	0	0
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0	0
##	0tu09517	0tu09518	0tu09519	0tu09520	0tu09521	0tu09522	0tu09523	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	0tu09524	0tu09525	0tu09526	0tu09527	0tu09528	0tu09529		
##	CSI001	0.000000e+00	0	0	0	0	0.000000e+00	0
##	CSI012	0.000000e+00	0	0	0	0	0.000000e+00	0
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00	0
##	CSI055	6.45425e-05	0	0	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00	0
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00	0
##	0tu09530	0tu09531	0tu09532	0tu09533	0tu09534	0tu09535	0tu09536	

##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09537	0tu09538	0tu09539	0tu09540	0tu09541	0tu09542	0tu09543
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09544	0tu09545	0tu09546	0tu09547	0tu09548	0tu09549	0tu09550
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	3.782005e-05	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu09551	0tu09552	0tu09553	0tu09554	0tu09555	0tu09556	0tu09557
##	CSI001	0	0	0	0.00000e+00	0	0	0
##	CSI012	0	0	0	0.00000e+00	0	0	0
##	CSI022	0	0	0	0.00000e+00	0	0	0
##	CSI044	0	0	0	0.00000e+00	0	0	0
##	CSI055	0	0	0	6.45425e-05	0	0	0
##	CSI065	0	0	0	0.00000e+00	0	0	0
##	CSI076	0	0	0	0.00000e+00	0	0	0
##		0tu09558	0tu09559	0tu09560	0tu09561	0tu09562	0tu09563	0tu09564
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	3.449941e-05	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu09565	0tu09566	0tu09567	0tu09568	0tu09569	0tu09570	0tu09571
##	CSI001	0	0	0	0	0	0	0.0000000000
##	CSI012	0	0	0	0	0	0	0.0000000000
##	CSI022	0	0	0	0	0	0	0.0000000000
##	CSI044	0	0	0	0	0	0	0.0000000000
##	CSI055	0	0	0	0	0	0	0.0000000000
##	CSI065	0	0	0	0	0	0	0.0001134602
##	CSI076	0	0	0	0	0	0	0.0000000000
##		0tu09572	0tu09573	0tu09574	0tu09575	0tu09576	0tu09577	0tu09578
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0

##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu09579	0tu09580	0tu09581	0tu09582	0tu09583	0tu09584	0tu09585
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09586	0tu09587	0tu09588	0tu09589	0tu09590	0tu09591	0tu09592
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09593	0tu09594	0tu09595	0tu09596	0tu09597	0tu09598	0tu09599
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu09600	0tu09601	0tu09602	0tu09603	0tu09604	0tu09605	
##	CSI001	0.000000e+00	0	0	0	0	0	
##	CSI012	1.724971e-05	0	0	0	0	0	
##	CSI022	0.000000e+00	0	0	0	0	0	
##	CSI044	0.000000e+00	0	0	0	0	0	
##	CSI055	0.000000e+00	0	0	0	0	0	
##	CSI065	0.000000e+00	0	0	0	0	0	
##	CSI076	0.000000e+00	0	0	0	0	0	
##		0tu09606	0tu09607	0tu09608	0tu09609	0tu09610	0tu09611	
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0	0	1.724971e-05	0	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0	
##		0tu09612	0tu09613	0tu09614	0tu09615	0tu09616	0tu09617	0tu09618
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu09619	0tu09620	0tu09621	0tu09622	0tu09623	0tu09624	
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0	2.151556e-05	
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00	

##	CSI055	0	0	0	2.151417e-05	0	0.000000e+00
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00
##		0tu09625	0tu09626	0tu09627	0tu09628	0tu09629	0tu09630 0tu09631
##	CSI001	0	0	0	0	0.000000e+00	0 0
##	CSI012	0	0	0	0	0.000000e+00	0 0
##	CSI022	0	0	0	0	0.000000e+00	0 0
##	CSI044	0	0	0	0	0.000000e+00	0 0
##	CSI055	0	0	0	0	0.000000e+00	0 0
##	CSI065	0	0	0	0	0.000000e+00	0 0
##	CSI076	0	0	0	0	0.000000e+00	0 0
##		0tu09632	0tu09633	0tu09634	0tu09635	0tu09636	0tu09637 0tu09638
##	CSI001	0	0.000000e+00	0	0	0	0 0
##	CSI012	0	0.000000e+00	0	0	0	0 0
##	CSI022	0	0.000000e+00	0	0	0	0 0
##	CSI044	0	0.000000e+00	0	0	0	0 0
##	CSI055	0	0.000000e+00	0	0	0	0 0
##	CSI065	0	0.000000e+00	0	0	0	0 0
##	CSI076	0	0.000000e+00	0	0	0	0 0
##		0tu09639	0tu09640	0tu09641	0tu09642	0tu09643	0tu09644
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	5.174912e-05	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	6.45425e-05	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu09645	0tu09646	0tu09647	0tu09648	0tu09649	0tu09650
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	2.151417e-05	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu09651	0tu09652	0tu09653	0tu09654	0tu09655	0tu09656 0tu09657
##	CSI001	0	0.000000e+00	0	0	0	0 0
##	CSI012	0	0.000000e+00	0	0	0	0 0
##	CSI022	0	0.000000e+00	0	0	0	0 0
##	CSI044	0	0.000000e+00	0	0	0	0 0
##	CSI055	0	0.000000e+00	0	0	0	0 0
##	CSI065	0	0.000000e+00	0	0	0	0 0
##	CSI076	0	0.000000e+00	0	0	0	0 0
##		0tu09658	0tu09659	0tu09660	0tu09661	0tu09662	0tu09663 0tu09664
##	CSI001	0	0	0	0.000000e+00	0	0 0
##	CSI012	0	0	0	0.000000e+00	0	0 0
##	CSI022	0	0	0	0.000000e+00	0	0 0
##	CSI044	0	0	0	0.000000e+00	0	0 0
##	CSI055	0	0	0	0.000000e+00	0	0 0
##	CSI065	0	0	0	0.000000e+00	0	0 0
##	CSI076	0	0	0	0.000000e+00	0	0 0
##		0tu09665	0tu09666	0tu09667	0tu09668	0tu09669	0tu09670
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI012	0	0	0	0.000000e+00	0	0.000000e+00

##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00
##		0tu09671	0tu09672	0tu09673	0tu09674	0tu09675	0tu09676 0tu09677
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu09678	0tu09679	0tu09680	0tu09681	0tu09682	0tu09683 0tu09684
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu09685	0tu09686	0tu09687	0tu09688	0tu09689	0tu09690 0tu09691
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu09692	0tu09693	0tu09694	0tu09695	0tu09696	0tu09697 0tu09698
##	CSI001	0	0	0	0	0	0.00000e+00
##	CSI012	0	0	0	0	0	0.00000e+00
##	CSI022	0	0	0	0	0	0.00000e+00
##	CSI044	0	0	0	0	0	5.91471e-05
##	CSI055	0	0	0	0	0	0.00000e+00
##	CSI065	0	0	0	0	0	0.00000e+00
##	CSI076	0	0	0	0	0	0.00000e+00
##		0tu09699	0tu09700	0tu09701	0tu09702	0tu09703	0tu09704 0tu09705
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu09706	0tu09707	0tu09708	0tu09709	0tu09710	0tu09711 0tu09712
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	1.97157e-05
##	CSI055	0	0	0	0	0	0.00000e+00
##	CSI065	0	0	0	0	0	0.00000e+00
##	CSI076	0	0	0	0	0	0.00000e+00
##		0tu09713	0tu09714	0tu09715	0tu09716	0tu09717	0tu09718 0tu09719

##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	2.151556e-05	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu09720	0tu09721	0tu09722	0tu09723	0tu09724	0tu09725	0tu09726
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09727	0tu09728	0tu09729	0tu09730	0tu09731	0tu09732	0tu09733
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	4.303111e-05	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu09734	0tu09735	0tu09736	0tu09737	0tu09738	0tu09739	0tu09740
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09741	0tu09742	0tu09743	0tu09744	0tu09745	0tu09746	0tu09747
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09748	0tu09749	0tu09750	0tu09751	0tu09752	0tu09753	0tu09754
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09755	0tu09756	0tu09757	0tu09758	0tu09759	0tu09760	0tu09761
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##	0tu09762	0tu09763	0tu09764	0tu09765	0tu09766	0tu09767	0tu09768	
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	0tu09769	0tu09770	0tu09771	0tu09772	0tu09773	0tu09774	0tu09775	
##	CSI001	0	0.00000e+00	0	0	0	0	0
##	CSI012	0	0.00000e+00	0	0	0	0	0
##	CSI022	0	0.00000e+00	0	0	0	0	0
##	CSI044	0	0.00000e+00	0	0	0	0	0
##	CSI055	0	6.45425e-05	0	0	0	0	0
##	CSI065	0	0.00000e+00	0	0	0	0	0
##	CSI076	0	0.00000e+00	0	0	0	0	0
##	0tu09776	0tu09777	0tu09778	0tu09779	0tu09780	0tu09781	0tu09782	
##	CSI001	0	0	2.345326e-05	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##	0tu09783	0tu09784	0tu09785	0tu09786	0tu09787	0tu09788	0tu09789	
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##	0tu09790	0tu09791	0tu09792	0tu09793	0tu09794	0tu09795	0tu09796	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	0tu09797	0tu09798	0tu09799	0tu09800	0tu09801	0tu09802	0tu09803	
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##	0tu09804	0tu09805	0tu09806	0tu09807	0tu09808	0tu09809	0tu09810	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	0tu09811	0tu09812	0tu09813	0tu09814	0tu09815	0tu09816		
##	CSI001	0	0 0.000000e+00	0	0	0 0.000000e+00		
##	CSI012	0	0 0.000000e+00	0	0	0 0.000000e+00		
##	CSI022	0	0 0.000000e+00	0	0	2.151556e-05		
##	CSI044	0	0 0.000000e+00	0	0	0 0.000000e+00		
##	CSI055	0	0 0.000000e+00	0	0	0 0.000000e+00		
##	CSI065	0	0 0.000000e+00	0	0	0 0.000000e+00		
##	CSI076	0	0 0.000000e+00	0	0	0 0.000000e+00		
##	0tu09817	0tu09818	0tu09819	0tu09820	0tu09821	0tu09822	0tu09823	
##	CSI001	0	0	0	0	0	0	
##	CSI012	0	0	0	0	0	0	
##	CSI022	0	0	0	0	0	0	
##	CSI044	0	0	0	0	0	0	
##	CSI055	0	0	0	0	0	0	
##	CSI065	0	0	0	0	0	0	
##	CSI076	0	0	0	0	0	0	
##	0tu09824	0tu09825	0tu09826	0tu09827	0tu09828	0tu09829	0tu09830	
##	CSI001	0 0.00000e+00	0	0	0	0	0	
##	CSI012	0 0.00000e+00	0	0	0	0	0	
##	CSI022	0 0.00000e+00	0	0	0	0	0	
##	CSI044	0 0.00000e+00	0	0	0	0	0	
##	CSI055	0 6.45425e-05	0	0	0	0	0	
##	CSI065	0 0.00000e+00	0	0	0	0	0	
##	CSI076	0 0.00000e+00	0	0	0	0	0	
##	0tu09831	0tu09832	0tu09833	0tu09834	0tu09835	0tu09836	0tu09837	
##	CSI001	0	0	0	0	0	0	
##	CSI012	0	0	0	0	0	0	
##	CSI022	0	0	0	0	0	0	
##	CSI044	0	0	0	0	0	0	
##	CSI055	0	0	0	0	0	0	
##	CSI065	0	0	0	0	0	0	
##	CSI076	0	0	0	0	0	0	
##	0tu09838	0tu09839	0tu09840	0tu09841	0tu09842	0tu09843	0tu09844	
##	CSI001	0	0	0	0	0	0	
##	CSI012	0	0	0	0	0	0	
##	CSI022	0	0	0	0	0	0	
##	CSI044	0	0	0	0	0	0	
##	CSI055	0	0	0	0	0	0	
##	CSI065	0	0	0	0	0	0	
##	CSI076	0	0	0	0	0	0	
##	0tu09845	0tu09846	0tu09847	0tu09848	0tu09849	0tu09850	0tu09851	
##	CSI001	0 0.00000e+00	0	0	0	0	0	
##	CSI012	0 0.00000e+00	0	0	0	0	0	
##	CSI022	0 0.00000e+00	0	0	0	0	0	
##	CSI044	0 0.00000e+00	0	0	0	0	0	
##	CSI055	0 6.45425e-05	0	0	0	0	0	
##	CSI065	0 0.00000e+00	0	0	0	0	0	
##	CSI076	0 0.00000e+00	0	0	0	0	0	
##	0tu09852	0tu09853	0tu09854	0tu09855	0tu09856	0tu09857	0tu09858	
##	CSI001	0	0 0.000000e+00	0	0	0	0	
##	CSI012	0	0 0.000000e+00	0	0	0	0	

##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu09859	0tu09860	0tu09861	0tu09862	0tu09863	0tu09864	0tu09865
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09866	0tu09867	0tu09868	0tu09869	0tu09870	0tu09871	0tu09872
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09873	0tu09874	0tu09875	0tu09876	0tu09877	0tu09878	0tu09879
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09880	0tu09881	0tu09882	0tu09883	0tu09884	0tu09885	0tu09886
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	2.151556e-05	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu09887	0tu09888	0tu09889	0tu09890	0tu09891	0tu09892	0tu09893
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu09894	0tu09895	0tu09896	0tu09897	0tu09898	0tu09899	0tu09900
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu09901	0tu09902	0tu09903	0tu09904	0tu09905	0tu09906	

##	CSI001	0	0	0.000000e+00	0	0	4.690652e-05
##	CSI012	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI022	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI044	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI055	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI065	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI076	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu09907	0tu09908	0tu09909	0tu09910	0tu09911	0tu09912 0tu09913
##	CSI001	0	0	0	0	0	0.000000e+00 0
##	CSI012	0	0	0	0	0	0.000000e+00 0
##	CSI022	0	0	0	0	0	0.000000e+00 0
##	CSI044	0	0	0	0	0	0.000000e+00 0
##	CSI055	0	0	0	0	0	0.000000e+00 0
##	CSI065	0	0	0	0	0	0.000000e+00 0
##	CSI076	0	0	0	0	0	0.000000e+00 0
##		0tu09914	0tu09915	0tu09916	0tu09917	0tu09918	0tu09919 0tu09920
##	CSI001	0	0	0	0	0.000000e+00	0 0
##	CSI012	0	0	0	0	1.724971e-05	0 0
##	CSI022	0	0	0	0	0.000000e+00	0 0
##	CSI044	0	0	0	0	0.000000e+00	0 0
##	CSI055	0	0	0	0	0.000000e+00	0 0
##	CSI065	0	0	0	0	0.000000e+00	0 0
##	CSI076	0	0	0	0	0.000000e+00	0 0
##		0tu09921	0tu09922	0tu09923	0tu09924	0tu09925	0tu09926 0tu09927
##	CSI001	0	0	0	0	0	0 0
##	CSI012	0	0	0	0	0	0 0
##	CSI022	0	0	0	0	0	0 0
##	CSI044	0	0	0	0	0	0 0
##	CSI055	0	0	0	0	0	0 0
##	CSI065	0	0	0	0	0	0 0
##	CSI076	0	0	0	0	0	0 0
##		0tu09928	0tu09929	0tu09930	0tu09931	0tu09932	0tu09933 0tu09934
##	CSI001	0	4.690652e-05	0	0	0	0 0
##	CSI012	0	0.000000e+00	0	0	0	0 0
##	CSI022	0	0.000000e+00	0	0	0	0 0
##	CSI044	0	0.000000e+00	0	0	0	0 0
##	CSI055	0	0.000000e+00	0	0	0	0 0
##	CSI065	0	0.000000e+00	0	0	0	0 0
##	CSI076	0	0.000000e+00	0	0	0	0 0
##		0tu09935	0tu09936	0tu09937	0tu09938	0tu09939	0tu09940 0tu09941
##	CSI001	0	0	0	0	0	7.035977e-05 0
##	CSI012	0	0	0	0	0	0.000000e+00 0
##	CSI022	0	0	0	0	0	0.000000e+00 0
##	CSI044	0	0	0	0	0	0.000000e+00 0
##	CSI055	0	0	0	0	0	0.000000e+00 0
##	CSI065	0	0	0	0	0	0.000000e+00 0
##	CSI076	0	0	0	0	0	0.000000e+00 0
##		0tu09942	0tu09943	0tu09944	0tu09945	0tu09946	0tu09947 0tu09948
##	CSI001	0.00000e+00	0	0	0	0	0 0
##	CSI012	0.00000e+00	0	0	0	0	0 0
##	CSI022	0.00000e+00	0	0	0	0	0 0
##	CSI044	5.91471e-05	0	0	0	0	0 0
##	CSI055	0.00000e+00	0	0	0	0	0 0
##	CSI065	0.00000e+00	0	0	0	0	0 0

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## CSI076 0.00000e+00      0      0      0      0      0      0
##      0tu09949 0tu09950 0tu09951 0tu09952 0tu09953 0tu09954 0tu09955
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu09956 0tu09957 0tu09958      0tu09959 0tu09960 0tu09961 0tu09962
## CSI001      0      0      0 0.000000e+00      0      0      0
## CSI012      0      0      0 1.724971e-05      0      0      0
## CSI022      0      0      0 2.151556e-05      0      0      0
## CSI044      0      0      0 0.000000e+00      0      0      0
## CSI055      0      0      0 0.000000e+00      0      0      0
## CSI065      0      0      0 0.000000e+00      0      0      0
## CSI076      0      0      0 0.000000e+00      0      0      0
##      0tu09963 0tu09964      0tu09965 0tu09966 0tu09967 0tu09968 0tu09969
## CSI001      0      0 0.000000e+00      0      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0      0
## CSI055      0      0 0.000000e+00      0      0      0      0
## CSI065      0      0 7.56401e-05      0      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0      0
##      0tu09970 0tu09971 0tu09972 0tu09973 0tu09974 0tu09975 0tu09976
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu09977      0tu09978 0tu09979      0tu09980 0tu09981 0tu09982
## CSI001 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI012 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI022 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI044 5.91471e-05 0.000000e+00      0 0.000000e+00      0      0
## CSI055 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI065 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI076 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
##      0tu09983 0tu09984      0tu09985 0tu09986 0tu09987 0tu09988 0tu09989
## CSI001      0      0 0.000000e+00      0      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0      0
## CSI055      0      0 0.000000e+00      0      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0      0
##      0tu09990 0tu09991 0tu09992 0tu09993 0tu09994      0tu09995
## CSI001 0.0000000000      0      0      0      0 0.000000e+00
## CSI012 0.0000000000      0      0      0      0 1.724971e-05
## CSI022 0.0000000000      0      0      0      0 0.000000e+00
## CSI044 0.0000000000      0      0      0      0 0.000000e+00

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##	CSI055	0.0000000000	0	0	0	0	0.000000e+00
##	CSI065	0.0001134602	0	0	0	0	0.000000e+00
##	CSI076	0.0000000000	0	0	0	0	0.000000e+00
##		Otu09996	Otu09997	Otu09998	Otu09999	Otu10000	Otu10001 Otu10002
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu10003	Otu10004	Otu10005	Otu10006	Otu10007	Otu10008 Otu10009
##	CSI001	0	0	0	0.000000e+00	0	0 0
##	CSI012	0	0	0	0.000000e+00	0	0 0
##	CSI022	0	0	0	0.000000e+00	0	0 0
##	CSI044	0	0	0	0.000000e+00	0	0 0
##	CSI055	0	0	0	0.000000e+00	0	0 0
##	CSI065	0	0	0	0.000000e+00	0	0 0
##	CSI076	0	0	0	5.781349e-05	0	0 0
##		Otu10010	Otu10011	Otu10012	Otu10013	Otu10014	Otu10015 Otu10016
##	CSI001	0	0	0.000000e+00	0	0	0 0
##	CSI012	0	0	0.000000e+00	0	0	0 0
##	CSI022	0	0	0.000000e+00	0	0	0 0
##	CSI044	0	0	0.000000e+00	0	0	0 0
##	CSI055	0	0	0.000000e+00	0	0	0 0
##	CSI065	0	0	0.000000e+00	0	0	0 0
##	CSI076	0	0	0.000000e+00	0	0	0 0
##		Otu10017	Otu10018	Otu10019	Otu10020	Otu10021	Otu10022
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		Otu10023	Otu10024	Otu10025	Otu10026	Otu10027	Otu10028
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI076	0.000000e+00	0	5.781349e-05	0	0	0
##		Otu10029	Otu10030	Otu10031	Otu10032	Otu10033	Otu10034
##	CSI001	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI012	1.724971e-05	0	0.000000e+00	1.724971e-05	0	0
##	CSI022	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI055	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI076	5.781349e-05	0	0.000000e+00	0.000000e+00	0	0
##		Otu10035	Otu10036	Otu10037	Otu10038	Otu10039	Otu10040 Otu10041
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu10042	0tu10043	0tu10044	0tu10045	0tu10046	0tu10047	0tu10048
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu10049	0tu10050	0tu10051	0tu10052	0tu10053	0tu10054	
##	CSI001	0.000000e+00	0	4.690652e-05	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##		0tu10055	0tu10056	0tu10057	0tu10058	0tu10059	0tu10060	0tu10061
##	CSI001	0	0	0.00000e+00	0	0	0	0
##	CSI012	0	0	0.00000e+00	0	0	0	0
##	CSI022	0	0	0.00000e+00	0	0	0	0
##	CSI044	0	0	5.91471e-05	0	0	0	0
##	CSI055	0	0	0.00000e+00	0	0	0	0
##	CSI065	0	0	0.00000e+00	0	0	0	0
##	CSI076	0	0	0.00000e+00	0	0	0	0
##		0tu10062	0tu10063	0tu10064	0tu10065	0tu10066	0tu10067	
##	CSI001	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI022	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0.000000e+00	0.000000e+00	0	2.151417e-05	
##	CSI065	0	0	0.000000e+00	3.782005e-05	0	0.000000e+00	
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	2.890675e-05	
##		0tu10068	0tu10069	0tu10070	0tu10071	0tu10072	0tu10073	0tu10074
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu10075	0tu10076	0tu10077	0tu10078	0tu10079	0tu10080	0tu10081
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu10082	0tu10083	0tu10084	0tu10085	0tu10086	0tu10087	0tu10088

##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	2.151556e-05	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##	Otu10089	Otu10090	Otu10091	Otu10092	Otu10093	Otu10094	Otu10095	
##	CSI001	0	0	0	0 0.000000e+00	0	0	
##	CSI012	0	0	0	0 5.174912e-05	0	0	
##	CSI022	0	0	0	0 0.000000e+00	0	0	
##	CSI044	0	0	0	0 0.000000e+00	0	0	
##	CSI055	0	0	0	0 0.000000e+00	0	0	
##	CSI065	0	0	0	0 0.000000e+00	0	0	
##	CSI076	0	0	0	0 0.000000e+00	0	0	
##	Otu10096	Otu10097	Otu10098	Otu10099	Otu10100	Otu10101	Otu10102	
##	CSI001	0	4.690652e-05	0	0	0	0	
##	CSI012	0	0.000000e+00	0	0	0	0	
##	CSI022	0	2.151556e-05	0	0	0	0	
##	CSI044	0	0.000000e+00	0	0	0	0	
##	CSI055	0	0.000000e+00	0	0	0	0	
##	CSI065	0	0.000000e+00	0	0	0	0	
##	CSI076	0	0.000000e+00	0	0	0	0	
##	Otu10103	Otu10104	Otu10105	Otu10106	Otu10107	Otu10108	Otu10109	
##	CSI001	0	0	0	0	0	0	
##	CSI012	0	0	0	0	0	0	
##	CSI022	0	0	0	0	0	0	
##	CSI044	0	0	0	0	0	0	
##	CSI055	0	0	0	0	0	0	
##	CSI065	0	0	0	0	0	0	
##	CSI076	0	0	0	0	0	0	
##	Otu10110	Otu10111	Otu10112	Otu10113	Otu10114	Otu10115	Otu10116	
##	CSI001	0	0	0	0.000000e+00	0	0	
##	CSI012	0	0	0	0.000000e+00	0	0	
##	CSI022	0	0	0	0.000000e+00	0	0	
##	CSI044	0	0	0	0.000000e+00	0	0	
##	CSI055	0	0	0	0.000000e+00	0	0	
##	CSI065	0	0	0	0.000000e+00	0	0	
##	CSI076	0	0	0	0.000000e+00	0	0	
##	Otu10117	Otu10118	Otu10119	Otu10120	Otu10121	Otu10122	Otu10123	
##	CSI001	0	0	0	0	0	0	
##	CSI012	0	0	0	0	0	0	
##	CSI022	0	0	0	0	0	0	
##	CSI044	0	0	0	0	0	0	
##	CSI055	0	0	0	0	0	0	
##	CSI065	0	0	0	0	0	0	
##	CSI076	0	0	0	0	0	0	
##	Otu10124	Otu10125	Otu10126	Otu10127	Otu10128	Otu10129		
##	CSI001	0.000000e+00	0	0	0	0 0.000000e+00		
##	CSI012	5.174912e-05	0	0	0	0 0.000000e+00		
##	CSI022	0.000000e+00	0	0	0	0 0.000000e+00		
##	CSI044	0.000000e+00	0	0	0	0 0.000000e+00		
##	CSI055	0.000000e+00	0	0	0	0 0.000000e+00		
##	CSI065	0.000000e+00	0	0	0	0 0.000000e+00		

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## CSI076 0.000000e+00      0      0      0      0 2.890675e-05
##      0tu10130 0tu10131 0tu10132 0tu10133 0tu10134 0tu10135 0tu10136
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu10137 0tu10138 0tu10139 0tu10140 0tu10141      0tu10142 0tu10143
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 2.151556e-05      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu10144 0tu10145      0tu10146 0tu10147 0tu10148 0tu10149
## CSI001 0.000000e+00      0 0.000000e+00      0      0      0
## CSI012 1.724971e-05      0 0.000000e+00      0      0      0
## CSI022 0.000000e+00      0 4.303111e-05      0      0      0
## CSI044 0.000000e+00      0 0.000000e+00      0      0      0
## CSI055 0.000000e+00      0 0.000000e+00      0      0      0
## CSI065 0.000000e+00      0 0.000000e+00      0      0      0
## CSI076 0.000000e+00      0 0.000000e+00      0      0      0
##      0tu10150 0tu10151 0tu10152 0tu10153 0tu10154 0tu10155 0tu10156
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu10157 0tu10158 0tu10159 0tu10160 0tu10161 0tu10162 0tu10163
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu10164 0tu10165 0tu10166 0tu10167 0tu10168 0tu10169 0tu10170
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu10171 0tu10172 0tu10173      0tu10174 0tu10175 0tu10176 0tu10177
## CSI001      0      0      0 0.000000e+00      0      0      0
## CSI012      0      0      0 0.000000e+00      0      0      0
## CSI022      0      0      0 0.000000e+00      0      0      0
## CSI044      0      0      0 0.000000e+00      0      0      0

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##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu10178	Otu10179	Otu10180	Otu10181	Otu10182	Otu10183	
##	CSI001	0.000000e+00	0	0	0	0	0	
##	CSI012	0.000000e+00	0	0	0	0	0	
##	CSI022	0.000000e+00	0	0	0	0	0	
##	CSI044	0.000000e+00	0	0	0	0	0	
##	CSI055	0.000000e+00	0	0	0	0	0	
##	CSI065	0.000000e+00	0	0	0	0	0	
##	CSI076	0.000000e+00	0	0	0	0	0	
##		Otu10184	Otu10185	Otu10186	Otu10187	Otu10188	Otu10189	
##	CSI001	0.000000e+00	0	0	0	0	0	
##	CSI012	0.000000e+00	0	0	0	0	0	
##	CSI022	0.000000e+00	0	0	0	0	0	
##	CSI044	0.000000e+00	0	0	0	0	0	
##	CSI055	0.000000e+00	0	0	0	0	0	
##	CSI065	0.000000e+00	0	0	0	0	0	
##	CSI076	0.000000e+00	0	0	0	0	0	
##		Otu10190	Otu10191	Otu10192	Otu10193	Otu10194	Otu10195	
##	CSI001	2.345326e-05	0	0.000000e+00	0	7.035977e-05	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0	4.303111e-05	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##		Otu10196	Otu10197	Otu10198	Otu10199	Otu10200	Otu10201	
##	CSI001	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	5.781349e-05	0.000000e+00	
##		Otu10202	Otu10203	Otu10204	Otu10205	Otu10206	Otu10207	Otu10208
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10209	Otu10210	Otu10211	Otu10212	Otu10213	Otu10214	Otu10215
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10216	Otu10217	Otu10218	Otu10219	Otu10220	Otu10221	Otu10222
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0

##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu10223	0tu10224	0tu10225	0tu10226	0tu10227	0tu10228	0tu10229
##	CSI001	4.690652e-05	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu10230	0tu10231	0tu10232	0tu10233	0tu10234	0tu10235	0tu10236
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu10237	0tu10238	0tu10239	0tu10240	0tu10241	0tu10242	0tu10243
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	2.890675e-05	0
##		0tu10244	0tu10245	0tu10246	0tu10247	0tu10248	0tu10249	
##	CSI001	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI022	0.000000e+00	0	0	0	0	4.303111e-05	
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI055	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00	
##		0tu10250	0tu10251	0tu10252	0tu10253	0tu10254	0tu10255	0tu10256
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	1.724971e-05	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu10257	0tu10258	0tu10259	0tu10260	0tu10261	0tu10262	
##	CSI001	0	0	0	0.000000e+00	0	0	
##	CSI012	0	0	0	0.000000e+00	0	0	
##	CSI022	0	0	0	0.000000e+00	0	0	
##	CSI044	0	0	0	0.000000e+00	0	0	
##	CSI055	0	0	0	0.000000e+00	0	0	
##	CSI065	0	0	0	0.000000e+00	0	0	
##	CSI076	0	0	0	0.000000e+00	0	0	
##		0tu10263	0tu10264	0tu10265	0tu10266	0tu10267	0tu10268	

##	CSI001	0.000000e+00	4.690652e-05	0	0.000000e+00	0	0
##	CSI012	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI022	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI044	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI065	3.782005e-05	0.000000e+00	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##		0tu10269	0tu10270	0tu10271	0tu10272	0tu10273	0tu10274
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##		0tu10276	0tu10277	0tu10278	0tu10279	0tu10280	0tu10281
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu10283	0tu10284	0tu10285	0tu10286	0tu10287	0tu10288
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu10290	0tu10291	0tu10292	0tu10293	0tu10294	0tu10295
##	CSI001	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	2.890675e-05
##		0tu10297	0tu10298	0tu10299	0tu10300	0tu10301	0tu10302
##	CSI001	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0.000000e+00	0	0
##		0tu10304	0tu10305	0tu10306	0tu10307	0tu10308	0tu10309
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0

##	CSI076	0.000000e+00	0	2.890675e-05	0	0	0
##		0tu10310	0tu10311	0tu10312	0tu10313	0tu10314	0tu10315
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu10317	0tu10318	0tu10319	0tu10320	0tu10321	0tu10322
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	5.174912e-05	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu10324	0tu10325	0tu10326	0tu10327	0tu10328	0tu10329
##	CSI001	0	0	0.000000e+00	2.345326e-05	0	0
##	CSI012	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI022	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI044	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI055	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI065	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI076	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu10330	0tu10331	0tu10332	0tu10333	0tu10334	0tu10335
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	2.890675e-05	0	0	0	0
##		0tu10337	0tu10338	0tu10339	0tu10340	0tu10341	0tu10342
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	3.782005e-05	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu10344	0tu10345	0tu10346	0tu10347	0tu10348	0tu10349
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu10351	0tu10352	0tu10353	0tu10354	0tu10355	0tu10356
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10358	Otu10359	Otu10360	Otu10361	Otu10362	Otu10363	Otu10364
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10365	Otu10366	Otu10367	Otu10368	Otu10369	Otu10370	
##	CSI001	0	2.345326e-05	0.000000e+00	0	0	0	0
##	CSI012	0	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	7.56401e-05	0	0	0	0
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0	0
##		Otu10371	Otu10372	Otu10373	Otu10374	Otu10375	Otu10376	
##	CSI001	0.000000e+00	0	2.345326e-05	0	0	0	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI055	2.151417e-05	0	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	0
##		Otu10377	Otu10378	Otu10379	Otu10380	Otu10381	Otu10382	Otu10383
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		Otu10384	Otu10385	Otu10386	Otu10387	Otu10388	Otu10389	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	0
##		Otu10390	Otu10391	Otu10392	Otu10393	Otu10394	Otu10395	
##	CSI001	0.000000e+00	0	0	0	0	0.000000e+00	0
##	CSI012	0.000000e+00	0	0	0	0	5.174912e-05	0
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00	0
##	CSI055	0.000000e+00	0	0	0	0	0.000000e+00	0
##	CSI065	3.782005e-05	0	0	0	0	0.000000e+00	0
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00	0
##		Otu10396	Otu10397	Otu10398	Otu10399	Otu10400	Otu10401	
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0

##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		Otu10402	Otu10403	Otu10404	Otu10405	Otu10406	Otu10407 Otu10408
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		Otu10409	Otu10410	Otu10411	Otu10412	Otu10413	Otu10414 Otu10415
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu10416	Otu10417	Otu10418	Otu10419	Otu10420	Otu10421
##	CSI001	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI012	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI055	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI065	0	0.000000e+00	3.782005e-05	0	0	0
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0
##		Otu10422	Otu10423	Otu10424	Otu10425	Otu10426	Otu10427 Otu10428
##	CSI001	0	0	0	0	0	0 0.000000e+00
##	CSI012	0	0	0	0	0	0 0.000000e+00
##	CSI022	0	0	0	0	0	0 0.000000e+00
##	CSI044	0	0	0	0	0	0 0.000000e+00
##	CSI055	0	0	0	0	0	0 0.000000e+00
##	CSI065	0	0	0	0	0	0 0.000000e+00
##	CSI076	0	0	0	0	0	0 0.000000e+00
##		Otu10429	Otu10430	Otu10431	Otu10432	Otu10433	Otu10434
##	CSI001	0	2.345326e-05	0	0	0	0
##	CSI012	0	1.724971e-05	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##		Otu10435	Otu10436	Otu10437	Otu10438	Otu10439	Otu10440
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI012	0.000000e+00	0	0	0	1.724971e-05	0
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0
##		Otu10441	Otu10442	Otu10443	Otu10444	Otu10445	Otu10446

##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		Otu10447	Otu10448	Otu10449	Otu10450	Otu10451	Otu10452
##	CSI001	0.000000e+00	0.00000e+00	0	0	0	0
##	CSI012	1.724971e-05	0.00000e+00	0	0	0	0
##	CSI022	0.000000e+00	0.00000e+00	0	0	0	0
##	CSI044	0.000000e+00	1.97157e-05	0	0	0	0
##	CSI055	0.000000e+00	0.00000e+00	0	0	0	0
##	CSI065	0.000000e+00	0.00000e+00	0	0	0	0
##	CSI076	0.000000e+00	0.00000e+00	0	0	0	0
##		Otu10453	Otu10454	Otu10455	Otu10456	Otu10457	Otu10458
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu10460	Otu10461	Otu10462	Otu10463	Otu10464	Otu10465
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu10467	Otu10468	Otu10469	Otu10470	Otu10471	Otu10472
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu10474	Otu10475	Otu10476	Otu10477	Otu10478	Otu10479
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu10481	Otu10482	Otu10483	Otu10484	Otu10485	Otu10486
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu10481	Otu10482	Otu10483	Otu10484	Otu10485	Otu10486
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0

```

## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu10488 0tu10489 0tu10490 0tu10491 0tu10492 0tu10493 0tu10494
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu10495 0tu10496 0tu10497 0tu10498 0tu10499 0tu10500 0tu10501
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 1.724971e-05      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu10502 0tu10503 0tu10504 0tu10505 0tu10506 0tu10507 0tu10508
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu10509 0tu10510 0tu10511 0tu10512 0tu10513 0tu10514 0tu10515
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu10516      0tu10517      0tu10518 0tu10519 0tu10520 0tu10521
## CSI001      0 2.345326e-05 0.00000e+00      0      0      0
## CSI012      0 1.724971e-05 0.00000e+00      0      0      0
## CSI022      0 0.000000e+00 0.00000e+00      0      0      0
## CSI044      0 0.000000e+00 0.00000e+00      0      0      0
## CSI055      0 0.000000e+00 6.45425e-05      0      0      0
## CSI065      0 0.000000e+00 0.00000e+00      0      0      0
## CSI076      0 0.000000e+00 0.00000e+00      0      0      0
##      0tu10522 0tu10523 0tu10524 0tu10525      0tu10526 0tu10527 0tu10528
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 0.000000e+00      0      0
## CSI022      0      0      0      0 0.000000e+00      0      0
## CSI044      0      0      0      0 0.000000e+00      0      0
## CSI055      0      0      0      0 0.000000e+00      0      0
## CSI065      0      0      0      0 0.000000e+00      0      0
## CSI076      0      0      0      0 0.000000e+00      0      0
##      0tu10529 0tu10530 0tu10531 0tu10532 0tu10533      0tu10534 0tu10535
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 0.000000e+00      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0

```

##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu10536	Otu10537	Otu10538	Otu10539	Otu10540	Otu10541	Otu10542
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10543	Otu10544	Otu10545	Otu10546	Otu10547	Otu10548	
##	CSI001	0	0	0	0.000000e+00	0	2.345326e-05	
##	CSI012	0	0	0	1.724971e-05	0	0.000000e+00	
##	CSI022	0	0	0	4.303111e-05	0	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00	
##		Otu10549	Otu10550	Otu10551	Otu10552	Otu10553	Otu10554	Otu10555
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10556	Otu10557	Otu10558	Otu10559	Otu10560	Otu10561	Otu10562
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	2.890675e-05	0
##		Otu10563	Otu10564	Otu10565	Otu10566	Otu10567	Otu10568	Otu10569
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10570	Otu10571	Otu10572	Otu10573	Otu10574	Otu10575	
##	CSI001	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI012	0	1.724971e-05	0	0	0	0.000000e+00	
##	CSI022	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI055	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI076	0	0.000000e+00	0	0	0	8.672024e-05	
##		Otu10576	Otu10577	Otu10578	Otu10579	Otu10580	Otu10581	
##	CSI001	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0.000000e+00	0	0.000000e+00	3.449941e-05	

##	CSI022	0	0	2.151556e-05	0	2.151556e-05	0.000000e+00	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##		Otu10582	Otu10583	Otu10584	Otu10585	Otu10586	Otu10587	
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI044	1.97157e-05	0.000000e+00	0	0	0	0.000000e+00	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##		Otu10588	Otu10589	Otu10590	Otu10591	Otu10592	Otu10593	Otu10594
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	4.303111e-05	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu10595	Otu10596	Otu10597	Otu10598	Otu10599	Otu10600	
##	CSI001	0	0.000000e+00	0	0	0	0	
##	CSI012	0	0.000000e+00	0	0	0	0	
##	CSI022	0	0.000000e+00	0	0	0	0	
##	CSI044	0	0.000000e+00	0	0	0	0	
##	CSI055	0	0.000000e+00	0	0	0	0	
##	CSI065	0	0.000000e+00	0	0	0	0	
##	CSI076	0	0.000000e+00	0	0	0	0	
##		Otu10601	Otu10602	Otu10603	Otu10604	Otu10605	Otu10606	Otu10607
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	2.151417e-05	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		Otu10608	Otu10609	Otu10610	Otu10611	Otu10612	Otu10613	
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0	2.151556e-05	
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0	6.45425e-05	0	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00	
##		Otu10614	Otu10615	Otu10616	Otu10617	Otu10618	Otu10619	Otu10620
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10621	Otu10622	Otu10623	Otu10624	Otu10625	Otu10626	

##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		Otu10627	Otu10628	Otu10629	Otu10630	Otu10631	Otu10632
##	CSI001	2.345326e-05	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	2.151417e-05	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		Otu10634	Otu10635	Otu10636	Otu10637	Otu10638	Otu10639
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	5.174912e-05	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		Otu10641	Otu10642	Otu10643	Otu10644	Otu10645	Otu10646
##	CSI001	0 0.000000e+00	0	0	0	0	0
##	CSI012	0 0.000000e+00	0	0	0	0	0
##	CSI022	0 0.000000e+00	0	0	0	0	0
##	CSI044	0 0.000000e+00	0	0	0	0	0
##	CSI055	0 2.151417e-05	0	0	0	0	0
##	CSI065	0 0.000000e+00	0	0	0	0	0
##	CSI076	0 0.000000e+00	0	0	0	0	0
##		Otu10647	Otu10648	Otu10649	Otu10650	Otu10651	Otu10652
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	6.45425e-05	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		Otu10653	Otu10654	Otu10655	Otu10656	Otu10657	Otu10658
##	CSI001	2.345326e-05	0	0	0 0.000000e+00		0
##	CSI012	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI022	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI044	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI055	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI065	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI076	0.000000e+00	0	0	0 5.781349e-05		0
##		Otu10659	Otu10660	Otu10661	Otu10662	Otu10663	Otu10664
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		Otu10666	Otu10667	Otu10668	Otu10669	Otu10670	Otu10671	Otu10672
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10673	Otu10674	Otu10675	Otu10676	Otu10677	Otu10678	Otu10679
##	CSI001	0	0	0	0	0	2.345326e-05	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu10680	Otu10681	Otu10682	Otu10683	Otu10684	Otu10685	Otu10686
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu10687	Otu10688	Otu10689	Otu10690	Otu10691	Otu10692	
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0	1.724971e-05	0	
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0	
##		Otu10693	Otu10694	Otu10695	Otu10696	Otu10697	Otu10698	Otu10699
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10700	Otu10701	Otu10702	Otu10703	Otu10704	Otu10705	
##	CSI001	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	0	
##		Otu10706	Otu10707	Otu10708	Otu10709	Otu10710	Otu10711	Otu10712
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10713	Otu10714	Otu10715	Otu10716	Otu10717	Otu10718	Otu10719
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		Otu10720	Otu10721	Otu10722	Otu10723	Otu10724	Otu10725	Otu10726
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10727	Otu10728	Otu10729	Otu10730	Otu10731	Otu10732	
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0	1.724971e-05	
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00	
##		Otu10733	Otu10734	Otu10735	Otu10736	Otu10737	Otu10738	Otu10739
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	1.97157e-05	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		Otu10740	Otu10741	Otu10742	Otu10743	Otu10744	Otu10745	
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0	
##		Otu10746	Otu10747	Otu10748	Otu10749	Otu10750	Otu10751	Otu10752
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10753	Otu10754	Otu10755	Otu10756	Otu10757	Otu10758	Otu10759
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu10760	Otu10761	Otu10762	Otu10763	Otu10764	Otu10765	Otu10766	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu10767	Otu10768	Otu10769	Otu10770	Otu10771	Otu10772	Otu10773	
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##	Otu10774	Otu10775	Otu10776	Otu10777	Otu10778	Otu10779	Otu10780	
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	3.449941e-05	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##	Otu10781	Otu10782	Otu10783	Otu10784	Otu10785	Otu10786		
##	CSI001	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0	0	3.449941e-05	0	0.000000e+00	0	
##	CSI022	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	0	
##	Otu10787	Otu10788	Otu10789	Otu10790	Otu10791	Otu10792	Otu10793	
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	2.151556e-05	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##	Otu10794	Otu10795	Otu10796	Otu10797	Otu10798	Otu10799	Otu10800	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu10801	Otu10802	Otu10803	Otu10804	Otu10805	Otu10806	Otu10807	

##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		0tu10808	0tu10809	0tu10810	0tu10811	0tu10812	0tu10813	0tu10814
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	3.782005e-05	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu10815	0tu10816	0tu10817	0tu10818	0tu10819	0tu10820	
##	CSI001	0	0	0	0	0	0.000000e+00	
##	CSI012	0	0	0	0	0	0.000000e+00	
##	CSI022	0	0	0	0	0	4.303111e-05	
##	CSI044	0	0	0	0	0	0.000000e+00	
##	CSI055	0	0	0	0	0	0.000000e+00	
##	CSI065	0	0	0	0	0	0.000000e+00	
##	CSI076	0	0	0	0	0	0.000000e+00	
##		0tu10821	0tu10822	0tu10823	0tu10824	0tu10825	0tu10826	
##	CSI001	0.000000e+00	0	0	4.690652e-05	0	0	
##	CSI012	3.449941e-05	0	0	0.000000e+00	0	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0	
##		0tu10827	0tu10828	0tu10829	0tu10830	0tu10831	0tu10832	0tu10833
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	3.449941e-05	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu10834	0tu10835	0tu10836	0tu10837	0tu10838	0tu10839	0tu10840
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu10841	0tu10842	0tu10843	0tu10844	0tu10845	0tu10846	0tu10847
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		Otu10848	Otu10849	Otu10850	Otu10851	Otu10852	Otu10853	Otu10854
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10855	Otu10856	Otu10857	Otu10858	Otu10859	Otu10860	
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI022	4.303111e-05	0	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0	5.781349e-05	0	0	
##		Otu10861	Otu10862	Otu10863	Otu10864	Otu10865	Otu10866	
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI012	0.000000e+00	3.449941e-05	0	0	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI055	4.302833e-05	0.000000e+00	0	0	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0	
##		Otu10867	Otu10868	Otu10869	Otu10870	Otu10871	Otu10872	Otu10873
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10874	Otu10875	Otu10876	Otu10877	Otu10878	Otu10879	Otu10880
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	3.449941e-05	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		Otu10881	Otu10882	Otu10883	Otu10884	Otu10885	Otu10886	Otu10887
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu10888	Otu10889	Otu10890	Otu10891	Otu10892	Otu10893	Otu10894
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu10895	0tu10896	0tu10897	0tu10898	0tu10899	0tu10900	
##	CSI001	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	1.724971e-05	0.000000e+00	0	0	0	
##	CSI022	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##		0tu10901	0tu10902	0tu10903	0tu10904	0tu10905	0tu10906	0tu10907
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu10908	0tu10909	0tu10910	0tu10911	0tu10912	0tu10913	0tu10914
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu10915	0tu10916	0tu10917	0tu10918	0tu10919	0tu10920	0tu10921
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	4.302833e-05
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu10922	0tu10923	0tu10924	0tu10925	0tu10926	0tu10927	0tu10928
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	3.94314e-05	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu10929	0tu10930	0tu10931	0tu10932	0tu10933	0tu10934	
##	CSI001	0.000000e+00	0	0	0	0	0	
##	CSI012	0.000000e+00	0	0	0	0	0	
##	CSI022	0.000000e+00	0	0	0	0	0	
##	CSI044	0.000000e+00	0	0	0	0	0	
##	CSI055	0.000000e+00	0	0	0	0	0	
##	CSI065	0.000000e+00	0	0	0	0	0	
##	CSI076	0.000000e+00	0	0	0	0	0	
##		0tu10935	0tu10936	0tu10937	0tu10938	0tu10939	0tu10940	0tu10941
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0

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## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 4.302833e-05      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu10942 0tu10943 0tu10944 0tu10945 0tu10946 0tu10947 0tu10948
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu10949 0tu10950 0tu10951 0tu10952 0tu10953 0tu10954 0tu10955
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu10956 0tu10957 0tu10958 0tu10959 0tu10960      0tu10961 0tu10962
## CSI001      0      0      0      0      0 0.000000e+00      0
## CSI012      0      0      0      0      0 3.449941e-05      0
## CSI022      0      0      0      0      0 0.000000e+00      0
## CSI044      0      0      0      0      0 0.000000e+00      0
## CSI055      0      0      0      0      0 0.000000e+00      0
## CSI065      0      0      0      0      0 0.000000e+00      0
## CSI076      0      0      0      0      0 0.000000e+00      0
##      0tu10963 0tu10964 0tu10965      0tu10966 0tu10967 0tu10968 0tu10969
## CSI001      0      0      0 0.000000e+00      0      0      0
## CSI012      0      0      0 0.000000e+00      0      0      0
## CSI022      0      0      0 0.000000e+00      0      0      0
## CSI044      0      0      0 0.000000e+00      0      0      0
## CSI055      0      0      0 4.302833e-05      0      0      0
## CSI065      0      0      0 0.000000e+00      0      0      0
## CSI076      0      0      0 0.000000e+00      0      0      0
##      0tu10970 0tu10971 0tu10972 0tu10973 0tu10974 0tu10975 0tu10976
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu10977      0tu10978 0tu10979 0tu10980 0tu10981 0tu10982 0tu10983
## CSI001      0 0.000000e+00      0      0      0      0      0
## CSI012      0 3.449941e-05      0      0      0      0      0
## CSI022      0 0.000000e+00      0      0      0      0      0
## CSI044      0 0.000000e+00      0      0      0      0      0
## CSI055      0 0.000000e+00      0      0      0      0      0
## CSI065      0 0.000000e+00      0      0      0      0      0
## CSI076      0 0.000000e+00      0      0      0      0      0
##      0tu10984 0tu10985 0tu10986 0tu10987 0tu10988 0tu10989 0tu10990

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##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu10991	Otu10992	Otu10993	Otu10994	Otu10995	Otu10996		
##	CSI001	0 0.000000e+00	0	0	0	0 0.000000e+00		
##	CSI012	0 3.449941e-05	0	0	0	0 0.000000e+00		
##	CSI022	0 0.000000e+00	0	0	0	0 0.000000e+00		
##	CSI044	0 0.000000e+00	0	0	0	0 0.000000e+00		
##	CSI055	0 0.000000e+00	0	0	0	0 0.000000e+00		
##	CSI065	0 0.000000e+00	0	0	0	0 0.000000e+00		
##	CSI076	0 0.000000e+00	0	0	0	0 0.000000e+00		
##	Otu10997	Otu10998	Otu10999	Otu11000	Otu11001	Otu11002	Otu11003	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11004	Otu11005	Otu11006	Otu11007	Otu11008	Otu11009	Otu11010	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11011	Otu11012	Otu11013	Otu11014	Otu11015	Otu11016	Otu11017	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11018	Otu11019	Otu11020	Otu11021	Otu11022	Otu11023		
##	CSI001	4.690652e-05	0 0.000000e+00	0	0	0 0.000000e+00		
##	CSI012	0.000000e+00	0 0.000000e+00	0	0	0 3.449941e-05		
##	CSI022	0.000000e+00	0 0.000000e+00	0	0	0 0.000000e+00		
##	CSI044	0.000000e+00	0 0.000000e+00	0	0	0 0.000000e+00		
##	CSI055	0.000000e+00	0 4.302833e-05	0	0	0 0.000000e+00		
##	CSI065	0.000000e+00	0 0.000000e+00	0	0	0 0.000000e+00		
##	CSI076	0.000000e+00	0 0.000000e+00	0	0	0 0.000000e+00		
##	Otu11024	Otu11025	Otu11026	Otu11027	Otu11028	Otu11029	Otu11030	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##	Otu11031	Otu11032	Otu11033	Otu11034	Otu11035	Otu11036	Otu11037	
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	2.151556e-05	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	Otu11038	Otu11039	Otu11040	Otu11041	Otu11042	Otu11043	Otu11044	
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##	Otu11045	Otu11046	Otu11047	Otu11048	Otu11049	Otu11050	Otu11051	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11052	Otu11053	Otu11054	Otu11055	Otu11056	Otu11057	Otu11058	
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##	Otu11059	Otu11060	Otu11061	Otu11062	Otu11063	Otu11064	Otu11065	
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	4.302833e-05	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##	Otu11066	Otu11067	Otu11068	Otu11069	Otu11070	Otu11071	Otu11072	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11073	Otu11074	Otu11075	Otu11076	Otu11077	Otu11078	Otu11079	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11080	Otu11081	Otu11082	Otu11083	Otu11084	Otu11085	Otu11086	
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##	Otu11087	Otu11088	Otu11089	Otu11090	Otu11091	Otu11092		
##	CSI001	0	0	0.000000e+00	0	0	0	
##	CSI012	0	0	0.000000e+00	0	0	0	
##	CSI022	0	0	0.000000e+00	0	0	0	
##	CSI044	0	0	0.000000e+00	0	0	0	
##	CSI055	0	0	0.000000e+00	0	0	0	
##	CSI065	0	0	0.000000e+00	0	0	0	
##	CSI076	0	0	0.000000e+00	0	0	0	
##	Otu11093	Otu11094	Otu11095	Otu11096	Otu11097	Otu11098		
##	CSI001	4.690652e-05	0	0	0.000000e+00	0	0	
##	CSI012	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0	
##	Otu11099	Otu11100	Otu11101	Otu11102	Otu11103	Otu11104	Otu11105	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11106	Otu11107	Otu11108	Otu11109	Otu11110	Otu11111	Otu11112	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11113	Otu11114	Otu11115	Otu11116	Otu11117	Otu11118	Otu11119	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11120	Otu11121	Otu11122	Otu11123	Otu11124	Otu11125	Otu11126	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11127	Otu11128	Otu11129	Otu11130	Otu11131	Otu11132	Otu11133
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11134	Otu11135	Otu11136	Otu11137	Otu11138	Otu11139	Otu11140
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	3.449941e-05	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu11141	Otu11142	Otu11143	Otu11144	Otu11145	Otu11146	
##	CSI001	0	0	0	0.000000e+00	4.690652e-05	0	
##	CSI012	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI022	0	0	0	4.303111e-05	0.000000e+00	0	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0	
##		Otu11147	Otu11148	Otu11149	Otu11150	Otu11151	Otu11152	
##	CSI001	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI022	4.303111e-05	0	0	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0	0	3.94314e-05	
##	CSI055	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00	
##		Otu11153	Otu11154	Otu11155	Otu11156	Otu11157	Otu11158	Otu11159
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	3.94314e-05	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		Otu11160	Otu11161	Otu11162	Otu11163	Otu11164	Otu11165	Otu11166
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	3.449941e-05	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		Otu11167	Otu11168	Otu11169	Otu11170	Otu11171	Otu11172	Otu11173

##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11174	Otu11175	Otu11176	Otu11177	Otu11178	Otu11179	Otu11180
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	3.449941e-05	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		Otu11181	Otu11182	Otu11183	Otu11184	Otu11185	Otu11186	Otu11187
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu11188	Otu11189	Otu11190	Otu11191	Otu11192	Otu11193	Otu11194
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	4.303111e-05	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu11195	Otu11196	Otu11197	Otu11198	Otu11199	Otu11200	Otu11201
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11202	Otu11203	Otu11204	Otu11205	Otu11206	Otu11207	Otu11208
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		Otu11209	Otu11210	Otu11211	Otu11212	Otu11213	Otu11214	Otu11215
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		Otu11216	Otu11217	Otu11218	Otu11219	Otu11220	Otu11221	Otu11222
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	2.151417e-05	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		Otu11223	Otu11224	Otu11225	Otu11226	Otu11227	Otu11228	Otu11229
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11230	Otu11231	Otu11232	Otu11233	Otu11234	Otu11235	Otu11236
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11237	Otu11238	Otu11239	Otu11240	Otu11241	Otu11242	
##	CSI001	0	0.000000e+00	0	0	0	0	
##	CSI012	0	0.000000e+00	0	0	0	0	
##	CSI022	0	0.000000e+00	0	0	0	0	
##	CSI044	0	0.000000e+00	0	0	0	0	
##	CSI055	0	0.000000e+00	0	0	0	0	
##	CSI065	0	0.000000e+00	0	0	0	0	
##	CSI076	0	0.000000e+00	0	0	0	0	
##		Otu11243	Otu11244	Otu11245	Otu11246	Otu11247	Otu11248	
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0	0	4.303111e-05	0	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0	
##		Otu11249	Otu11250	Otu11251	Otu11252	Otu11253	Otu11254	Otu11255
##	CSI001	0	0	0	2.345326e-05	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu11256	Otu11257	Otu11258	Otu11259	Otu11260	Otu11261	Otu11262
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11263	Otu11264	Otu11265	Otu11266	Otu11267	Otu11268		
##	CSI001	0	4.690652e-05	0	2.345326e-05	0	0	
##	CSI012	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI022	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0	
##	Otu11269	Otu11270	Otu11271	Otu11272	Otu11273	Otu11274	Otu11275	
##	CSI001	0	2.345326e-05	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	Otu11276	Otu11277	Otu11278	Otu11279	Otu11280	Otu11281	Otu11282	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11283	Otu11284	Otu11285	Otu11286	Otu11287	Otu11288	Otu11289	
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##	Otu11290	Otu11291	Otu11292	Otu11293	Otu11294	Otu11295	Otu11296	
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	4.302833e-05	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	Otu11297	Otu11298	Otu11299	Otu11300	Otu11301	Otu11302		
##	CSI001	0	0	4.690652e-05	0	0.000000e+00	0	
##	CSI012	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	0	
##	Otu11303	Otu11304	Otu11305	Otu11306	Otu11307	Otu11308	Otu11309	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11310	Otu11311	Otu11312	Otu11313	Otu11314	Otu11315	
##	CSI001	0.000000e+00	0	0	0	0	0	
##	CSI012	0.000000e+00	0	0	0	0	0	
##	CSI022	0.000000e+00	0	0	0	0	0	
##	CSI044	0.000000e+00	0	0	0	0	0	
##	CSI055	0.000000e+00	0	0	0	0	0	
##	CSI065	0.000000e+00	0	0	0	0	0	
##	CSI076	0.000000e+00	0	0	0	0	0	
##		Otu11316	Otu11317	Otu11318	Otu11319	Otu11320	Otu11321	Otu11322
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	1.724971e-05	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		Otu11323	Otu11324	Otu11325	Otu11326	Otu11327	Otu11328	Otu11329
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		Otu11330	Otu11331	Otu11332	Otu11333	Otu11334	Otu11335	Otu11336
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11337	Otu11338	Otu11339	Otu11340	Otu11341	Otu11342	Otu11343
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11344	Otu11345	Otu11346	Otu11347	Otu11348	Otu11349	Otu11350
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11351	Otu11352	Otu11353	Otu11354	Otu11355	Otu11356	Otu11357

##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11358	Otu11359	Otu11360	Otu11361	Otu11362		Otu11363
##	CSI001	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI012	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI022	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI055	2.151417e-05	0	0	0	0	0.000000e+00	
##	CSI065	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0	0	0	0	0.000000e+00	
##		Otu11364	Otu11365	Otu11366	Otu11367	Otu11368	Otu11369	Otu11370
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11371	Otu11372	Otu11373	Otu11374	Otu11375	Otu11376	Otu11377
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11378	Otu11379	Otu11380	Otu11381	Otu11382	Otu11383	Otu11384
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11385	Otu11386	Otu11387	Otu11388	Otu11389	Otu11390	
##	CSI001	0	0	0	0.000000e+00	0.000000e+00		0
##	CSI012	0	0	0	3.449941e-05	0.000000e+00		0
##	CSI022	0	0	0	0.000000e+00	4.303111e-05		0
##	CSI044	0	0	0	0.000000e+00	0.000000e+00		0
##	CSI055	0	0	0	0.000000e+00	0.000000e+00		0
##	CSI065	0	0	0	0.000000e+00	0.000000e+00		0
##	CSI076	0	0	0	0.000000e+00	0.000000e+00		0
##		Otu11391	Otu11392	Otu11393	Otu11394	Otu11395	Otu11396	Otu11397
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		Otu11398	Otu11399	Otu11400	Otu11401	Otu11402	Otu11403	Otu11404
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11405	Otu11406	Otu11407	Otu11408	Otu11409	Otu11410	Otu11411
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11412	Otu11413	Otu11414	Otu11415	Otu11416	Otu11417	Otu11418
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu11419	Otu11420	Otu11421	Otu11422	Otu11423	Otu11424	Otu11425
##	CSI001	0	0	0	0	0.00000e+00	0	0
##	CSI012	0	0	0	0	0.00000e+00	0	0
##	CSI022	0	0	0	0	0.00000e+00	0	0
##	CSI044	0	0	0	0	3.94314e-05	0	0
##	CSI055	0	0	0	0	0.00000e+00	0	0
##	CSI065	0	0	0	0	0.00000e+00	0	0
##	CSI076	0	0	0	0	0.00000e+00	0	0
##		Otu11426	Otu11427	Otu11428	Otu11429	Otu11430	Otu11431	Otu11432
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11433	Otu11434	Otu11435	Otu11436	Otu11437	Otu11438	Otu11439
##	CSI001	0	0	0	0	0.00000e+00	0	0
##	CSI012	0	0	0	0	0.00000e+00	0	0
##	CSI022	0	0	0	0	0.00000e+00	0	0
##	CSI044	0	0	0	0	3.94314e-05	0	0
##	CSI055	0	0	0	0	0.00000e+00	0	0
##	CSI065	0	0	0	0	0.00000e+00	0	0
##	CSI076	0	0	0	0	0.00000e+00	0	0
##		Otu11440	Otu11441	Otu11442	Otu11443	Otu11444	Otu11445	Otu11446
##	CSI001	0	0	0	0	2.345326e-05	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0

##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		Otu11447	Otu11448	Otu11449	Otu11450	Otu11451	Otu11452	Otu11453
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11454	Otu11455	Otu11456	Otu11457	Otu11458	Otu11459	Otu11460
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	4.302833e-05	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		Otu11461	Otu11462	Otu11463	Otu11464	Otu11465	Otu11466	Otu11467
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11468	Otu11469	Otu11470	Otu11471	Otu11472	Otu11473	Otu11474
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	4.302833e-05
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		Otu11475	Otu11476	Otu11477	Otu11478	Otu11479	Otu11480	Otu11481
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11482	Otu11483	Otu11484	Otu11485	Otu11486	Otu11487	Otu11488
##	CSI001	0	0	0	0	0	0	2.345326e-05
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		Otu11489	Otu11490	Otu11491	Otu11492	Otu11493	Otu11494	
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0	0	0	

##	CSI022	2.151556e-05	4.303111e-05	0	0	0	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	0	
##		Otu11495	Otu11496	Otu11497	Otu11498	Otu11499	Otu11500	
##	CSI001	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI012	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI022	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI044	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI055	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI065	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI076	0	0	0.000000e+00	0	0	0.000000e+00	
##		Otu11501	Otu11502	Otu11503	Otu11504	Otu11505	Otu11506	Otu11507
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11508	Otu11509	Otu11510	Otu11511	Otu11512	Otu11513	Otu11514
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11515	Otu11516	Otu11517	Otu11518	Otu11519	Otu11520	Otu11521
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11522	Otu11523	Otu11524	Otu11525	Otu11526	Otu11527	Otu11528
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	1.97157e-05	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		Otu11529	Otu11530	Otu11531	Otu11532	Otu11533	Otu11534	Otu11535
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11536	Otu11537	Otu11538	Otu11539	Otu11540	Otu11541	Otu11542

##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11543	Otu11544	Otu11545	Otu11546	Otu11547	Otu11548	Otu11549
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	1.724971e-05	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu11550	Otu11551	Otu11552	Otu11553	Otu11554	Otu11555	Otu11556
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11557	Otu11558	Otu11559	Otu11560	Otu11561	Otu11562	Otu11563
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11564	Otu11565	Otu11566	Otu11567	Otu11568	Otu11569	Otu11570
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		Otu11571	Otu11572	Otu11573	Otu11574	Otu11575	Otu11576	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI022	4.303111e-05	0	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	
##		Otu11577	Otu11578	Otu11579	Otu11580	Otu11581	Otu11582	Otu11583
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##	Otu11584	Otu11585	Otu11586	Otu11587	Otu11588	Otu11589	Otu11590	
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	Otu11591	Otu11592	Otu11593	Otu11594	Otu11595	Otu11596		
##	CSI001	0	0.000000e+00	0	0.000000e+00	0.000000e+00		0
##	CSI012	0	3.449941e-05	0	0.000000e+00	0.000000e+00		0
##	CSI022	0	0.000000e+00	0	0.000000e+00	0.000000e+00		0
##	CSI044	0	0.000000e+00	0	0.000000e+00	0.000000e+00		0
##	CSI055	0	0.000000e+00	0	2.151417e-05	4.302833e-05		0
##	CSI065	0	0.000000e+00	0	0.000000e+00	0.000000e+00		0
##	CSI076	0	0.000000e+00	0	0.000000e+00	0.000000e+00		0
##	Otu11597	Otu11598	Otu11599	Otu11600	Otu11601	Otu11602	Otu11603	
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##	Otu11604	Otu11605	Otu11606	Otu11607	Otu11608	Otu11609	Otu11610	
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##	Otu11611	Otu11612	Otu11613	Otu11614	Otu11615	Otu11616	Otu11617	
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	3.449941e-05
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##	Otu11618	Otu11619	Otu11620	Otu11621	Otu11622	Otu11623	Otu11624	
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	3.449941e-05
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##	Otu11625	Otu11626	Otu11627	Otu11628	Otu11629	Otu11630		
##	CSI001	0.000000e+00	0	0	0	0	0	
##	CSI012	0.000000e+00	0	0	0	0	0	
##	CSI022	0.000000e+00	0	0	0	0	0	
##	CSI044	0.000000e+00	0	0	0	0	0	

##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	2.890675e-05	0	0	0	0	0
##		Otu11631	Otu11632	Otu11633	Otu11634	Otu11635	Otu11636
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI012	3.449941e-05	0	0	1.724971e-05	0	0
##	CSI022	0.000000e+00	0	0	2.151556e-05	0	0
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0
##		Otu11637	Otu11638	Otu11639	Otu11640	Otu11641	Otu11642
##	CSI001	0	0	0	2.345326e-05	0	0
##	CSI012	0	0	0	1.724971e-05	0	0
##	CSI022	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0.000000e+00	0	0
##		Otu11644	Otu11645	Otu11646	Otu11647	Otu11648	Otu11649
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu11651	Otu11652	Otu11653	Otu11654	Otu11655	Otu11656
##	CSI001	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	3.449941e-05	0	0
##	CSI022	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0.000000e+00	0	0
##		Otu11658	Otu11659	Otu11660	Otu11661	Otu11662	Otu11663
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	4.303111e-05	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		Otu11665	Otu11666	Otu11667	Otu11668	Otu11669	Otu11670
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu11672	Otu11673	Otu11674	Otu11675	Otu11676	Otu11677
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0

##	CSI022	0	0	0	0	0.00000e+00	0	0
##	CSI044	0	0	0	0	0.00000e+00	0	0
##	CSI055	0	0	0	0	0.00000e+00	0	0
##	CSI065	0	0	0	0	7.56401e-05	0	0
##	CSI076	0	0	0	0	0.00000e+00	0	0
##	Otu11679	Otu11680	Otu11681	Otu11682	Otu11683	Otu11684	Otu11685	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11686	Otu11687	Otu11688	Otu11689	Otu11690	Otu11691		
##	CSI001	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI012	0	0	0	0.000000e+00	1.724971e-05	0	
##	CSI022	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI044	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI055	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI065	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI076	0	0	0	0.000000e+00	0.000000e+00	0	
##	Otu11692	Otu11693	Otu11694	Otu11695	Otu11696	Otu11697	Otu11698	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11699	Otu11700	Otu11701	Otu11702	Otu11703	Otu11704	Otu11705	
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	2.151556e-05	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##	Otu11706	Otu11707	Otu11708	Otu11709	Otu11710	Otu11711	Otu11712	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11713	Otu11714	Otu11715	Otu11716	Otu11717	Otu11718	Otu11719	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11720	Otu11721	Otu11722	Otu11723	Otu11724	Otu11725	Otu11726	

##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		Otu11727	Otu11728	Otu11729	Otu11730	Otu11731	Otu11732	Otu11733
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11734	Otu11735	Otu11736	Otu11737	Otu11738	Otu11739	Otu11740
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	2.151417e-05	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		Otu11741	Otu11742	Otu11743	Otu11744	Otu11745	Otu11746	Otu11747
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11748	Otu11749	Otu11750	Otu11751	Otu11752	Otu11753	Otu11754
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	2.151417e-05	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		Otu11755	Otu11756	Otu11757	Otu11758	Otu11759	Otu11760	Otu11761
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11762	Otu11763	Otu11764	Otu11765	Otu11766	Otu11767	Otu11768
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		Otu11769	Otu11770	Otu11771	Otu11772	Otu11773	Otu11774	Otu11775
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11776	Otu11777	Otu11778	Otu11779	Otu11780	Otu11781	Otu11782
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11783	Otu11784	Otu11785	Otu11786	Otu11787	Otu11788	Otu11789
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu11790	Otu11791	Otu11792	Otu11793	Otu11794	Otu11795	Otu11796
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		Otu11797	Otu11798	Otu11799	Otu11800	Otu11801	Otu11802	Otu11803
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11804	Otu11805	Otu11806	Otu11807	Otu11808	Otu11809	Otu11810
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11811	Otu11812	Otu11813	Otu11814	Otu11815	Otu11816	Otu11817
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0

##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu11818	Otu11819	Otu11820	Otu11821	Otu11822	Otu11823	Otu11824
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11825	Otu11826	Otu11827	Otu11828	Otu11829	Otu11830	Otu11831
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11832	Otu11833	Otu11834	Otu11835	Otu11836	Otu11837	Otu11838
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11839	Otu11840	Otu11841	Otu11842	Otu11843	Otu11844	Otu11845
##	CSI001	0	0	0	0	0	0.00000e+00	0
##	CSI012	0	0	0	0	0	0.00000e+00	0
##	CSI022	0	0	0	0	0	0.00000e+00	0
##	CSI044	0	0	0	0	0	0.00000e+00	0
##	CSI055	0	0	0	0	0	0.00000e+00	0
##	CSI065	0	0	0	0	0	7.56401e-05	0
##	CSI076	0	0	0	0	0	0.00000e+00	0
##		Otu11846	Otu11847	Otu11848	Otu11849	Otu11850	Otu11851	Otu11852
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11853	Otu11854	Otu11855	Otu11856	Otu11857	Otu11858	Otu11859
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11860	Otu11861	Otu11862	Otu11863	Otu11864	Otu11865	Otu11866
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11867	Otu11868	Otu11869	Otu11870	Otu11871	Otu11872	Otu11873	
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	4.303111e-05	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	Otu11874	Otu11875	Otu11876	Otu11877	Otu11878	Otu11879	Otu11880	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11881	Otu11882	Otu11883	Otu11884	Otu11885	Otu11886		
##	CSI001	0	0	0	0.000000e+00	0	0	
##	CSI012	0	0	0	0.000000e+00	0	0	
##	CSI022	0	0	0	0.000000e+00	0	0	
##	CSI044	0	0	0	0.000000e+00	0	0	
##	CSI055	0	0	0	4.302833e-05	0	0	
##	CSI065	0	0	0	0.000000e+00	0	0	
##	CSI076	0	0	0	0.000000e+00	0	0	
##	Otu11887	Otu11888	Otu11889	Otu11890	Otu11891	Otu11892	Otu11893	
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	4.303111e-05	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##	Otu11894	Otu11895	Otu11896	Otu11897	Otu11898	Otu11899	Otu11900	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11901	Otu11902	Otu11903	Otu11904	Otu11905	Otu11906	Otu11907	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu11908	Otu11909	Otu11910	Otu11911	Otu11912	Otu11913	Otu11914	

##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11915	Otu11916	Otu11917	Otu11918	Otu11919	Otu11920	Otu11921
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11922	Otu11923	Otu11924	Otu11925	Otu11926	Otu11927	Otu11928
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11929	Otu11930	Otu11931	Otu11932	Otu11933	Otu11934	Otu11935
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11936	Otu11937	Otu11938	Otu11939	Otu11940	Otu11941	Otu11942
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		Otu11943	Otu11944	Otu11945	Otu11946	Otu11947	Otu11948	Otu11949
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	4.302833e-05	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu11950	Otu11951	Otu11952	Otu11953	Otu11954	Otu11955	Otu11956
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		Otu11957	Otu11958	Otu11959	Otu11960	Otu11961	Otu11962	Otu11963
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		Otu11964	Otu11965	Otu11966	Otu11967	Otu11968	Otu11969	
##	CSI001	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0	0.000000e+00	3.449941e-05	0	0.000000e+00	0	
##	CSI022	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##		Otu11970	Otu11971	Otu11972	Otu11973	Otu11974	Otu11975	Otu11976
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11977	Otu11978	Otu11979	Otu11980	Otu11981	Otu11982	Otu11983
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		Otu11984	Otu11985	Otu11986	Otu11987	Otu11988	Otu11989	Otu11990
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu11991	Otu11992	Otu11993	Otu11994	Otu11995	Otu11996	Otu11997
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	4.303111e-05	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu11998	Otu11999	Otu12000	Otu12001	Otu12002	Otu12003	
##	CSI001	0	0	0.000000e+00	0	0	4.690652e-05	
##	CSI012	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI022	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI044	0	0	0.000000e+00	0	0	0.000000e+00	

##	CSI055	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI065	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI076	0	0	0.000000e+00	0	0	0.000000e+00
##	Otu12004	Otu12005	Otu12006	Otu12007	Otu12008	Otu12009	Otu12010
##	CSI001	0	0.000000e+00	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0
##	Otu12011	Otu12012	Otu12013	Otu12014	Otu12015	Otu12016	Otu12017
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##	Otu12018	Otu12019	Otu12020	Otu12021	Otu12022	Otu12023	Otu12024
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##	Otu12025	Otu12026	Otu12027	Otu12028	Otu12029	Otu12030	Otu12031
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##	Otu12032	Otu12033	Otu12034	Otu12035	Otu12036	Otu12037	Otu12038
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##	Otu12039	Otu12040	Otu12041	Otu12042	Otu12043	Otu12044	Otu12045
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##	Otu12046	Otu12047	Otu12048	Otu12049	Otu12050	Otu12051	Otu12052
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12053	Otu12054	Otu12055	Otu12056	Otu12057	Otu12058	Otu12059
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12060	Otu12061	Otu12062	Otu12063	Otu12064	Otu12065	Otu12066
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	2.151417e-05	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu12067	Otu12068	Otu12069	Otu12070	Otu12071	Otu12072	Otu12073
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12074	Otu12075	Otu12076	Otu12077	Otu12078	Otu12079	Otu12080
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		Otu12081	Otu12082	Otu12083	Otu12084	Otu12085	Otu12086	
##	CSI001	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI012	3.449941e-05	0.000000e+00	0	0	0	0.000000e+00	
##	CSI022	0.000000e+00	2.151556e-05	0	0	0	0.000000e+00	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI065	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0	5.781349e-05	
##		Otu12087	Otu12088	Otu12089	Otu12090	Otu12091	Otu12092	Otu12093
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12094	Otu12095	Otu12096	Otu12097	Otu12098	Otu12099	Otu12100

##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	Otu12101	Otu12102	Otu12103	Otu12104	Otu12105	Otu12106	Otu12107	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12108	Otu12109	Otu12110	Otu12111	Otu12112	Otu12113		
##	CSI001	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	0	
##	Otu12114	Otu12115	Otu12116	Otu12117	Otu12118	Otu12119	Otu12120	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12121	Otu12122	Otu12123	Otu12124	Otu12125	Otu12126	Otu12127	
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	3.782005e-05	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	Otu12128	Otu12129	Otu12130	Otu12131	Otu12132	Otu12133	Otu12134	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12135	Otu12136	Otu12137	Otu12138	Otu12139	Otu12140	Otu12141	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		Otu12142	Otu12143	Otu12144	Otu12145	Otu12146	Otu12147	Otu12148
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12149	Otu12150	Otu12151	Otu12152	Otu12153	Otu12154	Otu12155
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		Otu12156	Otu12157	Otu12158	Otu12159	Otu12160	Otu12161	
##	CSI001	0	0.000000e+00	2.345326e-05	0	0	0	
##	CSI012	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI022	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI044	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI055	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI065	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI076	0	0.000000e+00	0.000000e+00	0	0	0	
##		Otu12162	Otu12163	Otu12164	Otu12165	Otu12166	Otu12167	
##	CSI001	0	0	0	0.000000e+00	0	0	
##	CSI012	0	0	0	0.000000e+00	0	0	
##	CSI022	0	0	0	0.000000e+00	0	0	
##	CSI044	0	0	0	0.000000e+00	0	0	
##	CSI055	0	0	0	0.000000e+00	0	0	
##	CSI065	0	0	0	0.000000e+00	0	0	
##	CSI076	0	0	0	2.890675e-05	0	0	
##		Otu12168	Otu12169	Otu12170	Otu12171	Otu12172	Otu12173	
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI022	2.151556e-05	0	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0	7.56401e-05	0	
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0	
##		Otu12174	Otu12175	Otu12176	Otu12177	Otu12178	Otu12179	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	2.151417e-05	0	0.000000e+00	0	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	
##		Otu12180	Otu12181	Otu12182	Otu12183	Otu12184	Otu12185	Otu12186
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12187	Otu12188	Otu12189	Otu12190	Otu12191	Otu12192	Otu12193
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12194	Otu12195	Otu12196	Otu12197	Otu12198	Otu12199	Otu12200
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	1.724971e-05
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		Otu12201	Otu12202	Otu12203	Otu12204	Otu12205	Otu12206	Otu12207
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	3.94314e-05	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu12208	Otu12209	Otu12210	Otu12211	Otu12212	Otu12213	Otu12214
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12215	Otu12216	Otu12217	Otu12218	Otu12219	Otu12220	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	0	1.724971e-05	0	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI065	7.56401e-05	0	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	
##		Otu12221	Otu12222	Otu12223	Otu12224	Otu12225	Otu12226	Otu12227
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12228	Otu12229	Otu12230	Otu12231	Otu12232	Otu12233	Otu12234
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12235	Otu12236	Otu12237	Otu12238	Otu12239	Otu12240	Otu12241
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12242	Otu12243	Otu12244	Otu12245	Otu12246	Otu12247	Otu12248
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu12249	Otu12250	Otu12251	Otu12252	Otu12253	Otu12254	Otu12255
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12256	Otu12257	Otu12258	Otu12259	Otu12260	Otu12261	Otu12262
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12263	Otu12264	Otu12265	Otu12266	Otu12267	Otu12268	Otu12269
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12270	Otu12271	Otu12272	Otu12273	Otu12274	Otu12275	Otu12276
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12277	Otu12278	Otu12279	Otu12280	Otu12281	Otu12282	Otu12283

##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12284	0tu12285	0tu12286	0tu12287	0tu12288	0tu12289	
##	CSI001	4.690652e-05	0	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0	
##		0tu12290	0tu12291	0tu12292	0tu12293	0tu12294	0tu12295	0tu12296
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12297	0tu12298	0tu12299	0tu12300	0tu12301	0tu12302	
##	CSI001	0	0	0	0	0	2.345326e-05	
##	CSI012	0	0	0	0	0	0.000000e+00	
##	CSI022	0	0	0	0	0	0.000000e+00	
##	CSI044	0	0	0	0	0	0.000000e+00	
##	CSI055	0	0	0	0	0	0.000000e+00	
##	CSI065	0	0	0	0	0	0.000000e+00	
##	CSI076	0	0	0	0	0	0.000000e+00	
##		0tu12303	0tu12304	0tu12305	0tu12306	0tu12307	0tu12308	0tu12309
##	CSI001	2.345326e-05	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu12310	0tu12311	0tu12312	0tu12313	0tu12314	0tu12315	0tu12316
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	2.151556e-05	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu12317	0tu12318	0tu12319	0tu12320	0tu12321	0tu12322	0tu12323
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	2.151417e-05	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0

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## CSI076      0      0      0 0.000000e+00      0      0      0
##      0tu12324      0tu12325 0tu12326      0tu12327 0tu12328 0tu12329
## CSI001 0.000000e+00 0.000000e+00      0 0.00000e+00      0      0
## CSI012 1.724971e-05 0.000000e+00      0 0.00000e+00      0      0
## CSI022 0.000000e+00 0.000000e+00      0 0.00000e+00      0      0
## CSI044 0.000000e+00 0.000000e+00      0 3.94314e-05      0      0
## CSI055 0.000000e+00 0.000000e+00      0 0.00000e+00      0      0
## CSI065 0.000000e+00 0.000000e+00      0 0.00000e+00      0      0
## CSI076 0.000000e+00 0.000000e+00      0 0.00000e+00      0      0
##      0tu12330 0tu12331 0tu12332 0tu12333 0tu12334 0tu12335 0tu12336
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu12337 0tu12338 0tu12339 0tu12340 0tu12341 0tu12342 0tu12343
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 4.302833e-05      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu12344 0tu12345      0tu12346 0tu12347 0tu12348 0tu12349
## CSI001      0      0 0.000000e+00      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0
## CSI055      0      0 4.302833e-05      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0
##      0tu12350 0tu12351 0tu12352 0tu12353 0tu12354 0tu12355 0tu12356
## CSI001 2.345326e-05      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu12357 0tu12358 0tu12359 0tu12360 0tu12361 0tu12362 0tu12363
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu12364 0tu12365 0tu12366 0tu12367 0tu12368 0tu12369 0tu12370
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0

```

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12371	Otu12372	Otu12373	Otu12374	Otu12375	Otu12376	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI022	0.000000e+00	0	2.151556e-05	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	
##		Otu12377	Otu12378	Otu12379	Otu12380	Otu12381	Otu12382	Otu12383
##	CSI001	0	0	0	2.345326e-05	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu12384	Otu12385	Otu12386	Otu12387	Otu12388	Otu12389	Otu12390
##	CSI001	0	0	0	0	0	0	2.345326e-05
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		Otu12391	Otu12392	Otu12393	Otu12394	Otu12395	Otu12396	Otu12397
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		Otu12398	Otu12399	Otu12400	Otu12401	Otu12402	Otu12403	
##	CSI001	0.000000e+00	0	0	0.000000e+00	0.00000e+00	0	
##	CSI012	1.724971e-05	0	0	0.000000e+00	0.00000e+00	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0.00000e+00	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	3.94314e-05	0	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0.00000e+00	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0.00000e+00	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0.00000e+00	0	
##		Otu12404	Otu12405	Otu12406	Otu12407	Otu12408	Otu12409	Otu12410
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	1.724971e-05	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		Otu12411	Otu12412	Otu12413	Otu12414	Otu12415	Otu12416	Otu12417
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12418	Otu12419	Otu12420	Otu12421	Otu12422	Otu12423	Otu12424
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu12425	Otu12426	Otu12427	Otu12428	Otu12429	Otu12430	Otu12431
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12432	Otu12433	Otu12434	Otu12435	Otu12436	Otu12437	Otu12438
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12439	Otu12440	Otu12441	Otu12442	Otu12443	Otu12444	Otu12445
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	3.449941e-05	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu12446	Otu12447	Otu12448	Otu12449	Otu12450	Otu12451	Otu12452
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	3.449941e-05	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu12453	Otu12454	Otu12455	Otu12456	Otu12457	Otu12458	Otu12459
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12460	Otu12461	Otu12462	Otu12463	Otu12464	Otu12465	Otu12466

##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	3.449941e-05	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		Otu12467	Otu12468	Otu12469	Otu12470	Otu12471	Otu12472	Otu12473
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12474	Otu12475	Otu12476	Otu12477	Otu12478	Otu12479	Otu12480
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12481	Otu12482	Otu12483	Otu12484	Otu12485	Otu12486	Otu12487
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12488	Otu12489	Otu12490	Otu12491	Otu12492	Otu12493	
##	CSI001	0.000000e+00	0	0	0	0	0	
##	CSI012	0.000000e+00	0	0	0	0	0	
##	CSI022	2.151556e-05	0	0	0	0	0	
##	CSI044	0.000000e+00	0	0	0	0	0	
##	CSI055	0.000000e+00	0	0	0	0	0	
##	CSI065	0.000000e+00	0	0	0	0	0	
##	CSI076	0.000000e+00	0	0	0	0	0	
##		Otu12494	Otu12495	Otu12496	Otu12497	Otu12498	Otu12499	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI012	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0	
##		Otu12500	Otu12501	Otu12502	Otu12503	Otu12504	Otu12505	Otu12506
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0

##	CSI076	0	0	0	0	0	0	0
##		0tu12507	0tu12508	0tu12509	0tu12510	0tu12511	0tu12512	0tu12513
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12514	0tu12515	0tu12516	0tu12517	0tu12518	0tu12519	0tu12520
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12521	0tu12522	0tu12523	0tu12524	0tu12525	0tu12526	0tu12527
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12528	0tu12529	0tu12530	0tu12531	0tu12532	0tu12533	
##	CSI001	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	3.449941e-05	0	1.724971e-05	0	
##	CSI022	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##		0tu12534	0tu12535	0tu12536	0tu12537	0tu12538	0tu12539	0tu12540
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12541	0tu12542	0tu12543	0tu12544	0tu12545	0tu12546	0tu12547
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12548	0tu12549	0tu12550	0tu12551	0tu12552	0tu12553	0tu12554
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0

##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		Otu12555	Otu12556	Otu12557	Otu12558	Otu12559	Otu12560	Otu12561
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12562	Otu12563	Otu12564	Otu12565	Otu12566	Otu12567	Otu12568
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12569	Otu12570	Otu12571	Otu12572	Otu12573	Otu12574	Otu12575
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	1.724971e-05	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		Otu12576	Otu12577	Otu12578	Otu12579	Otu12580	Otu12581	Otu12582
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		Otu12583	Otu12584	Otu12585	Otu12586	Otu12587	Otu12588	Otu12589
##	CSI001	0	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	0	0.000000e+00	0	0	0
##	CSI065	0	0	0	0.000000e+00	0	0	0
##	CSI076	0	0	0	0.000000e+00	0	0	0
##		Otu12590	Otu12591	Otu12592	Otu12593	Otu12594	Otu12595	
##	CSI001	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI012	0	0	0	0	0.000000e+00	1.724971e-05	
##	CSI022	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI044	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI055	0	0	0	0	2.151417e-05	0.000000e+00	
##	CSI065	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI076	0	0	0	0	0.000000e+00	0.000000e+00	
##		Otu12596	Otu12597	Otu12598	Otu12599	Otu12600	Otu12601	
##	CSI001	0	0	0	0	2.345326e-05	0	
##	CSI012	0	0	0	0	0.000000e+00	0	

##	CSI022	0	0	0	0	0.000000e+00	0	
##	CSI044	0	0	0	0	0.000000e+00	0	
##	CSI055	0	0	0	0	0.000000e+00	0	
##	CSI065	0	0	0	0	0.000000e+00	0	
##	CSI076	0	0	0	0	0.000000e+00	0	
##		Otu12602	Otu12603	Otu12604	Otu12605	Otu12606	Otu12607	
##	CSI001	2.345326e-05	2.345326e-05	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0.000000e+00	0	0	3.782005e-05	0	
##	CSI076	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##		Otu12608	Otu12609	Otu12610	Otu12611	Otu12612	Otu12613	Otu12614
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12615	Otu12616	Otu12617	Otu12618	Otu12619	Otu12620	Otu12621
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12622	Otu12623	Otu12624	Otu12625	Otu12626	Otu12627	Otu12628
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	5.781349e-05	0	0
##		Otu12629	Otu12630	Otu12631	Otu12632	Otu12633	Otu12634	Otu12635
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12636	Otu12637	Otu12638	Otu12639	Otu12640	Otu12641	Otu12642
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		Otu12643	Otu12644	Otu12645	Otu12646	Otu12647	Otu12648	Otu12649

##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12650	Otu12651	Otu12652	Otu12653	Otu12654	Otu12655	Otu12656
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12657	Otu12658	Otu12659	Otu12660	Otu12661	Otu12662	Otu12663
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12664	Otu12665	Otu12666	Otu12667	Otu12668	Otu12669	Otu12670
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12671	Otu12672	Otu12673	Otu12674	Otu12675	Otu12676	Otu12677
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		Otu12678	Otu12679	Otu12680	Otu12681	Otu12682	Otu12683	Otu12684
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12685	Otu12686	Otu12687	Otu12688	Otu12689	Otu12690	
##	CSI001	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI012	1.724971e-05	0	0	3.449941e-05	0	0	
##	CSI022	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI044	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI055	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI065	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0	

##	CSI076	0.000000e+00	0	0	0.000000e+00	0	0
##		Otu12691	Otu12692	Otu12693	Otu12694	Otu12695	Otu12696
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu12698	Otu12699	Otu12700	Otu12701	Otu12702	Otu12703
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		Otu12705	Otu12706	Otu12707	Otu12708	Otu12709	Otu12710
##	CSI001	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	1.724971e-05
##	CSI022	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0.000000e+00
##		Otu12712	Otu12713	Otu12714	Otu12715	Otu12716	Otu12717
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu12719	Otu12720	Otu12721	Otu12722	Otu12723	Otu12724
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		Otu12726	Otu12727	Otu12728	Otu12729	Otu12730	Otu12731
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		Otu12733	Otu12734	Otu12735	Otu12736	Otu12737	Otu12738
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12740	Otu12741	Otu12742	Otu12743	Otu12744	Otu12745	Otu12746	
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	2.151556e-05	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##	Otu12747	Otu12748	Otu12749	Otu12750	Otu12751	Otu12752	Otu12753	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12754	Otu12755	Otu12756	Otu12757	Otu12758	Otu12759	Otu12760	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12761	Otu12762	Otu12763	Otu12764	Otu12765	Otu12766	Otu12767	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12768	Otu12769	Otu12770	Otu12771	Otu12772	Otu12773	Otu12774	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12775	Otu12776	Otu12777	Otu12778	Otu12779	Otu12780	Otu12781	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12782	Otu12783	Otu12784	Otu12785	Otu12786	Otu12787	Otu12788	
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0

##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	5.781349e-05	0	0
##	Otu12789	Otu12790	Otu12791	Otu12792	Otu12793	Otu12794	Otu12795	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12796	Otu12797	Otu12798	Otu12799	Otu12800	Otu12801	Otu12802	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12803	Otu12804	Otu12805	Otu12806	Otu12807	Otu12808	Otu12809	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12810	Otu12811	Otu12812	Otu12813	Otu12814	Otu12815	Otu12816	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu12817	Otu12818	Otu12819	Otu12820	Otu12821	Otu12822	Otu12823	
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##	Otu12824	Otu12825	Otu12826	Otu12827	Otu12828	Otu12829		
##	CSI001	0	0.000000e+00	0	4.690652e-05	0	0	
##	CSI012	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI022	0	4.303111e-05	0	0.000000e+00	0	0	
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0	
##	Otu12830	Otu12831	Otu12832	Otu12833	Otu12834	Otu12835	Otu12836	

##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	3.449941e-05	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu12837	0tu12838	0tu12839	0tu12840	0tu12841	0tu12842	0tu12843
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12844	0tu12845	0tu12846	0tu12847	0tu12848	0tu12849	0tu12850
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu12851	0tu12852	0tu12853	0tu12854	0tu12855	0tu12856	0tu12857
##	CSI001	0	4.690652e-05	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		0tu12858	0tu12859	0tu12860	0tu12861	0tu12862	0tu12863	0tu12864
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	4.302833e-05	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu12865	0tu12866	0tu12867	0tu12868	0tu12869	0tu12870	0tu12871
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12872	0tu12873	0tu12874	0tu12875	0tu12876	0tu12877	0tu12878
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0

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## CSI076      0      0      0      0 0.000000e+00      0      0
##      0tu12879 0tu12880 0tu12881      0tu12882 0tu12883 0tu12884 0tu12885
## CSI001      0      0      0 0.000000e+00      0      0      0
## CSI012      0      0      0 0.000000e+00      0      0      0
## CSI022      0      0      0 0.000000e+00      0      0      0
## CSI044      0      0      0 0.000000e+00      0      0      0
## CSI055      0      0      0 0.000000e+00      0      0      0
## CSI065      0      0      0 0.000000e+00      0      0      0
## CSI076      0      0      0 5.781349e-05      0      0      0
##      0tu12886 0tu12887 0tu12888 0tu12889      0tu12890 0tu12891 0tu12892
## CSI001      0      0      0      0 0.000000e+00      0      0
## CSI012      0      0      0      0 0.000000e+00      0      0
## CSI022      0      0      0      0 0.000000e+00      0      0
## CSI044      0      0      0      0 0.000000e+00      0      0
## CSI055      0      0      0      0 0.000000e+00      0      0
## CSI065      0      0      0      0 0.000000e+00      0      0
## CSI076      0      0      0      0 0.000000e+00      0      0
##      0tu12893 0tu12894 0tu12895 0tu12896 0tu12897 0tu12898 0tu12899
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 2.151556e-05      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu12900      0tu12901 0tu12902 0tu12903 0tu12904 0tu12905
## CSI001 0.000000e+00 0.000000e+00      0      0      0      0
## CSI012 0.000000e+00 1.724971e-05      0      0      0      0
## CSI022 0.000000e+00 0.000000e+00      0      0      0      0
## CSI044 0.000000e+00 0.000000e+00      0      0      0      0
## CSI055 0.000000e+00 0.000000e+00      0      0      0      0
## CSI065 0.000000e+00 0.000000e+00      0      0      0      0
## CSI076 0.000000e+00 0.000000e+00      0      0      0      0
##      0tu12906 0tu12907 0tu12908 0tu12909 0tu12910 0tu12911 0tu12912
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu12913 0tu12914 0tu12915 0tu12916 0tu12917 0tu12918 0tu12919
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu12920 0tu12921 0tu12922 0tu12923 0tu12924 0tu12925      0tu12926
## CSI001      0      0      0      0      0      0 2.345326e-05
## CSI012      0      0      0      0      0      0 0.000000e+00
## CSI022      0      0      0      0      0      0 0.000000e+00
## CSI044      0      0      0      0      0      0 0.000000e+00

```

##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		Otu12927	Otu12928	Otu12929	Otu12930	Otu12931	Otu12932	Otu12933
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	4.302833e-05	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		Otu12934	Otu12935	Otu12936	Otu12937	Otu12938	Otu12939	Otu12940
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		Otu12941	Otu12942	Otu12943	Otu12944	Otu12945	Otu12946	Otu12947
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12948	Otu12949	Otu12950	Otu12951	Otu12952	Otu12953	Otu12954
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	3.449941e-05	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		Otu12955	Otu12956	Otu12957	Otu12958	Otu12959	Otu12960	
##	CSI001	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI012	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI022	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI044	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI055	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI065	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI076	0.000000e+00	0	0	0	0.000000e+00	0	
##		Otu12961	Otu12962	Otu12963	Otu12964	Otu12965	Otu12966	Otu12967
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu12968	Otu12969	Otu12970	Otu12971	Otu12972	Otu12973	Otu12974
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12975	0tu12976	0tu12977	0tu12978	0tu12979	0tu12980	0tu12981
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12982	0tu12983	0tu12984	0tu12985	0tu12986	0tu12987	0tu12988
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12989	0tu12990	0tu12991	0tu12992	0tu12993	0tu12994	0tu12995
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu12996	0tu12997	0tu12998	0tu12999	0tu13000	0tu13001	0tu13002
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	2.151556e-05	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu13003	0tu13004	0tu13005	0tu13006	0tu13007	0tu13008	0tu13009
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	1.724971e-05	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		0tu13010	0tu13011	0tu13012	0tu13013	0tu13014	0tu13015	0tu13016
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu13017	0tu13018	0tu13019	0tu13020	0tu13021	0tu13022	

##	CSI001	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0.000000e+00
##		0tu13023	0tu13024	0tu13025	0tu13026	0tu13027	0tu13028
##	CSI001	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI012	1.724971e-05	0	0.000000e+00	0	0	0
##	CSI022	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI044	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI055	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI065	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI076	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu13029	0tu13030	0tu13031	0tu13032	0tu13033	0tu13034
##	CSI001	0.000000e+00	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0
##		0tu13036	0tu13037	0tu13038	0tu13039	0tu13040	0tu13041
##	CSI001	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	3.449941e-05
##	CSI022	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0.000000e+00
##		0tu13043	0tu13044	0tu13045	0tu13046	0tu13047	0tu13048
##	CSI001	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	4.302833e-05	0
##	CSI065	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0.000000e+00	0
##		0tu13050	0tu13051	0tu13052	0tu13053	0tu13054	0tu13055
##	CSI001	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0
##		0tu13057	0tu13058	0tu13059	0tu13060	0tu13061	0tu13062
##	CSI001	0	0	0.000000e+00	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0
##	CSI055	0	0	4.302833e-05	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0

##	CSI076	0	0	0.000000e+00	0	0	0	0
##		Otu13064	Otu13065	Otu13066	Otu13067	Otu13068	Otu13069	Otu13070
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13071	Otu13072	Otu13073	Otu13074	Otu13075	Otu13076	Otu13077
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13078	Otu13079	Otu13080	Otu13081	Otu13082	Otu13083	Otu13084
##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	0.000000e+00	0	0	0	0	0
##		Otu13085	Otu13086	Otu13087	Otu13088	Otu13089	Otu13090	Otu13091
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13092	Otu13093	Otu13094	Otu13095	Otu13096	Otu13097	
##	CSI001	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI012	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI022	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI044	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI055	0	0	0	0.000000e+00	0	4.302833e-05	
##	CSI065	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI076	0	0	0	0.000000e+00	0	0.000000e+00	
##		Otu13098	Otu13099	Otu13100	Otu13101	Otu13102	Otu13103	Otu13104
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13105	Otu13106	Otu13107	Otu13108	Otu13109	Otu13110	Otu13111
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13112	Otu13113	Otu13114	Otu13115	Otu13116	Otu13117	Otu13118
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13119	Otu13120	Otu13121	Otu13122	Otu13123	Otu13124	Otu13125
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13126	Otu13127	Otu13128	Otu13129	Otu13130	Otu13131	Otu13132
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13133	Otu13134	Otu13135	Otu13136	Otu13137	Otu13138	
##	CSI001	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI012	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI022	0	2.151556e-05	0	0.000000e+00	0	0	
##	CSI044	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI076	0	0.000000e+00	0	5.781349e-05	0	0	
##		Otu13139	Otu13140	Otu13141	Otu13142	Otu13143	Otu13144	Otu13145
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13146	Otu13147	Otu13148	Otu13149	Otu13150	Otu13151	
##	CSI001	0	0.000000e+00	0	0	0	4.690652e-05	
##	CSI012	0	3.449941e-05	0	0	0	0.000000e+00	
##	CSI022	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI044	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI055	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI065	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI076	0	0.000000e+00	0	0	0	0.000000e+00	
##		Otu13152	Otu13153	Otu13154	Otu13155	Otu13156	Otu13157	
##	CSI001	0	0	0.000000e+00	0	0	0	
##	CSI012	0	0	0.000000e+00	0	0	0	

##	CSI022	0	0	0.000000e+00	0	0	0	
##	CSI044	0	0	0.000000e+00	0	0	0	
##	CSI055	0	0	0.000000e+00	0	0	0	
##	CSI065	0	0	0.000000e+00	0	0	0	
##	CSI076	0	0	0.000000e+00	0	0	0	
##		0tu13158	0tu13159	0tu13160	0tu13161	0tu13162	0tu13163	0tu13164
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	4.303111e-05	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	0.000000e+00	0	0	0	0	0	0
##		0tu13165	0tu13166	0tu13167	0tu13168	0tu13169	0tu13170	0tu13171
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	0.000000e+00	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		0tu13172	0tu13173	0tu13174	0tu13175	0tu13176	0tu13177	0tu13178
##	CSI001	0	0	0	0	0.000000e+00	0	0
##	CSI012	0	0	0	0	0.000000e+00	0	0
##	CSI022	0	0	0	0	0.000000e+00	0	0
##	CSI044	0	0	0	0	0.000000e+00	0	0
##	CSI055	0	0	0	0	0.000000e+00	0	0
##	CSI065	0	0	0	0	0.000000e+00	0	0
##	CSI076	0	0	0	0	0.000000e+00	0	0
##		0tu13179	0tu13180	0tu13181	0tu13182	0tu13183	0tu13184	0tu13185
##	CSI001	0	0	0	0	0	0	0.000000e+00
##	CSI012	0	0	0	0	0	0	3.449941e-05
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00
##	CSI076	0	0	0	0	0	0	0.000000e+00
##		0tu13186	0tu13187	0tu13188	0tu13189	0tu13190	0tu13191	0tu13192
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		0tu13193	0tu13194	0tu13195	0tu13196	0tu13197	0tu13198	
##	CSI001	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI012	0	3.449941e-05	0	0.000000e+00	0	0	
##	CSI022	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI044	0	0.000000e+00	0	3.94314e-05	0	0	
##	CSI055	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI065	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI076	0	0.000000e+00	0	0.000000e+00	0	0	
##		0tu13199	0tu13200	0tu13201	0tu13202	0tu13203	0tu13204	0tu13205

##	CSI001	0	0.000000e+00	0	0	0	0	0
##	CSI012	0	0.000000e+00	0	0	0	0	0
##	CSI022	0	0.000000e+00	0	0	0	0	0
##	CSI044	0	0.000000e+00	0	0	0	0	0
##	CSI055	0	0.000000e+00	0	0	0	0	0
##	CSI065	0	0.000000e+00	0	0	0	0	0
##	CSI076	0	5.781349e-05	0	0	0	0	0
##		Otu13206	Otu13207	Otu13208	Otu13209	Otu13210	Otu13211	
##	CSI001	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI012	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0	0	0.000000e+00	0	2.151556e-05	0	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI076	0	0	0.000000e+00	0	0.000000e+00	0	
##		Otu13212	Otu13213	Otu13214	Otu13215	Otu13216	Otu13217	Otu13218
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13219	Otu13220	Otu13221	Otu13222	Otu13223	Otu13224	Otu13225
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13226	Otu13227	Otu13228	Otu13229	Otu13230	Otu13231	Otu13232
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13233	Otu13234	Otu13235	Otu13236	Otu13237	Otu13238	Otu13239
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13240	Otu13241	Otu13242	Otu13243	Otu13244	Otu13245	Otu13246
##	CSI001	0	0	0	0	0	0	4.690652e-05
##	CSI012	0	0	0	0	0	0	0.000000e+00
##	CSI022	0	0	0	0	0	0	0.000000e+00
##	CSI044	0	0	0	0	0	0	0.000000e+00
##	CSI055	0	0	0	0	0	0	0.000000e+00
##	CSI065	0	0	0	0	0	0	0.000000e+00

##	CSI076	0	0	0	0	0	0	0.000000e+00
##		Otu13247	Otu13248	Otu13249	Otu13250	Otu13251	Otu13252	Otu13253
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13254	Otu13255	Otu13256	Otu13257	Otu13258	Otu13259	Otu13260
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13261	Otu13262	Otu13263	Otu13264	Otu13265	Otu13266	Otu13267
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13268	Otu13269	Otu13270	Otu13271	Otu13272	Otu13273	Otu13274
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13275	Otu13276	Otu13277	Otu13278	Otu13279	Otu13280	Otu13281
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	4.302833e-05	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu13282	Otu13283	Otu13284	Otu13285	Otu13286	Otu13287	Otu13288
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13289	Otu13290	Otu13291	Otu13292	Otu13293	Otu13294	Otu13295
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0

##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu13296	Otu13297	Otu13298	Otu13299	Otu13300	Otu13301	Otu13302	
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##	Otu13303	Otu13304	Otu13305	Otu13306	Otu13307	Otu13308	Otu13309	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu13310	Otu13311	Otu13312	Otu13313	Otu13314	Otu13315	Otu13316	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu13317	Otu13318	Otu13319	Otu13320	Otu13321	Otu13322	Otu13323	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu13324	Otu13325	Otu13326	Otu13327	Otu13328	Otu13329	Otu13330	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu13331	Otu13332	Otu13333	Otu13334	Otu13335	Otu13336	Otu13337	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##	Otu13338	Otu13339	Otu13340	Otu13341	Otu13342	Otu13343	Otu13344	
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0

```

## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu13345      0tu13346 0tu13347 0tu13348 0tu13349 0tu13350
## CSI001 0.000000e+00 0.000000e+00      0      0      0      0
## CSI012 1.724971e-05 0.000000e+00      0      0      0      0
## CSI022 0.000000e+00 0.000000e+00      0      0      0      0
## CSI044 0.000000e+00 0.000000e+00      0      0      0      0
## CSI055 0.000000e+00 0.000000e+00      0      0      0      0
## CSI065 0.000000e+00 0.000000e+00      0      0      0      0
## CSI076 0.000000e+00 0.000000e+00      0      0      0      0
##      0tu13351 0tu13352 0tu13353 0tu13354 0tu13355 0tu13356      0tu13357
## CSI001      0      0      0      0      0      0 0.000000e+00
## CSI012      0      0      0      0      0      0 0.000000e+00
## CSI022      0      0      0      0      0      0 0.000000e+00
## CSI044      0      0      0      0      0      0 0.000000e+00
## CSI055      0      0      0      0      0      0 0.000000e+00
## CSI065      0      0      0      0      0      0 0.000000e+00
## CSI076      0      0      0      0      0      0 0.000000e+00
##      0tu13358 0tu13359      0tu13360 0tu13361 0tu13362 0tu13363
## CSI001      0      0 0.000000e+00      0      0      0
## CSI012      0      0 0.000000e+00      0      0      0
## CSI022      0      0 0.000000e+00      0      0      0
## CSI044      0      0 0.000000e+00      0      0      0
## CSI055      0      0 0.000000e+00      0      0      0
## CSI065      0      0 0.000000e+00      0      0      0
## CSI076      0      0 0.000000e+00      0      0      0
##      0tu13364 0tu13365 0tu13366 0tu13367 0tu13368 0tu13369 0tu13370
## CSI001 0.000000e+00      0      0      0      0      0      0
## CSI012 0.000000e+00      0      0      0      0      0      0
## CSI022 0.000000e+00      0      0      0      0      0      0
## CSI044 0.000000e+00      0      0      0      0      0      0
## CSI055 0.000000e+00      0      0      0      0      0      0
## CSI065 0.000000e+00      0      0      0      0      0      0
## CSI076 0.000000e+00      0      0      0      0      0      0
##      0tu13371 0tu13372 0tu13373 0tu13374 0tu13375 0tu13376 0tu13377
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu13378 0tu13379 0tu13380 0tu13381 0tu13382 0tu13383 0tu13384
## CSI001      0      0      0      0      0      0      0
## CSI012      0      0      0      0      0      0      0
## CSI022      0      0      0      0      0      0      0
## CSI044      0      0      0      0      0      0      0
## CSI055      0      0      0      0      0      0      0
## CSI065      0      0      0      0      0      0      0
## CSI076      0      0      0      0      0      0      0
##      0tu13385 0tu13386      0tu13387 0tu13388 0tu13389 0tu13390 0tu13391

```

##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		Otu13392	Otu13393	Otu13394	Otu13395	Otu13396	Otu13397	Otu13398
##	CSI001	0.000000e+00	0	0	0	0	0	0
##	CSI012	0.000000e+00	0	0	0	0	0	0
##	CSI022	0.000000e+00	0	0	0	0	0	0
##	CSI044	0.000000e+00	0	0	0	0	0	0
##	CSI055	0.000000e+00	0	0	0	0	0	0
##	CSI065	0.000000e+00	0	0	0	0	0	0
##	CSI076	2.890675e-05	0	0	0	0	0	0
##		Otu13399	Otu13400	Otu13401	Otu13402	Otu13403	Otu13404	Otu13405
##	CSI001	0	0	0	0	0	0.000000e+00	0
##	CSI012	0	0	0	0	0	0.000000e+00	0
##	CSI022	0	0	0	0	0	0.000000e+00	0
##	CSI044	0	0	0	0	0	0.000000e+00	0
##	CSI055	0	0	0	0	0	4.302833e-05	0
##	CSI065	0	0	0	0	0	0.000000e+00	0
##	CSI076	0	0	0	0	0	0.000000e+00	0
##		Otu13406	Otu13407	Otu13408	Otu13409	Otu13410	Otu13411	Otu13412
##	CSI001	0	0	0	0	0	0	0
##	CSI012	0	0	0	0	0	0	0
##	CSI022	0	0	0	0	0	0	0
##	CSI044	0	0	0	0	0	0	0
##	CSI055	0	0	0	0	0	0	0
##	CSI065	0	0	0	0	0	0	0
##	CSI076	0	0	0	0	0	0	0
##		Otu13413	Otu13414	Otu13415	Otu13416	Otu13417	Otu13418	Otu13419
##	CSI001	0	0	2.345326e-05	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	0.000000e+00	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		Otu13420	Otu13421	Otu13422	Otu13423	Otu13424	Otu13425	Otu13426
##	CSI001	0	0	0.000000e+00	0	0	0	0
##	CSI012	0	0	0.000000e+00	0	0	0	0
##	CSI022	0	0	0.000000e+00	0	0	0	0
##	CSI044	0	0	3.94314e-05	0	0	0	0
##	CSI055	0	0	0.000000e+00	0	0	0	0
##	CSI065	0	0	0.000000e+00	0	0	0	0
##	CSI076	0	0	0.000000e+00	0	0	0	0
##		Otu13427	Otu13428	Otu13429	Otu13430	Otu13431	Otu13432	
##	CSI001	0	0	0.000000e+00	0	4.690652e-05	0	
##	CSI012	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI022	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI044	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI055	0	0	2.151417e-05	0	0.000000e+00	0	
##	CSI065	0	0	0.000000e+00	0	0.000000e+00	0	

```

## CSI076      0      0 0.000000e+00      0 0.000000e+00      0
##      0tu13433 0tu13434 0tu13435
## CSI001      0      0      0
## CSI012      0      0      0
## CSI022      0      0      0
## CSI044      0      0      0
## CSI055      0      0      0
## CSI065      0      0      0
## CSI076      0      0      0
## [ reached getoptOption("max.print") -- omitted 4 rows ]

##      CSI_ID      Date Date2 Replicate Number      Tank_Name
## CSI002 ECU_CSI_002 11-Jun-15      0      A      2 A2_2015-June11
## CSI013 ECU_CSI_013 11-Jun-15      0      B      2 B2_2015-June11
## CSI023 ECU_CSI_024 11-Jun-15      0      C      2 C2_2015-June11
## CSI034 ECU_CSI_035 11-Jun-15      0      D      2 D2_2015-June11
## CSI045 ECU_CSI_222 26-Jul-15      45      A      2 A2_2015-July25
## CSI056 ECU_CSI_233 26-Jul-15      45      B      2 B2_2015-July25
## CSI066 ECU_CSI_244 26-Jul-15      45      C      2 C2_2015-July25
##      Salinity Dispersal      0tu00001      0tu00002      0tu00003
## CSI002      0      Source0 1.362194e-03 0.1502363406 1.362194e-05
## CSI013      0      Source0 8.309098e-04 0.1535265731 3.195807e-05
## CSI023      0      Source0 1.632820e-04 0.1221349117 4.082049e-05
## CSI034      0      Source0 1.326436e-03 0.0559945427 5.684725e-05
## CSI045      0      Source0 9.795279e-05 0.0444379143 0.000000e+00
## CSI056      0      Source0 1.959286e-05 0.0027234076 1.959286e-05
## CSI066      0      Source0 1.150108e-04 0.0314554621 1.916847e-05
##      0tu00004      0tu00005      0tu00006      0tu00007      0tu00008
## CSI002 1.682990e-01 4.086581e-05 0.0164008119 6.524908e-03 0.0059391644
## CSI013 1.821610e-03 6.391614e-05 0.0487999744 8.660637e-03 0.0083410565
## CSI023 0.000000e+00 2.041025e-05 0.0085314828 1.894071e-02 0.2008980508
## CSI034 1.421181e-03 1.136945e-04 0.0425596422 1.690258e-02 0.0121463627
## CSI045 0.000000e+00 3.265093e-05 0.0051588468 6.931792e-02 0.0249126588
## CSI056 3.918572e-05 5.877858e-05 0.0003526715 4.862948e-02 0.0004310429
## CSI066 5.367172e-04 1.916847e-05 0.0009392551 4.824704e-02 0.0018785102
##      0tu00009      0tu00010      0tu00011      0tu00012      0tu00013
## CSI002 2.016047e-03 1.362194e-05 1.362194e-05 0.000000e+00 0.004808544
## CSI013 9.587421e-05 0.000000e+00 0.000000e+00 0.000000e+00 0.007669937
## CSI023 2.041025e-05 0.000000e+00 0.000000e+00 0.000000e+00 0.018961118
## CSI034 1.136945e-04 0.000000e+00 1.894908e-05 0.000000e+00 0.019725996
## CSI045 1.406602e-01 3.265093e-05 0.000000e+00 3.265093e-05 0.023018905
## CSI056 3.742236e-03 0.000000e+00 1.959286e-05 0.000000e+00 0.015948588
## CSI066 2.110449e-02 1.916847e-05 0.000000e+00 0.000000e+00 0.031072093
##      0tu00014      0tu00015      0tu00016      0tu00017      0tu00018
## CSI002 0.000000e+00 2.724387e-05 0.000000e+00 1.961559e-02 2.724387e-05
## CSI013 3.195807e-05 0.000000e+00 9.587421e-05 3.195807e-05 3.195807e-05
## CSI023 2.041025e-05 0.000000e+00 0.000000e+00 1.264415e-01 0.000000e+00
## CSI034 1.894908e-05 0.000000e+00 0.000000e+00 1.724367e-03 0.000000e+00
## CSI045 6.530186e-05 0.000000e+00 0.000000e+00 3.150815e-02 0.000000e+00
## CSI056 1.959286e-05 0.000000e+00 0.000000e+00 4.277121e-02 9.796430e-05
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00 5.731373e-03 1.916847e-05
##      0tu00019      0tu00020      0tu00021      0tu00022      0tu00023
## CSI002 0.0331149283 0.0089768563 0.000000e+00 1.362194e-05 4.086581e-05
## CSI013 0.0471701128 0.0003515388 0.000000e+00 0.000000e+00 1.278323e-04

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## CSI023 0.0041432799 0.1313807531 0.000000e+00 0.000000e+00 4.082049e-05
## CSI034 0.0231178823 0.0192712182 1.894908e-05 1.894908e-05 1.326436e-04
## CSI045 0.0005550658 0.0127991641 0.000000e+00 0.000000e+00 3.265093e-05
## CSI056 0.0018025432 0.0000000000 0.000000e+00 0.000000e+00 1.959286e-05
## CSI066 0.0032011348 0.0032969771 7.667389e-05 1.916847e-05 2.683586e-04
##      0tu00024      0tu00025      0tu00026      0tu00027      0tu00028
## CSI002 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 5.040117e-04
## CSI013 3.195807e-05 0.000000e+00 0.000000e+00 0.000000e+00 9.907002e-04
## CSI023 0.000000e+00 2.041025e-05 0.000000e+00 2.041025e-05 3.877947e-04
## CSI034 3.789817e-05 0.000000e+00 0.000000e+00 5.684725e-05 3.789817e-04
## CSI045 3.265093e-05 0.000000e+00 8.802690e-02 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00 1.959286e-05 0.000000e+00 0.000000e+00 3.918572e-05
## CSI066 0.000000e+00 0.000000e+00 1.326458e-02 3.833694e-05 0.000000e+00
##      0tu00029      0tu00030      0tu00031 0tu00032      0tu00033
## CSI002 4.086581e-05 6.704717e-02 1.408508e-02      0 1.819891e-02
## CSI013 0.000000e+00 4.109808e-02 3.195807e-05      0 4.074654e-02
## CSI023 2.041025e-05 1.455251e-02 5.055618e-02      0 8.021227e-03
## CSI034 0.000000e+00 2.349686e-03 3.031853e-04      0 1.110985e-01
## CSI045 0.000000e+00 8.358638e-03 5.550658e-04      0 0.000000e+00
## CSI056 0.000000e+00 5.877858e-05 1.175572e-04      0 3.330786e-04
## CSI066 0.000000e+00 6.325596e-04 2.091280e-02      0 3.833694e-05
##      0tu00034      0tu00035      0tu00036 0tu00037      0tu00038
## CSI002 0.000000e+00 0.000000e+00 0.0027243874      0 0.000000e+00
## CSI013 0.000000e+00 0.000000e+00 0.0002556646      0 3.195807e-05
## CSI023 0.000000e+00 0.000000e+00 0.0005918971      0 0.000000e+00
## CSI034 0.000000e+00 1.894908e-05 0.0054952343      0 0.000000e+00
## CSI045 0.000000e+00 0.000000e+00 0.0002612074      0 0.000000e+00
## CSI056 0.000000e+00 0.000000e+00 0.0010580145      0 1.959286e-05
## CSI066 0.000000e+00 3.833694e-05 0.0078782419      0 0.000000e+00
##      0tu00039      0tu00040      0tu00041      0tu00042      0tu00043
## CSI002 0.000000e+00 0.0027516312 2.724387e-05 0.003378240 0.0086499298
## CSI013 0.000000e+00 0.0031318910 0.000000e+00 0.005848327 0.0043782557
## CSI023 0.000000e+00 0.0002653332 0.000000e+00 0.001040923 0.0069394836
## CSI034 1.894908e-05 0.0071817028 3.789817e-05 0.005229947 0.0079396661
## CSI045 0.000000e+00 0.1168250237 0.000000e+00 0.004571130 0.0043099226
## CSI056 0.000000e+00 0.0004114501 0.000000e+00 0.044750093 0.0035854934
## CSI066 0.000000e+00 0.0517740421 0.000000e+00 0.015277272 0.0050221396
##      0tu00044      0tu00045 0tu00046      0tu00047 0tu00048
## CSI002 1.362194e-05 0.000000e+00      0 0.000000e+00      0
## CSI013 0.000000e+00 3.195807e-05      0 0.000000e+00      0
## CSI023 0.000000e+00 2.041025e-05      0 0.000000e+00      0
## CSI034 1.894908e-05 0.000000e+00      0 1.894908e-05      0
## CSI045 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI056 5.877858e-05 0.000000e+00      0 0.000000e+00      0
## CSI066 0.000000e+00 0.000000e+00      0 0.000000e+00      0
##      0tu00049      0tu00050      0tu00051      0tu00052      0tu00053
## CSI002 0.0013485717 0.0012395962 3.909496e-03 0.001798096 0.000000e+00
## CSI013 0.0063596561 0.0018216100 7.701895e-03 0.007925602 0.000000e+00
## CSI023 0.0006123074 0.0126747627 1.218492e-02 0.003122768 0.000000e+00
## CSI034 0.0064426885 0.0279309495 2.548652e-02 0.007693328 1.894908e-05
## CSI045 0.0009795279 0.0010121788 1.632546e-03 0.000000000 0.000000e+00
## CSI056 0.0616195458 0.0009796430 6.602794e-03 0.001371500 0.000000e+00
## CSI066 0.0020126895 0.0018210048 1.853591e-02 0.000000000 0.000000e+00
##      0tu00054      0tu00055      0tu00056      0tu00057      0tu00058

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## CSI002 2.724387e-05 0.000000e+00 0.000000e+00 1.362194e-05 0.000000e+00
## CSI013 6.391614e-05 0.000000e+00 0.000000e+00 0.000000e+00 3.195807e-05
## CSI023 2.041025e-05 2.041025e-05 0.000000e+00 2.041025e-05 0.000000e+00
## CSI034 1.326436e-04 0.000000e+00 0.000000e+00 0.000000e+00 3.789817e-05
## CSI045 1.972116e-02 0.000000e+00 3.265093e-05 0.000000e+00 0.000000e+00
## CSI056 2.453026e-02 0.000000e+00 0.000000e+00 0.000000e+00 3.918572e-05
## CSI066 2.599245e-02 0.000000e+00 0.000000e+00 0.000000e+00 1.916847e-05
##      0tu00059      0tu00060      0tu00061 0tu00062      0tu00063
## CSI002 6.320579e-03 9.535356e-05 1.634632e-04      0 1.362194e-05
## CSI013 1.728932e-02 5.752453e-04 0.000000e+00      0 0.000000e+00
## CSI023 1.122564e-03 2.041025e-05 0.000000e+00      0 0.000000e+00
## CSI034 2.004813e-02 1.667519e-03 1.894908e-05      0 0.000000e+00
## CSI045 4.571130e-04 9.044307e-03 6.921997e-03      0 0.000000e+00
## CSI056 5.290072e-04 4.192872e-03 2.919336e-03      0 0.000000e+00
## CSI066 2.223543e-03 4.236232e-03 7.519791e-02      0 0.000000e+00
##      0tu00064      0tu00065      0tu00066      0tu00067      0tu00068
## CSI002 0.000000e+00 1.362194e-05 0.000000e+00 0.000000e+00 2.724387e-05
## CSI013 0.000000e+00 0.000000e+00 3.195807e-05 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00 1.894908e-05 1.326436e-04 0.000000e+00 0.000000e+00
## CSI045 0.000000e+00 0.000000e+00 6.530186e-05 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00 1.959286e-05 3.722643e-04 0.000000e+00 0.000000e+00
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu00069      0tu00070      0tu00071      0tu00072      0tu00073
## CSI002 0.000000e+00 2.724387e-05 1.362194e-05 0.0001770852 1.089755e-04
## CSI013 6.391614e-05 0.000000e+00 3.195807e-05 0.0000000000 3.195807e-05
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00
## CSI034 1.894908e-05 1.894908e-05 1.894908e-05 0.0000000000 0.000000e+00
## CSI045 1.632546e-04 0.000000e+00 0.000000e+00 0.0000000000 3.265093e-05
## CSI056 0.000000e+00 1.959286e-05 3.918572e-05 0.0000000000 0.000000e+00
## CSI066 1.136690e-02 1.341793e-04 3.833694e-05 0.0000000000 1.916847e-05
##      0tu00074      0tu00075      0tu00076      0tu00077 0tu00078
## CSI002 0.000000e+00 1.362194e-05 0.000000e+00 0.000000e+00      0
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI023 3.571793e-03 0.000000e+00 0.000000e+00 4.082049e-05      0
## CSI034 3.789817e-05 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI045 1.234205e-02 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI056 5.184271e-02 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI066 1.150108e-04 0.000000e+00 1.916847e-05 0.000000e+00      0
##      0tu00079      0tu00080 0tu00081      0tu00082 0tu00083
## CSI002 2.996826e-04 0.000000e+00      0 1.089755e-04      0
## CSI013 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI023 8.164098e-05 0.000000e+00      0 2.041025e-05      0
## CSI034 0.000000e+00 0.000000e+00      0 1.515927e-04      0
## CSI045 3.265093e-05 0.000000e+00      0 3.265093e-04      0
## CSI056 0.000000e+00 0.000000e+00      0 1.959286e-05      0
## CSI066 9.584236e-05 0.000000e+00      0 2.593494e-02      0
##      0tu00084 0tu00085      0tu00086      0tu00087      0tu00088
## CSI002 1.716364e-03      0 0.000000e+00 0.0000000000 5.036030e-02
## CSI013 9.587421e-05      0 3.195807e-05 0.0000000000 1.262344e-02
## CSI023 0.000000e+00      0 0.000000e+00 0.0000000000 3.784060e-02
## CSI034 2.103348e-03      0 0.000000e+00 0.0000000000 1.894908e-05
## CSI045 7.803572e-03      0 0.000000e+00 0.0000000000 9.795279e-05
## CSI056 2.488293e-03      0 0.000000e+00 0.0000000000 0.000000e+00

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## CSI066 5.313500e-02      0 0.000000e+00 0.007609883 9.584236e-05
##      0tu00089      0tu00090      0tu00091      0tu00092      0tu00093
## CSI002 0.000000e+00 8.173162e-05 2.451949e-04 0.000000e+00 0.0006402310
## CSI013 1.342239e-03 7.669937e-04 0.000000e+00 0.000000e+00 0.0307756224
## CSI023 1.632820e-04 1.004184e-02 0.000000e+00 0.000000e+00 0.0001428717
## CSI034 1.894908e-05 2.785515e-03 2.273890e-04 1.894908e-05 0.0000000000
## CSI045 2.416169e-03 1.534594e-03 1.208084e-03 0.000000e+00 0.0045058282
## CSI056 2.155215e-04 4.898215e-04 8.268187e-03 0.000000e+00 0.0015282431
## CSI066 3.450325e-04 1.073434e-03 5.309667e-03 0.000000e+00 0.0053671721
##      0tu00094 0tu00095      0tu00096      0tu00097 0tu00098 0tu00099
## CSI002 0.000000e+00      0 0.000000e+00 1.362194e-05      0      0
## CSI013 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI034 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI056 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI066 1.916847e-05      0 0.000000e+00 0.000000e+00      0      0
##      0tu00100      0tu00101      0tu00102      0tu00103      0tu00104
## CSI002 0.000000e+00 2.724387e-05 0.000000e+00 1.362194e-05 0.0039503617
## CSI013 0.000000e+00 3.195807e-05 0.000000e+00 2.876226e-04 0.0097791697
## CSI023 0.000000e+00 0.000000e+00 2.041025e-05 0.000000e+00 0.0142871722
## CSI034 1.894908e-05 0.000000e+00 1.894908e-05 3.410835e-04 0.0071059064
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0138439939
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00 1.273536e-03 0.0022139932
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.0087599916
##      0tu00105      0tu00106      0tu00107      0tu00108 0tu00109
## CSI002 2.152266e-03 1.362194e-05 0.0000000000 1.362194e-05      0
## CSI013 4.825669e-03 0.000000e+00 0.0001278323 1.607491e-02      0
## CSI023 4.082049e-05 0.000000e+00 0.0000000000 4.592305e-03      0
## CSI034 7.295397e-03 0.000000e+00 0.0000000000 1.136945e-04      0
## CSI045 2.612074e-03 0.000000e+00 0.0736278447 0.000000e+00      0
## CSI056 1.371500e-03 0.000000e+00 0.0155371383 4.702286e-04      0
## CSI066 2.760260e-03 0.000000e+00 0.0012076137 3.833694e-05      0
##      0tu00110      0tu00111      0tu00112      0tu00113      0tu00114
## CSI002 1.362194e-05 4.658702e-03 8.173162e-05 2.724387e-05 0.000000e+00
## CSI013 3.195807e-05 1.278323e-04 7.030776e-04 7.094692e-03 0.000000e+00
## CSI023 2.041025e-05 2.694152e-03 1.245025e-03 5.102561e-04 2.041025e-05
## CSI034 0.000000e+00 2.463381e-04 9.853524e-04 0.000000e+00 0.000000e+00
## CSI045 0.000000e+00 2.938584e-02 1.012179e-03 4.407875e-03 0.000000e+00
## CSI056 0.000000e+00 1.136386e-03 8.033073e-04 6.918239e-02 0.000000e+00
## CSI066 0.000000e+00 1.705994e-03 3.431156e-03 3.814526e-02 0.000000e+00
##      0tu00115      0tu00116      0tu00117      0tu00118 0tu00119
## CSI002 0.000000e+00 0.0077645040 1.430303e-03 3.987141e-02      0
## CSI013 0.000000e+00 0.0063916142 1.661820e-03 9.587421e-05      0
## CSI023 0.000000e+00 0.0007143586 3.265639e-04 0.000000e+00      0
## CSI034 0.000000e+00 0.0070869573 7.958615e-04 3.789817e-05      0
## CSI045 0.000000e+00 0.0013060372 3.918111e-04 3.265093e-05      0
## CSI056 1.959286e-05 0.0013127216 1.829973e-02 0.000000e+00      0
## CSI066 0.000000e+00 0.0033161456 0.000000e+00 0.000000e+00      0
##      0tu00120      0tu00121      0tu00122 0tu00123      0tu00124 0tu00125
## CSI002      0 0.000000e+00 1.266840e-03      0 0.000000e+00      0
## CSI013      0 1.597904e-04 0.000000e+00      0 0.000000e+00      0
## CSI023      0 2.041025e-05 2.245127e-04      0 0.000000e+00      0
## CSI034      0 0.000000e+00 7.579634e-04      0 0.000000e+00      0

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## CSI045      0 0.000000e+00 2.285565e-04      0 0.000000e+00      0
## CSI056      0 0.000000e+00 2.351143e-04      0 1.959286e-05      0
## CSI066      0 2.683586e-03 4.792118e-04      0 0.000000e+00      0
##      0tu00126      0tu00127 0tu00128      0tu00129      0tu00130
## CSI002 0.000000e+00 2.179510e-04      0 8.309381e-04 1.362194e-05
## CSI013 0.000000e+00 1.259148e-02      0 6.391614e-05 0.000000e+00
## CSI023 0.000000e+00 4.082049e-05      0 6.123074e-05 0.000000e+00
## CSI034 1.894908e-05 6.442688e-03      0 9.853524e-04 0.000000e+00
## CSI045 3.265093e-05 6.530186e-05      0 1.861103e-03 0.000000e+00
## CSI056 1.379337e-02 3.918572e-05      0 3.989106e-02 0.000000e+00
## CSI066 3.492496e-02 4.466254e-03      0 1.725162e-04 0.000000e+00
##      0tu00131      0tu00132      0tu00133      0tu00134 0tu00135
## CSI002 2.724387e-05 9.535356e-05 0.000000e+00 2.329351e-03      0
## CSI013 0.000000e+00 1.949442e-03 0.000000e+00 1.917484e-03      0
## CSI023 2.041025e-05 0.000000e+00 0.000000e+00 3.673844e-04      0
## CSI034 1.894908e-04 1.364334e-02 1.894908e-05 4.528831e-03      0
## CSI045 3.591602e-04 7.509714e-04 0.000000e+00 9.795279e-05      0
## CSI056 8.875566e-03 0.000000e+00 5.897451e-03 3.307275e-02      0
## CSI066 1.916847e-05 2.051026e-03 0.000000e+00 1.150108e-04      0
##      0tu00136      0tu00137      0tu00138      0tu00139      0tu00140
## CSI002 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00 2.041025e-05 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00 0.000000e+00 1.894908e-05 1.894908e-05 1.894908e-05
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI066 0.000000e+00 3.450325e-04 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu00141      0tu00142      0tu00143      0tu00144      0tu00145
## CSI002 1.294084e-02 1.362194e-05 6.129872e-04 0.0020569125 0.0000000000
## CSI013 9.044134e-03 3.195807e-05 1.757694e-03 0.0049215429 0.0000000000
## CSI023 2.163486e-03 0.000000e+00 1.632820e-04 0.0003265639 0.0000000000
## CSI034 4.130900e-03 5.684725e-05 1.042200e-03 0.0027665662 0.0000000000
## CSI045 1.959056e-04 6.660789e-03 1.306037e-04 0.0029712345 0.0000000000
## CSI056 1.763357e-04 0.000000e+00 5.877858e-05 0.0006269715 0.0003330786
## CSI066 5.175487e-04 1.040848e-02 6.900650e-04 0.0003833694 0.0009200866
##      0tu00146 0tu00147      0tu00148      0tu00149      0tu00150
## CSI002      0      0 1.294084e-03 1.362194e-05 0.000000e+00
## CSI013      0      0 4.601962e-03 0.000000e+00 0.000000e+00
## CSI023      0      0 6.123074e-05 0.000000e+00 0.000000e+00
## CSI034      0      0 1.771739e-02 0.000000e+00 0.000000e+00
## CSI045      0      0 3.265093e-05 0.000000e+00 0.000000e+00
## CSI056      0      0 1.959286e-05 0.000000e+00 0.000000e+00
## CSI066      0      0 9.584236e-05 0.000000e+00 0.000000e+00
##      0tu00151      0tu00152      0tu00153      0tu00154      0tu00155
## CSI002 1.634632e-03 2.261242e-03 0.000000e+00 0.000000e+00 0.000000e+00
## CSI013 6.391614e-05 2.940143e-03 0.000000e+00 0.000000e+00 0.000000e+00
## CSI023 5.631187e-02 2.857434e-04 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 8.716579e-04 6.158452e-03 1.894908e-05 1.894908e-05 0.000000e+00
## CSI045 0.000000e+00 8.162732e-04 0.000000e+00 3.265093e-05 6.530186e-05
## CSI056 0.000000e+00 1.273536e-03 0.000000e+00 0.000000e+00 0.000000e+00
## CSI066 0.000000e+00 1.744331e-03 0.000000e+00 3.833694e-05 0.000000e+00
##      0tu00156      0tu00157      0tu00158      0tu00159      0tu00160
## CSI002 0.029750310 4.086581e-05 0.0001634632 4.372642e-03 3.119424e-03
## CSI013 0.002269023 0.000000e+00 0.0010865744 1.009875e-02 1.629862e-03

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## CSI023 0.002857434 1.673640e-03 0.0167159914 6.123074e-04 5.510766e-04
## CSI034 0.001042200 0.000000e+00 0.0002842363 7.958615e-03 9.304000e-03
## CSI045 0.000000000 1.306037e-04 0.0003265093 4.571130e-04 1.044830e-03
## CSI056 0.000000000 0.000000e+00 0.0000000000 1.018829e-03 5.094144e-04
## CSI066 0.000000000 1.571815e-03 0.0000000000 7.667389e-05 3.450325e-04
##      0tu00161      0tu00162      0tu00163      0tu00164 0tu00165
## CSI002 0.000000e+00 0.0000000000 1.319966e-02 0.000000e+00      0
## CSI013 0.000000e+00 0.0001917484 1.738519e-02 0.000000e+00      0
## CSI023 0.000000e+00 0.0000000000 2.979896e-03 0.000000e+00      0
## CSI034 0.000000e+00 0.0000000000 2.218938e-02 0.000000e+00      0
## CSI045 0.000000e+00 0.0000000000 6.530186e-05 0.000000e+00      0
## CSI056 0.000000e+00 0.0000000000 7.837144e-05 0.000000e+00      0
## CSI066 0.000000e+00 0.0000000000 1.916847e-05 0.000000e+00      0
##      0tu00166      0tu00167      0tu00168      0tu00169      0tu00170
## CSI002 0.000000e+00 0.000000e+00 0.000000e+00 6.334201e-03 1.437114e-02
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00 4.058675e-03 8.692595e-03
## CSI023 2.041025e-05 3.000306e-03 0.000000e+00 2.408409e-03 9.592816e-04
## CSI034 0.000000e+00 3.221344e-04 0.000000e+00 1.584143e-02 1.557615e-02
## CSI045 0.000000e+00 2.612074e-04 0.000000e+00 4.832337e-03 9.795279e-05
## CSI056 0.000000e+00 2.703815e-03 0.000000e+00 3.918572e-05 7.641216e-04
## CSI066 0.000000e+00 9.584236e-05 0.000000e+00 9.967605e-04 3.450325e-04
##      0tu00171      0tu00172      0tu00173      0tu00174 0tu00175
## CSI002 0.000000e+00 0.000000e+00 0.000000e+00 1.362194e-05      0
## CSI013 3.195807e-05 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI034 0.000000e+00 0.000000e+00 0.000000e+00 1.894908e-05      0
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00 6.530186e-05      0
## CSI056 0.000000e+00 5.877858e-05 3.918572e-05 7.249358e-04      0
## CSI066 0.000000e+00 3.331480e-02 0.000000e+00 3.450325e-04      0
##      0tu00176      0tu00177      0tu00178      0tu00179 0tu00180
## CSI002 0.000000e+00 0.0012804621 2.724387e-05 0.000000e+00      0
## CSI013 0.000000e+00 0.0028442683 0.000000e+00 0.000000e+00      0
## CSI023 0.000000e+00 0.0004082049 2.041025e-05 0.000000e+00      0
## CSI034 0.000000e+00 0.0039224603 1.894908e-05 0.000000e+00      0
## CSI045 0.000000e+00 0.0010448297 1.632546e-03 3.265093e-05      0
## CSI056 0.000000e+00 0.0022923647 1.959286e-05 1.959286e-05      0
## CSI066 0.000000e+00 0.0020893634 0.000000e+00 0.000000e+00      0
##      0tu00181 0tu00182      0tu00183 0tu00184 0tu00185      0tu00186
## CSI002      0      0 1.212352e-03      0      0 0.0057348354
## CSI013      0      0 0.000000e+00      0      0 0.0066153207
## CSI023      0      0 6.123074e-05      0      0 0.0006123074
## CSI034      0      0 1.894908e-05      0      0 0.0061584522
## CSI045      0      0 8.162732e-04      0      0 0.0000000000
## CSI056      0      0 0.000000e+00      0      0 0.0000000000
## CSI066      0      0 1.725162e-04      0      0 0.0000000000
##      0tu00187      0tu00188      0tu00189      0tu00190      0tu00191
## CSI002      0 2.683522e-03 3.133045e-04 0.000000e+00 5.448775e-05
## CSI013      0 4.793711e-04 0.000000e+00 0.000000e+00 6.391614e-05
## CSI023      0 1.626697e-02 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034      0 0.000000e+00 4.737271e-04 0.000000e+00 3.600326e-04
## CSI045      0 7.509714e-04 1.306037e-04 0.000000e+00 0.000000e+00
## CSI056      0 1.959286e-05 1.116793e-03 1.959286e-05 0.000000e+00
## CSI066      0 0.000000e+00 3.833694e-04 1.916847e-05 0.000000e+00
##      0tu00192      0tu00193      0tu00194 0tu00195      0tu00196

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## CSI002 1.362194e-05 1.362194e-05 0.000000e+00 0 6.266091e-04
## CSI013 4.474130e-04 0.000000e+00 0.000000e+00 0 1.182449e-03
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0 1.632820e-04
## CSI034 3.789817e-04 0.000000e+00 0.000000e+00 0 1.951756e-03
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00 0 2.938584e-04
## CSI056 5.172515e-03 0.000000e+00 3.722643e-04 0 0.000000e+00
## CSI066 1.322625e-03 0.000000e+00 7.667389e-05 0 7.667389e-05
##      0tu00197      0tu00198      0tu00199      0tu00200      0tu00201
## CSI002      0 0.0000000000 0.000000e+00 0.000000e+00 2.179510e-03
## CSI013      0 0.0000000000 0.000000e+00 3.195807e-05 1.597904e-03
## CSI023      0 0.0000000000 4.082049e-05 2.653332e-04 4.082049e-05
## CSI034      0 0.0001705418 1.004301e-03 1.326436e-04 2.596024e-03
## CSI045      0 0.0260227903 0.000000e+00 0.000000e+00 5.224149e-04
## CSI056      0 0.0165755599 0.000000e+00 0.000000e+00 7.053430e-04
## CSI066      0 0.0039870421 0.000000e+00 1.916847e-05 8.434128e-04
##      0tu00202      0tu00203      0tu00204 0tu00205      0tu00206
## CSI002 0.000000e+00 1.264116e-02 0.0013077059 0 6.810968e-05
## CSI013 0.000000e+00 1.367805e-02 0.0007350356 0 1.246365e-03
## CSI023 6.735381e-04 1.020512e-03 0.0000000000 0 2.041025e-05
## CSI034 4.547780e-04 1.068728e-02 0.0008337597 0 9.474542e-04
## CSI045 0.000000e+00 0.000000e+00 0.0034936494 0 6.530186e-05
## CSI056 1.959286e-05 0.000000e+00 0.0003134858 0 1.959286e-05
## CSI066 0.000000e+00 1.533478e-04 0.0033736510 0 3.833694e-05
##      0tu00207 0tu00208      0tu00209      0tu00210      0tu00211
## CSI002 1.362194e-05      0 0.000000e+00 1.362194e-05 4.222800e-04
## CSI013 0.000000e+00      0 0.000000e+00 3.195807e-05 0.000000e+00
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00      0 0.000000e+00 9.474542e-05 4.737271e-03
## CSI045 0.000000e+00      0 0.000000e+00 7.183204e-04 1.306037e-04
## CSI056 1.959286e-05      0 0.000000e+00 2.938929e-04 0.000000e+00
## CSI066 0.000000e+00      0 3.833694e-05 7.284019e-04 3.833694e-05
##      0tu00212      0tu00213      0tu00214      0tu00215 0tu00216
## CSI002 0.000000e+00 0.000000e+00 7.219626e-04 1.362194e-05 0
## CSI013 0.000000e+00 0.000000e+00 2.173149e-03 0.000000e+00 0
## CSI023 0.000000e+00 0.000000e+00 2.041025e-05 2.041025e-05 0
## CSI034 0.000000e+00 0.000000e+00 1.326436e-03 1.894908e-05 0
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0
## CSI066 0.000000e+00 0.000000e+00 5.750542e-05 0.000000e+00 0
##      0tu00217      0tu00218      0tu00219 0tu00220      0tu00221
## CSI002 0.0000000000 1.389438e-03 3.405484e-04 0 2.724387e-05
## CSI013 0.0000000000 1.949442e-03 1.661820e-03 0 0.000000e+00
## CSI023 0.0000000000 6.939484e-04 6.123074e-05 0 0.000000e+00
## CSI034 0.0000000000 2.179145e-03 3.600326e-04 0 0.000000e+00
## CSI045 0.0000000000 6.530186e-05 3.265093e-05 0 0.000000e+00
## CSI056 0.0000000000 1.018829e-03 3.918572e-05 0 0.000000e+00
## CSI066 0.0082616113 1.073434e-03 0.000000e+00 0 0.000000e+00
##      0tu00222      0tu00223      0tu00224      0tu00225      0tu00226
## CSI002 0.0009535356 1.334950e-03 5.448775e-05 0.0000000000 0.000000e+00
## CSI013 0.0024607715 1.278323e-03 4.474130e-04 0.0000000000 0.000000e+00
## CSI023 0.0006123074 2.041025e-05 0.000000e+00 0.0000000000 0.000000e+00
## CSI034 0.0022359919 3.865613e-03 1.515927e-04 0.0000000000 0.000000e+00
## CSI045 0.0002285565 3.265093e-05 0.000000e+00 0.0000000000 0.000000e+00
## CSI056 0.0015674288 2.116029e-03 3.330786e-03 0.0053292580 1.959286e-05

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## CSI066 0.0037186835 1.916847e-05 1.725162e-03 0.0001150108 0.000000e+00
##          0tu00227 0tu00228          0tu00229 0tu00230 0tu00231          0tu00232
## CSI002 0.000000e+00          0 8.173162e-05          0          0 0.000000e+00
## CSI013 0.000000e+00          0 7.989518e-04          0          0 0.000000e+00
## CSI023 0.000000e+00          0 2.653332e-04          0          0 2.653332e-04
## CSI034 0.000000e+00          0 1.080098e-03          0          0 0.000000e+00
## CSI045 0.000000e+00          0 2.285565e-04          0          0 0.000000e+00
## CSI056 0.000000e+00          0 4.310429e-04          0          0 0.000000e+00
## CSI066 0.000000e+00          0 7.667389e-05          0          0 1.725162e-04
##          0tu00233          0tu00234 0tu00235          0tu00236          0tu00237
## CSI002 2.179510e-04 5.448775e-05          0 4.086581e-04 1.593767e-03
## CSI013 1.917484e-04 2.237065e-04          0 0.000000e+00 4.474130e-04
## CSI023 4.082049e-05 0.000000e+00          0 0.000000e+00 4.082049e-05
## CSI034 1.894908e-04 2.463381e-04          0 0.000000e+00 3.884562e-03
## CSI045 1.959056e-04 0.000000e+00          0 0.000000e+00 6.530186e-05
## CSI056 6.465644e-04 9.796430e-05          0 0.000000e+00 2.880150e-03
## CSI066 1.456804e-03 2.875271e-04          0 0.000000e+00 5.558857e-04
##          0tu00238          0tu00239 0tu00240          0tu00241          0tu00242
## CSI002          0 0.000000000          0 1.362194e-05 0.000000e+00
## CSI013          0 0.000000000          0 0.000000e+00 0.000000e+00
## CSI023          0 0.000000000          0 0.000000e+00 0.000000e+00
## CSI034          0 0.000000000          0 0.000000e+00 0.000000e+00
## CSI045          0 0.000000000          0 0.000000e+00 3.265093e-05
## CSI056          0 0.000000000          0 0.000000e+00 1.959286e-05
## CSI066          0 0.008894171          0 1.916847e-05 7.667389e-05
##          0tu00243          0tu00244          0tu00245          0tu00246          0tu00247
## CSI002 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00
## CSI013 0.000000e+00 0.0001597904 0.000000e+00 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00 0.0033472803 2.041025e-05 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00 0.0003221344 0.000000e+00 1.894908e-05 0.000000e+00
## CSI045 6.530186e-05 0.0002612074 0.000000e+00 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00 2.743000e-04
## CSI066 1.916847e-05 0.0006325596 0.000000e+00 0.000000e+00 3.642010e-03
##          0tu00248 0tu00249 0tu00250          0tu00251 0tu00252          0tu00253
## CSI002 0.000000e+00          0          0 5.448775e-05          0 8.990478e-04
## CSI013 6.391614e-05          0          0 2.237065e-04          0 2.237065e-04
## CSI023 0.000000e+00          0          0 0.000000e+00          0 1.836922e-04
## CSI034 1.839956e-02          0          0 2.463381e-04          0 6.821670e-04
## CSI045 2.122310e-03          0          0 3.265093e-05          0 9.795279e-05
## CSI056 3.134858e-04          0          0 0.000000e+00          0 5.290072e-04
## CSI066 2.319385e-03          0          0 6.133911e-04          0 2.875271e-04
##          0tu00254          0tu00255          0tu00256          0tu00257          0tu00258
## CSI002          0 0.000000e+00 1.362194e-05 5.040117e-04 1.907071e-04
## CSI013          0 0.000000e+00 6.391614e-05 6.711195e-04 6.391614e-04
## CSI023          0 0.000000e+00 4.082049e-05 1.632820e-04 1.836922e-04
## CSI034          0 1.894908e-05 1.136945e-04 1.819112e-03 8.148106e-04
## CSI045          0 1.632546e-04 1.338688e-03 0.000000e+00 2.285565e-04
## CSI056          0 3.605086e-03 0.000000e+00 1.959286e-05 7.249358e-04
## CSI066          0 5.558857e-04 8.779160e-03 0.000000e+00 3.833694e-05
##          0tu00259 0tu00260 0tu00261          0tu00262          0tu00263          0tu00264
## CSI002          0          0          0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI013          0          0          0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI023          0          0          0 0.000000e+00 2.041025e-05 0.000000e+00
## CSI034          0          0          0 0.000000e+00 0.000000e+00 2.273890e-04

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## CSI045      0      0      0 0.000000e+00 0.000000e+00 6.530186e-04
## CSI056      0      0      0 4.016536e-03 0.000000e+00 5.681930e-04
## CSI066      0      0      0 2.549407e-03 0.000000e+00 4.983803e-04
##      0tu00265      0tu00266      0tu00267      0tu00268      0tu00269
## CSI002 0.000000e+00 1.239596e-03 0.000000e+00 0.0002179510 9.712441e-03
## CSI013 0.000000e+00 6.391614e-05 3.195807e-05 0.0034514717 2.524688e-03
## CSI023 0.000000e+00 1.020512e-04 0.000000e+00 0.0000000000 8.164098e-05
## CSI034 1.894908e-05 3.789817e-05 0.000000e+00 0.0004737271 9.474542e-05
## CSI045 6.530186e-05 9.795279e-05 0.000000e+00 0.0003265093 9.795279e-05
## CSI056 0.000000e+00 5.877858e-05 0.000000e+00 0.0022531789 5.877858e-05
## CSI066 0.000000e+00 1.916847e-04 0.000000e+00 0.0005558857 9.584236e-04
##      0tu00270      0tu00271      0tu00272 0tu00273      0tu00274
## CSI002 1.362194e-02 0.000000e+00 0.000000e+00      0 0.0033918623
## CSI013 6.263782e-03 0.000000e+00 0.000000e+00      0 0.0043143396
## CSI023 9.184611e-04 1.020512e-04 0.000000e+00      0 0.0007959996
## CSI034 3.638224e-03 0.000000e+00 0.000000e+00      0 0.0075606844
## CSI045 3.265093e-05 3.265093e-05 0.000000e+00      0 0.0000000000
## CSI056 0.000000e+00 0.000000e+00 1.959286e-05      0 0.0002743000
## CSI066 2.683586e-04 7.667389e-05 0.000000e+00      0 0.0003066955
##      0tu00275      0tu00276      0tu00277      0tu00278      0tu00279
## CSI002 2.724387e-05 0.0000000000 5.993652e-04 0.000000e+00 0.000000e+00
## CSI013 0.000000e+00 0.0000000000 5.752453e-04 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00 0.0000000000 2.857434e-04 0.000000e+00 2.041025e-05
## CSI034 1.894908e-04 0.0001894908 5.248896e-03 0.000000e+00 3.789817e-05
## CSI045 3.265093e-05 0.0000000000 9.795279e-05 3.265093e-05 0.000000e+00
## CSI056 0.000000e+00 0.0000000000 2.135622e-03 5.877858e-05 2.547072e-04
## CSI066 0.000000e+00 0.0000000000 5.750542e-05 0.000000e+00 1.399298e-03
##      0tu00280      0tu00281      0tu00282 0tu00283      0tu00284
## CSI002 0.0009807794 3.541704e-04 0.000000e+00      0 0.000000e+00
## CSI013 0.0006711195 5.113291e-04 0.000000e+00      0 0.000000e+00
## CSI023 0.0000000000 2.041025e-05 0.000000e+00      0 0.000000e+00
## CSI034 0.0006063707 2.463381e-04 0.000000e+00      0 0.000000e+00
## CSI045 0.0001306037 8.815751e-04 1.012179e-03      0 0.000000e+00
## CSI056 0.0006661573 5.662337e-03 1.959286e-05      0 0.000000e+00
## CSI066 0.0002683586 1.303456e-03 8.434128e-04      0 0.000000e+00
##      0tu00285      0tu00286 0tu00287      0tu00288      0tu00289
## CSI002      0 0.000000e+00      0 0.0006538530 5.448775e-05
## CSI013      0 0.000000e+00      0 0.0017257358 3.195807e-05
## CSI023      0 0.000000e+00      0 0.0001428717 0.000000e+00
## CSI034      0 0.000000e+00      0 0.0004358289 1.705418e-04
## CSI045      0 0.000000e+00      0 0.0003591602 2.285565e-04
## CSI056      0 1.959286e-05      0 0.0007837144 2.311958e-03
## CSI066      0 0.000000e+00      0 0.0003258640 0.000000e+00
##      0tu00290      0tu00291      0tu00292 0tu00293      0tu00294
## CSI002 0.000000e+00 1.089755e-03 2.220376e-03      0 0.0000000000
## CSI013 0.000000e+00 2.077275e-03 8.820428e-03      0 0.0000000000
## CSI023 2.041025e-05 0.000000e+00 8.164098e-04      0 0.0000000000
## CSI034 0.000000e+00 8.129157e-03 2.217043e-03      0 0.0000000000
## CSI045 0.000000e+00 3.265093e-05 0.000000e+00      0 0.0000000000
## CSI056 0.000000e+00 5.877858e-05 0.000000e+00      0 0.0000000000
## CSI066 0.000000e+00 2.491901e-04 0.000000e+00      0 0.0267016811
##      0tu00295 0tu00296      0tu00297      0tu00298      0tu00299 0tu00300
## CSI002      0      0 0.003500838 3.677923e-04 0.000000e+00      0
## CSI013      0      0 0.000000000 5.432872e-04 0.000000e+00      0

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##	CSI023	0	0	0.000000000	6.123074e-05	0.000000e+00	0
##	CSI034	0	0	0.000000000	3.789817e-04	1.894908e-05	0
##	CSI045	0	0	0.000000000	4.244621e-04	0.000000e+00	0
##	CSI056	0	0	0.000000000	2.292365e-03	0.000000e+00	0
##	CSI066	0	0	0.000000000	7.648220e-03	0.000000e+00	0
##		0tu00301	0tu00302	0tu00303	0tu00304	0tu00305	
##	CSI002	7.492065e-04	1.362194e-05	4.086581e-04	0	0.000000000	
##	CSI013	4.154549e-04	0.000000e+00	1.086574e-03	0	0.000000000	
##	CSI023	3.735075e-03	2.041025e-05	0.000000e+00	0	0.000000000	
##	CSI034	1.117996e-03	1.894908e-05	4.547780e-04	0	0.000000000	
##	CSI045	6.530186e-05	1.959056e-03	9.795279e-05	0	0.000000000	
##	CSI056	3.918572e-05	1.220635e-02	8.816787e-04	0	0.000000000	
##	CSI066	3.833694e-05	1.322625e-03	1.801836e-03	0	0.0003066955	
##		0tu00306	0tu00307	0tu00308	0tu00309	0tu00310	0tu00311
##	CSI002	0	0	0	6.810968e-05	0	2.588168e-04
##	CSI013	0	0	0	7.989518e-04	0	5.752453e-04
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI034	0	0	0	7.579634e-05	0	6.821670e-04
##	CSI045	0	0	0	6.203676e-04	0	0.000000e+00
##	CSI056	0	0	0	4.114501e-04	0	3.918572e-05
##	CSI066	0	0	0	5.942226e-04	0	1.188445e-03
##		0tu00312	0tu00313	0tu00314	0tu00315	0tu00316	0tu00317
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI045	0	0	3.265093e-04	0	0.000000e+00	0.000000e+00
##	CSI056	0	0	1.782950e-03	0	0.000000e+00	3.918572e-04
##	CSI066	0	0	2.683586e-04	0	3.833694e-05	0.000000e+00
##		0tu00318	0tu00319	0tu00320	0tu00321	0tu00322	
##	CSI002	4.086581e-05	4.141069e-03	6.810968e-03	1.770852e-04	0	
##	CSI013	1.278323e-04	4.538046e-03	6.807069e-03	1.725736e-03	0	
##	CSI023	0.000000e+00	3.306460e-03	7.347689e-04	1.020512e-04	0	
##	CSI034	6.253198e-04	4.471984e-03	1.146420e-02	1.174843e-03	0	
##	CSI045	3.918111e-04	0.000000e+00	6.530186e-05	2.612074e-04	0	
##	CSI056	9.600502e-04	0.000000e+00	0.000000e+00	4.212465e-03	0	
##	CSI066	1.897679e-03	1.533478e-04	9.584236e-05	1.341793e-04	0	
##		0tu00323	0tu00324	0tu00325	0tu00326	0tu00327	
##	CSI002	4.359020e-04	1.130621e-03	0	0	1.362194e-05	
##	CSI013	7.669937e-04	1.054616e-03	0	0	3.195807e-05	
##	CSI023	2.041025e-05	4.082049e-05	0	0	0.000000e+00	
##	CSI034	8.148106e-04	4.168798e-04	0	0	3.789817e-05	
##	CSI045	3.918111e-04	0.000000e+00	0	0	6.856695e-04	
##	CSI056	4.506358e-04	2.547072e-04	0	0	7.445287e-04	
##	CSI066	6.708965e-04	1.150108e-04	0	0	2.051026e-03	
##		0tu00328	0tu00329	0tu00330	0tu00331	0tu00332	0tu00333
##	CSI002	0.000000e+00	0	2.778875e-03	0	0	0
##	CSI013	0.000000e+00	0	5.752453e-04	0	0	0
##	CSI023	0.000000e+00	0	2.041025e-04	0	0	0
##	CSI034	0.000000e+00	0	3.448733e-03	0	0	0
##	CSI045	0.000000e+00	0	6.530186e-05	0	0	0
##	CSI056	0.000000e+00	0	5.877858e-05	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu00334	0tu00335	0tu00336	0tu00337	0tu00338	0tu00339

##	CSI002	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	2.041025e-05	0	0	0
##	CSI034	0.000000e+00	1.894908e-05	0.000000e+00	0	0	0
##	CSI045	3.265093e-04	0.000000e+00	0.000000e+00	0	0	0
##	CSI056	1.449872e-03	0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##		0tu00340	0tu00341	0tu00342	0tu00343	0tu00344	
##	CSI002	0.000000e+00	0	1.144243e-03	0.000000e+00	4.767678e-04	
##	CSI013	0.000000e+00	0	4.793711e-04	0.000000e+00	8.628679e-04	
##	CSI023	0.000000e+00	0	8.368201e-04	0.000000e+00	1.428717e-04	
##	CSI034	0.000000e+00	0	2.652872e-04	0.000000e+00	8.148106e-04	
##	CSI045	3.265093e-05	0	3.265093e-05	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0	1.959286e-05	0.000000e+00	7.837144e-05	
##	CSI066	0.000000e+00	0	3.833694e-05	1.916847e-05	3.833694e-05	
##		0tu00345	0tu00346	0tu00347	0tu00348	0tu00349	0tu00350
##	CSI002	0.000000e+00	0	0	8.173162e-04	0	0.000000e+00
##	CSI013	1.597904e-04	0	0	7.350356e-04	0	9.587421e-05
##	CSI023	0.000000e+00	0	0	2.041025e-05	0	1.065415e-02
##	CSI034	0.000000e+00	0	0	5.684725e-04	0	0.000000e+00
##	CSI045	0.000000e+00	0	0	6.530186e-05	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	4.937401e-03	0	1.959286e-05
##	CSI066	0.000000e+00	0	0	1.341793e-04	0	0.000000e+00
##		0tu00351	0tu00352	0tu00353	0tu00354	0tu00355	
##	CSI002	0.000000e+00	6.129872e-04	8.445601e-04	0.000000e+00	0.0000000000	
##	CSI013	0.000000e+00	6.551405e-03	2.109233e-03	6.072033e-04	0.0000000000	
##	CSI023	0.000000e+00	1.020512e-04	6.123074e-04	0.000000e+00	0.0000000000	
##	CSI034	0.000000e+00	1.534876e-03	9.474542e-05	3.410835e-04	0.0000000000	
##	CSI045	0.000000e+00	3.265093e-05	0.000000e+00	0.000000e+00	0.0001306037	
##	CSI056	0.000000e+00	1.175572e-04	6.269715e-04	1.959286e-05	0.0001763357	
##	CSI066	1.916847e-05	3.833694e-05	1.341793e-04	0.000000e+00	0.0003642010	
##		0tu00356	0tu00357	0tu00358	0tu00359	0tu00360	
##	CSI002	0.0000000000	2.724387e-05	0.000000e+00	0.000000e+00	1.062511e-03	
##	CSI013	0.0000000000	3.515388e-04	0.000000e+00	0.000000e+00	1.150491e-03	
##	CSI023	0.0000000000	6.123074e-05	0.000000e+00	0.000000e+00	6.531279e-04	
##	CSI034	0.0000000000	3.789817e-04	0.000000e+00	0.000000e+00	2.444432e-03	
##	CSI045	0.0000000000	1.632546e-04	9.795279e-05	0.000000e+00	2.285565e-04	
##	CSI056	0.0000000000	7.014244e-03	2.743000e-04	2.155215e-04	7.837144e-05	
##	CSI066	0.0000000000	0.000000e+00	6.133911e-04	1.916847e-05	2.491901e-04	
##		0tu00361	0tu00362	0tu00363	0tu00364	0tu00365	
##	CSI002	0.000000e+00	0.0000000000	0.000000e+00	0.000000e+00	0	
##	CSI013	6.391614e-05	0.0000000000	9.587421e-05	3.195807e-05	0	
##	CSI023	2.041025e-05	0.0000000000	0.000000e+00	0.000000e+00	0	
##	CSI034	0.000000e+00	0.0000000000	3.789817e-05	0.000000e+00	0	
##	CSI045	6.530186e-05	0.006889346	0.000000e+00	1.149313e-02	0	
##	CSI056	5.094144e-03	0.0000000000	0.000000e+00	5.094144e-03	0	
##	CSI066	1.021680e-02	0.0000000000	0.000000e+00	1.236366e-02	0	
##		0tu00366	0tu00367	0tu00368	0tu00369	0tu00370	
##	CSI002	6.810968e-04	0.000000e+00	6.402310e-04	0	0	
##	CSI013	7.510147e-03	0.000000e+00	2.109233e-03	0	0	
##	CSI023	7.143586e-04	0.000000e+00	5.510766e-04	0	0	
##	CSI034	1.155894e-03	0.000000e+00	4.301442e-03	0	0	
##	CSI045	3.265093e-05	4.244621e-03	3.265093e-05	0	0	
##	CSI056	3.526715e-04	1.969082e-02	1.959286e-05	0	0	


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## CSI066 1.533478e-04 0.000000e+00 2.108532e-04 0 0
##          0tu00371 0tu00372 0tu00373 0tu00374 0tu00375
## CSI002 0.000000e+00 0.0001225974 5.448775e-05 0.000000e+00 1.362194e-05
## CSI013 0.000000e+00 0.0069349014 9.267841e-04 0.000000e+00 0.000000e+00
## CSI023 2.041025e-05 0.0019797939 2.041025e-05 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00 0.0051730999 1.610672e-03 0.000000e+00 0.000000e+00
## CSI045 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00
## CSI056 5.681930e-04 0.0001959286 1.371500e-04 1.959286e-05 0.000000e+00
## CSI066 0.000000e+00 0.0000000000 3.852863e-03 0.000000e+00 0.000000e+00
##          0tu00376 0tu00377 0tu00378 0tu00379 0tu00380
## CSI002 0 1.362194e-05 0.0002043291 0 0.000000e+00
## CSI013 0 0.000000e+00 0.0002556646 0 0.000000e+00
## CSI023 0 2.041025e-04 0.0000000000 0 0.000000e+00
## CSI034 0 0.000000e+00 0.0004358289 0 0.000000e+00
## CSI045 0 6.562837e-03 0.0002612074 0 3.265093e-05
## CSI056 0 1.007073e-02 0.0004702286 0 0.000000e+00
## CSI066 0 2.248462e-02 0.0007667389 0 0.000000e+00
##          0tu00381 0tu00382 0tu00383 0tu00384 0tu00385 0tu00386
## CSI002 0.000000e+00 0 0 8.445601e-04 0 0
## CSI013 0.000000e+00 0 0 1.821610e-03 0 0
## CSI023 2.041025e-05 0 0 1.224615e-04 0 0
## CSI034 0.000000e+00 0 0 1.743316e-03 0 0
## CSI045 0.000000e+00 0 0 1.012179e-03 0 0
## CSI056 0.000000e+00 0 0 3.722643e-04 0 0
## CSI066 0.000000e+00 0 0 3.507830e-03 0 0
##          0tu00387 0tu00388 0tu00389 0tu00390 0tu00391 0tu00392
## CSI002 0 0 0.000000e+00 0 0 2.084156e-03
## CSI013 0 0 0.000000e+00 0 0 3.898885e-03
## CSI023 0 0 0.000000e+00 0 0 3.265639e-04
## CSI034 0 0 0.000000e+00 0 0 1.042200e-03
## CSI045 0 0 0.000000e+00 0 0 9.795279e-05
## CSI056 0 0 1.959286e-05 0 0 3.722643e-04
## CSI066 0 0 0.000000e+00 0 0 4.600433e-04
##          0tu00393 0tu00394 0tu00395 0tu00396 0tu00397
## CSI002 0.000000e+00 0 0 2.724387e-05 0.000000e+00
## CSI013 0.000000e+00 0 0 2.109233e-02 0.000000e+00
## CSI023 0.000000e+00 0 0 8.164098e-05 0.000000e+00
## CSI034 0.000000e+00 0 0 1.894908e-05 0.000000e+00
## CSI045 0.000000e+00 0 0 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00 0 0 0.000000e+00 1.959286e-05
## CSI066 0.000000e+00 0 0 0.000000e+00 0.000000e+00
##          0tu00398 0tu00399 0tu00400 0tu00401 0tu00402
## CSI002 1.089755e-04 1.362194e-05 0.000000e+00 0 0.0006266091
## CSI013 7.669937e-04 0.000000e+00 0.000000e+00 0 0.0009587421
## CSI023 4.082049e-05 0.000000e+00 0.000000e+00 0 0.0001224615
## CSI034 3.221344e-04 0.000000e+00 0.000000e+00 0 0.0017622648
## CSI045 8.162732e-04 0.000000e+00 2.840631e-03 0 0.0003265093
## CSI056 1.959286e-05 0.000000e+00 2.703815e-03 0 0.0001371500
## CSI066 0.000000e+00 0.000000e+00 2.300217e-03 0 0.0002683586
##          0tu00403 0tu00404 0tu00405 0tu00406 0tu00407 0tu00408
## CSI002 0 0 0 0 2.588168e-04 0.000000000
## CSI013 0 0 0 0 3.195807e-05 0.000000000
## CSI023 0 0 0 0 0.000000e+00 0.000000000
## CSI034 0 0 0 0 1.894908e-05 0.000000000

```

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## CSI045      0      0      0      0 0.000000e+00 0.000000000
## CSI056      0      0      0      0 0.000000e+00 0.000000000
## CSI066      0      0      0      0 0.000000e+00 0.001897679
##      0tu00409      0tu00410      0tu00411 0tu00412      0tu00413
## CSI002 6.810968e-04 0.000000e+00 1.198730e-03      0 1.225974e-04
## CSI013 1.214407e-03 3.195807e-05 1.374197e-03      0 6.391614e-05
## CSI023 8.164098e-05 0.000000e+00 4.082049e-05      0 2.041025e-05
## CSI034 2.861312e-03 1.894908e-05 1.136945e-03      0 4.547780e-04
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00      0 9.795279e-05
## CSI056 0.000000e+00 5.877858e-05 3.918572e-04      0 1.214757e-03
## CSI066 0.000000e+00 0.000000e+00 2.491901e-04      0 4.408748e-04
##      0tu00414 0tu00415      0tu00416      0tu00417      0tu00418
## CSI002 3.405484e-04      0 0.000000e+00 0.0000000000 2.302107e-03
## CSI013 6.583363e-03      0 0.000000e+00 0.0000000000 3.515388e-04
## CSI023 2.449230e-04      0 0.000000e+00 0.0000000000 9.388713e-04
## CSI034 1.800163e-03      0 0.000000e+00 0.0000000000 3.031853e-04
## CSI045 0.000000e+00      0 3.852810e-03 0.0025467725 0.000000e+00
## CSI056 1.959286e-05      0 5.877858e-05 0.0005877858 0.000000e+00
## CSI066 3.833694e-05      0 2.491901e-04 0.0026644176 0.000000e+00
##      0tu00419      0tu00420      0tu00421      0tu00422      0tu00423
## CSI002      0 8.173162e-05 5.312555e-04 0.000000e+00 0.000000e+00
## CSI013      0 3.195807e-05 2.205107e-03 0.000000e+00 0.000000e+00
## CSI023      0 1.632820e-04 5.306664e-04 0.000000e+00 0.000000e+00
## CSI034      0 3.410835e-04 3.467682e-03 3.789817e-05 0.000000e+00
## CSI045      0 4.571130e-04 2.938584e-04 1.959056e-04 0.000000e+00
## CSI056      0 1.959286e-05 5.877858e-04 7.837144e-05 0.000000e+00
## CSI066      0 2.894439e-03 1.150108e-04 1.341793e-04 1.916847e-05
##      0tu00424 0tu00425 0tu00426      0tu00427 0tu00428      0tu00429
## CSI002 0.0002451949      0      0 0.000000e+00      0 1.634632e-04
## CSI013 0.0003195807      0      0 0.000000e+00      0 2.556646e-04
## CSI023 0.0000000000      0      0 0.000000e+00      0 2.041025e-05
## CSI034 0.0001326436      0      0 1.894908e-05      0 5.684725e-04
## CSI045 0.0001632546      0      0 0.000000e+00      0 9.795279e-05
## CSI056 0.0004506358      0      0 1.567429e-04      0 6.465644e-04
## CSI066 0.0004217064      0      0 0.000000e+00      0 8.242443e-04
##      0tu00430      0tu00431 0tu00432      0tu00433      0tu00434
## CSI002 1.362194e-04 0.000000e+00      0 0.000000e+00 1.634632e-04
## CSI013 1.470071e-03 0.000000e+00      0 0.000000e+00 1.597904e-04
## CSI023 0.000000e+00 0.000000e+00      0 0.000000e+00 4.082049e-05
## CSI034 2.273890e-03 1.023251e-03      0 0.000000e+00 1.515927e-04
## CSI045 0.000000e+00 0.000000e+00      0 0.000000e+00 3.918111e-04
## CSI056 1.371500e-04 0.000000e+00      0 1.959286e-05 1.763357e-04
## CSI066 0.000000e+00 2.702755e-03      0 0.000000e+00 2.108532e-04
##      0tu00435      0tu00436      0tu00437 0tu00438      0tu00439
## CSI002 2.274863e-03 0.000000e+00 3.119424e-03      0 1.498413e-04
## CSI013 6.455530e-03 0.000000e+00 4.090633e-03      0 9.587421e-05
## CSI023 8.164098e-05 0.000000e+00 7.959996e-04      0 0.000000e+00
## CSI034 4.282493e-03 0.000000e+00 4.604627e-03      0 1.705418e-04
## CSI045 3.265093e-05 0.000000e+00 0.000000e+00      0 6.530186e-05
## CSI056 4.506358e-04 6.857501e-04 3.526715e-04      0 0.000000e+00
## CSI066 2.491901e-04 5.750542e-05 0.000000e+00      0 0.000000e+00
##      0tu00440 0tu00441 0tu00442      0tu00443      0tu00444
## CSI002 6.947188e-04      0      0 0.000000e+00 5.176336e-04
## CSI013 6.072033e-04      0      0 0.000000e+00 1.054616e-03

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##	CSI023	2.041025e-05	0	0	0.000000e+00	1.836922e-04
##	CSI034	8.716579e-04	0	0	0.000000e+00	1.951756e-03
##	CSI045	3.918111e-04	0	0	0.000000e+00	3.265093e-05
##	CSI056	5.486001e-03	0	0	0.000000e+00	1.469465e-03
##	CSI066	1.878510e-03	0	0	1.916847e-05	1.533478e-04
##		0tu00445	0tu00446	0tu00447	0tu00448	0tu00449 0tu00450
##	CSI002	0.000000e+00	0.0000000000	0	0.000000e+00	0
##	CSI013	0.000000e+00	0.0000000000	0	0.000000e+00	0
##	CSI023	0.000000e+00	0.0000000000	0	0.000000e+00	0
##	CSI034	0.000000e+00	0.0000000000	0	0.000000e+00	0
##	CSI045	0.000000e+00	0.0006203676	0	0.000000e+00	0
##	CSI056	1.959286e-05	0.0011951645	0	0.000000e+00	0
##	CSI066	0.000000e+00	0.0011692768	0	1.916847e-05	0
##		0tu00451	0tu00452	0tu00453	0tu00454	0tu00455 0tu00456
##	CSI002	0	0	0	3.405484e-04	2.724387e-05 1.362194e-05
##	CSI013	0	0	0	7.350356e-04	9.587421e-05 3.195807e-05
##	CSI023	0	0	0	5.510766e-04	0.000000e+00 0.000000e+00
##	CSI034	0	0	0	4.926762e-04	9.474542e-05 1.894908e-05
##	CSI045	0	0	0	0.000000e+00	1.044830e-03 1.273386e-03
##	CSI056	0	0	0	0.000000e+00	1.567429e-04 1.959286e-05
##	CSI066	0	0	0	3.833694e-05	1.150108e-03 7.820736e-03
##		0tu00457	0tu00458	0tu00459	0tu00460	0tu00461 0tu00462
##	CSI002	0	0	0.000000e+00	0	0.000000e+00 4.086581e-04
##	CSI013	0	0	0.000000e+00	0	0.000000e+00 9.587421e-05
##	CSI023	0	0	0.000000e+00	0	2.041025e-05 0.000000e+00
##	CSI034	0	0	0.000000e+00	0	3.789817e-05 8.337597e-04
##	CSI045	0	0	3.265093e-05	0	0.000000e+00 7.509714e-04
##	CSI056	0	0	0.000000e+00	0	0.000000e+00 4.506358e-04
##	CSI066	0	0	5.750542e-05	0	1.916847e-05 2.338554e-03
##		0tu00463	0tu00464	0tu00465	0tu00466	0tu00467 0tu00468
##	CSI002	0	0	0	0.000000e+00	9.262917e-04 0
##	CSI013	0	0	0	0.000000e+00	1.278323e-04 0
##	CSI023	0	0	0	0.000000e+00	1.020512e-04 0
##	CSI034	0	0	0	0.000000e+00	1.459079e-03 0
##	CSI045	0	0	0	0.000000e+00	0.000000e+00 0
##	CSI056	0	0	0	1.959286e-05	0.000000e+00 0
##	CSI066	0	0	0	0.000000e+00	0.000000e+00 0
##		0tu00469	0tu00470	0tu00471	0tu00472	0tu00473
##	CSI002	0	0.000000e+00	3.541704e-04	0.000000e+00	0
##	CSI013	0	9.587421e-05	1.278323e-04	0.000000e+00	0
##	CSI023	0	0.000000e+00	4.082049e-05	0.000000e+00	0
##	CSI034	0	0.000000e+00	1.894908e-04	0.000000e+00	0
##	CSI045	0	0.000000e+00	0.000000e+00	0.000000e+00	0
##	CSI056	0	1.786869e-02	2.547072e-04	0.000000e+00	0
##	CSI066	0	0.000000e+00	0.000000e+00	1.916847e-05	0
##		0tu00474	0tu00475	0tu00476	0tu00477	0tu00478 0tu00479
##	CSI002	3.269265e-04	0.000000e+00	0	0	0 0
##	CSI013	3.515388e-04	6.391614e-05	0	0	0 0
##	CSI023	2.041025e-05	9.592816e-04	0	0	0 0
##	CSI034	4.737271e-04	5.684725e-05	0	0	0 0
##	CSI045	1.959056e-04	8.489242e-04	0	0	0 0
##	CSI056	1.959286e-05	1.449872e-03	0	0	0 0
##	CSI066	2.012690e-03	1.725162e-04	0	0	0 0
##		0tu00480	0tu00481	0tu00482	0tu00483	0tu00484

##	CSI002	1.362194e-04	0.000000e+00	0	3.814142e-04	1.362194e-05
##	CSI013	0.000000e+00	2.556646e-04	0	1.597904e-04	0.000000e+00
##	CSI023	6.123074e-05	4.898459e-04	0	4.082049e-05	0.000000e+00
##	CSI034	9.474542e-05	2.160196e-03	0	8.337597e-04	0.000000e+00
##	CSI045	7.836223e-04	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI056	0.000000e+00	0.000000e+00	0	5.094144e-04	0.000000e+00
##	CSI066	5.942226e-03	1.341793e-04	0	4.408748e-04	0.000000e+00
##		0tu00485	0tu00486	0tu00487	0tu00488	0tu00489
##	CSI002	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0
##	CSI013	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0
##	CSI034	3.789817e-05	0.000000e+00	0.000000e+00	0.0000000000	0
##	CSI045	3.265093e-04	0.000000e+00	0.000000e+00	0.0007836223	0
##	CSI056	5.877858e-05	6.994651e-03	0.000000e+00	0.0028997433	0
##	CSI066	1.245951e-03	0.000000e+00	0.000000e+00	0.0033353141	0
##		0tu00490	0tu00491	0tu00492	0tu00493	0tu00494
##	CSI002	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00
##	CSI013	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00
##	CSI023	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00
##	CSI034	0.000000e+00	1.894908e-05	0	0	0 0.000000e+00
##	CSI045	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00
##	CSI056	1.959286e-05	0.000000e+00	0	0	0 1.959286e-05
##	CSI066	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00
##		0tu00496	0tu00497	0tu00498	0tu00499	0tu00500
##	CSI002	0	4.086581e-05	0	0	0 0.0000000000
##	CSI013	0	3.195807e-05	0	0	0 0.0000000000
##	CSI023	0	0.000000e+00	0	0	0 0.0000000000
##	CSI034	0	1.326436e-04	0	0	0 0.0000000000
##	CSI045	0	0.000000e+00	0	0	0 0.0000000000
##	CSI056	0	1.959286e-05	0	0	0 0.002194400
##	CSI066	0	0.000000e+00	0	0	0 0.0000000000
##		0tu00502	0tu00503	0tu00504	0tu00505	0tu00506
##	CSI002	0	0	2.451949e-04	0	3.133045e-04
##	CSI013	0	0	1.533987e-03	0	1.054616e-03
##	CSI023	0	0	1.020512e-04	0	1.020512e-04
##	CSI034	0	0	2.425483e-03	0	1.970705e-03
##	CSI045	0	0	9.795279e-05	0	9.795279e-05
##	CSI056	0	0	1.939693e-03	0	1.880915e-03
##	CSI066	0	0	3.066955e-04	0	7.284019e-04
##		0tu00508	0tu00509	0tu00510	0tu00511	0tu00512
##	CSI002	0	0	1.089755e-04	0	0
##	CSI013	0	0	2.876226e-04	0	0
##	CSI023	0	0	0.000000e+00	0	0
##	CSI034	0	0	5.684725e-05	0	0
##	CSI045	0	0	3.787508e-03	0	0
##	CSI056	0	0	8.620859e-04	0	0
##	CSI066	0	0	3.335314e-03	0	0
##		0tu00514	0tu00515	0tu00516	0tu00517	0tu00518
##	CSI002	0.000000e+00	2.996826e-04	0	0	0 0.000000e+00
##	CSI013	0.000000e+00	3.195807e-04	0	0	0 0.000000e+00
##	CSI023	0.000000e+00	2.041025e-05	0	0	0 0.000000e+00
##	CSI034	0.000000e+00	1.269589e-03	0	0	0 0.000000e+00
##	CSI045	0.000000e+00	1.959056e-04	0	0	0 0.000000e+00
##	CSI056	0.000000e+00	1.959286e-04	0	0	0 0.000000e+00

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## CSI066 0.000000e+00 1.533478e-04 0 0 0.000000e+00
## 0tu00519 0tu00520 0tu00521 0tu00522 0tu00523
## CSI002 0.0000000000 0.000000e+00 0 9.944014e-04 0
## CSI013 0.0007669937 0.000000e+00 0 6.072033e-04 0
## CSI023 0.0000000000 0.000000e+00 0 8.164098e-05 0
## CSI034 0.0000000000 1.894908e-05 0 4.926762e-04 0
## CSI045 0.0001632546 9.795279e-05 0 9.795279e-05 0
## CSI056 0.0003722643 1.910304e-02 0 5.094144e-04 0
## CSI066 0.0002300217 2.491901e-04 0 3.833694e-04 0
## 0tu00524 0tu00525 0tu00526 0tu00527 0tu00528
## CSI002 4.604215e-03 3.582569e-03 0 0.000000e+00 1.048889e-03
## CSI013 2.556646e-03 4.985459e-03 0 3.195807e-05 2.940143e-03
## CSI023 5.306664e-04 5.306664e-04 0 0.000000e+00 8.164098e-05
## CSI034 3.278191e-03 7.011161e-04 0 0.000000e+00 3.107650e-03
## CSI045 3.265093e-05 0.000000e+00 0 0.000000e+00 0.000000e+00
## CSI056 1.959286e-05 0.000000e+00 0 0.000000e+00 4.114501e-04
## CSI066 0.000000e+00 0.000000e+00 0 0.000000e+00 7.092335e-04
## 0tu00529 0tu00530 0tu00531 0tu00532 0tu00533
## CSI002 4.086581e-05 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI013 1.597904e-04 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 1.705418e-04 1.894908e-05 0.000000e+00 0.000000e+00 0.000000e+00
## CSI045 3.265093e-05 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI056 3.722643e-04 0.000000e+00 1.959286e-05 2.174808e-03 0.000000e+00
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00 1.916847e-05 0.000000e+00
## 0tu00534 0tu00535 0tu00536 0tu00537 0tu00538
## CSI002 5.176336e-04 0.000000e+00 5.721213e-04 9.535356e-05 0.000000e+00
## CSI013 6.391614e-05 0.000000e+00 4.154549e-04 5.049375e-03 0.000000e+00
## CSI023 8.164098e-05 0.000000e+00 2.041025e-05 0.000000e+00 0.000000e+00
## CSI034 1.610672e-03 0.000000e+00 1.364334e-03 5.684725e-04 0.000000e+00
## CSI045 0.000000e+00 1.306037e-04 1.959056e-04 1.306037e-04 6.530186e-05
## CSI056 0.000000e+00 1.175572e-04 3.722643e-04 5.877858e-05 5.877858e-05
## CSI066 0.000000e+00 0.000000e+00 3.066955e-04 3.833694e-05 0.000000e+00
## 0tu00539 0tu00540 0tu00541 0tu00542 0tu00543 0tu00544
## CSI002 0.000000e+00 0 0.0001634632 0 0 0
## CSI013 6.391614e-05 0 0.0000000000 0 0 0
## CSI023 0.000000e+00 0 0.0008164098 0 0 0
## CSI034 0.000000e+00 0 0.0000000000 0 0 0
## CSI045 0.000000e+00 0 0.0016651974 0 0 0
## CSI056 0.000000e+00 0 0.0017241717 0 0 0
## CSI066 0.000000e+00 0 0.0002683586 0 0 0
## 0tu00545 0tu00546 0tu00547 0tu00548 0tu00549 0tu00550
## CSI002 2.315729e-04 0 0 1.021645e-03 0 1.362194e-05
## CSI013 1.533987e-03 0 0 8.309098e-04 0 0.000000e+00
## CSI023 2.041025e-05 0 0 1.836922e-04 0 0.000000e+00
## CSI034 1.610672e-03 0 0 2.785515e-03 0 0.000000e+00
## CSI045 1.632546e-04 0 0 0.000000e+00 0 0.000000e+00
## CSI056 9.796430e-05 0 0 1.959286e-05 0 0.000000e+00
## CSI066 2.875271e-04 0 0 1.916847e-05 0 0.000000e+00
## 0tu00551 0tu00552 0tu00553 0tu00554 0tu00555
## CSI002 0 0.000000e+00 0.000000e+00 5.448775e-05 0.000000e+00
## CSI013 0 0.000000e+00 0.000000e+00 9.587421e-05 0.000000e+00
## CSI023 0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 0 0.000000e+00 0.000000e+00 1.894908e-05 1.894908e-05

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## CSI045      0 0.000000e+00 9.795279e-05 0.000000e+00 0.000000e+00
## CSI056      0 0.000000e+00 1.594859e-02 0.000000e+00 0.000000e+00
## CSI066      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu00556      0tu00557      0tu00558 0tu00559 0tu00560
## CSI002 2.424705e-03 0.000000e+00 2.397461e-03      0      0
## CSI013 1.597904e-03 0.000000e+00 0.000000e+00      0      0
## CSI023 8.164098e-05 0.000000e+00 6.939484e-04      0      0
## CSI034 4.244595e-03 0.000000e+00 0.000000e+00      0      0
## CSI045 2.938584e-04 0.000000e+00 3.591602e-04      0      0
## CSI056 2.155215e-04 5.877858e-05 0.000000e+00      0      0
## CSI066 5.558857e-04 9.584236e-05 0.000000e+00      0      0
##      0tu00561 0tu00562 0tu00563      0tu00564 0tu00565 0tu00566
## CSI002 9.807794e-04      0      0 0.000000e+00      0      0
## CSI013 5.432872e-04      0      0 0.000000e+00      0      0
## CSI023 0.000000e+00      0      0 0.000000e+00      0      0
## CSI034 3.979308e-04      0      0 1.894908e-05      0      0
## CSI045 0.000000e+00      0      0 0.000000e+00      0      0
## CSI056 3.918572e-05      0      0 0.000000e+00      0      0
## CSI066 9.584236e-05      0      0 0.000000e+00      0      0
##      0tu00567 0tu00568 0tu00569      0tu00570      0tu00571 0tu00572
## CSI002 1.362194e-05      0      0 0.0000000000 0.000000e+00      0
## CSI013 8.724553e-03      0      0 0.0000000000 0.000000e+00      0
## CSI023 6.123074e-05      0      0 0.0000000000 0.000000e+00      0
## CSI034 2.463381e-04      0      0 0.0000000000 0.000000e+00      0
## CSI045 3.265093e-05      0      0 0.0002938584 0.000000e+00      0
## CSI056 0.000000e+00      0      0 0.0004310429 1.959286e-05      0
## CSI066 5.750542e-05      0      0 0.0005367172 0.000000e+00      0
##      0tu00573      0tu00574 0tu00575      0tu00576 0tu00577 0tu00578
## CSI002 2.724387e-04 4.086581e-05      0 0.000000e+00      0      0
## CSI013 5.113291e-04 1.917484e-04      0 1.278323e-04      0      0
## CSI023 2.041025e-05 6.123074e-05      0 2.041025e-05      0      0
## CSI034 3.410835e-04 7.579634e-05      0 2.084399e-04      0      0
## CSI045 9.795279e-05 3.265093e-05      0 3.918111e-04      0      0
## CSI056 4.310429e-04 2.096436e-03      0 2.155215e-04      0      0
## CSI066 6.517280e-04 8.817497e-04      0 9.584236e-05      0      0
##      0tu00579 0tu00580      0tu00581 0tu00582      0tu00583
## CSI002 0.0001225974      0 0.000000e+00      0 9.535356e-05
## CSI013 0.0008309098      0 0.000000e+00      0 6.391614e-05
## CSI023 0.0000000000      0 0.000000e+00      0 6.123074e-05
## CSI034 0.0003600326      0 0.000000e+00      0 1.705418e-04
## CSI045 0.0000000000      0 5.877167e-04      0 0.000000e+00
## CSI056 0.0000000000      0 9.012716e-04      0 1.959286e-04
## CSI066 0.0000000000      0 1.725162e-04      0 1.533478e-04
##      0tu00584 0tu00585      0tu00586 0tu00587      0tu00588
## CSI002 0.000000e+00      0 0.0020296686      0 1.362194e-05
## CSI013 9.587421e-05      0 0.0019814004      0 0.000000e+00
## CSI023 4.082049e-05      0 0.0003877947      0 0.000000e+00
## CSI034 1.894908e-04      0 0.0010800978      0 0.000000e+00
## CSI045 0.000000e+00      0 0.0000000000      0 0.000000e+00
## CSI056 1.959286e-05      0 0.0000000000      0 0.000000e+00
## CSI066 0.000000e+00      0 0.0002108532      0 0.000000e+00
##      0tu00589 0tu00590      0tu00591      0tu00592      0tu00593
## CSI002 2.724387e-05      0 2.724387e-05 9.535356e-05 0.000000e+00
## CSI013 1.917484e-04      0 0.000000e+00 1.917484e-04 1.278323e-04

```

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## CSI023 0.000000e+00      0 0.000000e+00 2.041025e-05 0.000000e+00
## CSI034 9.474542e-05      0 5.684725e-05 3.221344e-04 1.894908e-05
## CSI045 1.959056e-04      0 3.265093e-05 1.306037e-04 2.285565e-04
## CSI056 1.567429e-04      0 7.837144e-05 3.330786e-04 3.918572e-05
## CSI066 7.092335e-04      0 0.000000e+00 3.833694e-04 5.942226e-04
##      0tu00594      0tu00595      0tu00596 0tu00597      0tu00598
## CSI002 1.362194e-05 0.0000000000 7.764504e-04      0 8.173162e-05
## CSI013 0.000000e+00 0.0000000000 4.570004e-03      0 3.195807e-05
## CSI023 0.000000e+00 0.0003877947 1.020512e-04      0 0.000000e+00
## CSI034 0.000000e+00 0.0004926762 1.269589e-03      0 1.515927e-04
## CSI045 0.000000e+00 0.0000000000 1.306037e-04      0 0.000000e+00
## CSI056 0.000000e+00 0.0000000000 3.918572e-05      0 9.796430e-05
## CSI066 0.000000e+00 0.0000000000 5.175487e-04      0 1.916847e-05
##      0tu00599      0tu00600      0tu00601 0tu00602 0tu00603 0tu00604
## CSI002 2.724387e-05 0.0011987304 0.0013349498      0      0      0
## CSI013 0.000000e+00 0.0009907002 0.0000000000      0      0      0
## CSI023 0.000000e+00 0.0001020512 0.0007143586      0      0      0
## CSI034 1.894908e-05 0.0022549410 0.0000000000      0      0      0
## CSI045 0.000000e+00 0.0001306037 0.0000000000      0      0      0
## CSI056 0.000000e+00 0.0001567429 0.0000000000      0      0      0
## CSI066 0.000000e+00 0.0001341793 0.0000000000      0      0      0
##      0tu00605      0tu00606      0tu00607 0tu00608      0tu00609
## CSI002 0.000000e+00 8.581820e-04 6.674749e-04      0 2.996826e-04
## CSI013 0.000000e+00 5.017417e-03 4.474130e-04      0 0.000000e+00
## CSI023 2.041025e-05 0.000000e+00 4.082049e-05      0 1.224615e-04
## CSI034 3.789817e-05 1.515927e-03 1.080098e-03      0 2.084399e-03
## CSI045 0.000000e+00 6.530186e-05 1.306037e-04      0 9.795279e-05
## CSI056 0.000000e+00 7.837144e-05 5.486001e-04      0 4.114501e-04
## CSI066 3.833694e-05 1.916847e-05 1.916847e-05      0 1.188445e-03
##      0tu00610 0tu00611      0tu00612 0tu00613      0tu00614 0tu00615
## CSI002      0      0 1.362194e-05      0 0.000000e+00      0
## CSI013      0      0 0.000000e+00      0 0.000000e+00      0
## CSI023      0      0 0.000000e+00      0 0.000000e+00      0
## CSI034      0      0 0.000000e+00      0 1.894908e-05      0
## CSI045      0      0 3.265093e-05      0 0.000000e+00      0
## CSI056      0      0 1.959286e-05      0 0.000000e+00      0
## CSI066      0      0 1.916847e-05      0 0.000000e+00      0
##      0tu00616      0tu00617      0tu00618      0tu00619      0tu00620
## CSI002 1.362194e-05 2.996826e-04 5.857433e-04 0.000000e+00 0.000000e+00
## CSI013 1.917484e-04 2.876226e-04 1.438113e-03 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00 2.041025e-05 4.082049e-05 0.000000e+00 0.000000e+00
## CSI034 3.789817e-05 9.474542e-04 1.004301e-03 1.894908e-05 0.000000e+00
## CSI045 6.530186e-05 0.000000e+00 0.000000e+00 0.000000e+00 1.959056e-04
## CSI056 1.293129e-03 6.994651e-03 3.918572e-05 0.000000e+00 3.526715e-04
## CSI066 0.000000e+00 3.833694e-05 9.584236e-05 0.000000e+00 2.683586e-04
##      0tu00621 0tu00622 0tu00623      0tu00624      0tu00625 0tu00626
## CSI002 1.076133e-03      0      0 0.000000e+00 4.359020e-04      0
## CSI013 3.131891e-03      0      0 0.000000e+00 7.989518e-04      0
## CSI023 1.428717e-04      0      0 0.000000e+00 1.632820e-04      0
## CSI034 2.179145e-03      0      0 0.000000e+00 5.684725e-04      0
## CSI045 4.897639e-04      0      0 0.000000e+00 6.856695e-04      0
## CSI056 1.959286e-05      0      0 0.000000e+00 6.857501e-04      0
## CSI066 1.533478e-04      0      0 0.000000e+00 0.000000e+00      0
##      0tu00627 0tu00628      0tu00629      0tu00630      0tu00631

```

##	CSI002	2.315729e-04	0	7.628285e-04	2.043291e-04	0.000000e+00
##	CSI013	2.077275e-03	0	6.391614e-04	3.515388e-04	1.949442e-03
##	CSI023	1.020512e-04	0	2.041025e-05	2.041025e-05	0.000000e+00
##	CSI034	1.402232e-03	0	7.769124e-04	3.221344e-04	0.000000e+00
##	CSI045	0.000000e+00	0	3.265093e-05	0.000000e+00	6.530186e-05
##	CSI056	9.796430e-05	0	1.684986e-03	4.369208e-03	0.000000e+00
##	CSI066	2.683586e-04	0	5.367172e-04	3.833694e-05	2.108532e-04
##		0tu00632 0tu00633	0tu00634	0tu00635	0tu00636	0tu00637
##	CSI002	0	0	1.225974e-03	0	0.000000e+00
##	CSI013	0	0	2.876226e-04	0	6.072033e-04
##	CSI023	0	0	6.123074e-05	0	0.000000e+00
##	CSI034	0	0	4.358289e-04	0	0.000000e+00
##	CSI045	0	0	6.530186e-05	0	9.795279e-05
##	CSI056	0	0	1.763357e-03	0	2.155215e-04
##	CSI066	0	0	3.833694e-05	0	1.801836e-03
##		0tu00638 0tu00639	0tu00640	0tu00641	0tu00642	
##	CSI002	2.315729e-04	0	0.000000e+00	1.089755e-04	0
##	CSI013	6.391614e-04	0	0.000000e+00	1.278323e-04	0
##	CSI023	0.000000e+00	0	0.000000e+00	6.123074e-05	0
##	CSI034	4.168798e-04	0	3.789817e-05	2.084399e-04	0
##	CSI045	0.000000e+00	0	0.000000e+00	9.795279e-05	0
##	CSI056	1.959286e-04	0	0.000000e+00	4.702286e-04	0
##	CSI066	5.750542e-05	0	0.000000e+00	0.000000e+00	0
##		0tu00643 0tu00644	0tu00645	0tu00646	0tu00647	
##	CSI002	0.000000e+00	0.000000e+00	0.0000000000	6.674749e-04	0
##	CSI013	0.000000e+00	0.000000e+00	0.0000000000	3.195807e-03	0
##	CSI023	0.000000e+00	0.000000e+00	0.0000000000	8.164098e-05	0
##	CSI034	0.000000e+00	1.894908e-05	0.0000000000	1.838061e-03	0
##	CSI045	0.000000e+00	0.000000e+00	0.0000000000	1.306037e-04	0
##	CSI056	0.000000e+00	0.000000e+00	0.0000000000	1.371500e-04	0
##	CSI066	7.667389e-05	0.000000e+00	0.0007859073	4.217064e-04	0
##		0tu00648 0tu00649	0tu00650	0tu00651	0tu00652	0tu00653
##	CSI002	0	0	6.129872e-04	8.581820e-04	0
##	CSI013	0	0	1.757694e-03	1.821610e-03	0
##	CSI023	0	0	4.082049e-05	3.061537e-04	0
##	CSI034	0	0	3.183446e-03	1.838061e-03	0
##	CSI045	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0	2.351143e-04	1.959286e-05	0
##	CSI066	0	0	1.916847e-05	0.000000e+00	0
##		0tu00654 0tu00655	0tu00656	0tu00657	0tu00658	0tu00659
##	CSI002	0	0	0	1.498413e-04	0
##	CSI013	0	0	0	5.432872e-03	0
##	CSI023	0	0	0	2.041025e-05	0
##	CSI034	0	0	0	3.979308e-04	0
##	CSI045	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	1.916847e-05	0
##		0tu00660 0tu00661	0tu00662	0tu00663	0tu00664	0tu00665
##	CSI002	7.083407e-04	0	5.448775e-04	0	0
##	CSI013	2.364897e-03	0	6.391614e-05	0	0
##	CSI023	6.123074e-05	0	5.306664e-04	0	0
##	CSI034	1.345385e-03	0	1.515927e-04	0	0
##	CSI045	6.530186e-05	0	0.000000e+00	0	0
##	CSI056	1.567429e-04	0	0.000000e+00	0	0


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## CSI066 2.300217e-04      0 0.000000e+00      0      0      0
##      0tu00666      0tu00667      0tu00668      0tu00669      0tu00670
## CSI002 0.0000000000 0.0000000000 0.000000e+00 0.000000e+00 2.724387e-04
## CSI013 0.0003515388 0.0000000000 0.000000e+00 0.000000e+00 0.000000e+00
## CSI023 0.0002041025 0.0000000000 2.041025e-05 0.000000e+00 6.123074e-05
## CSI034 0.0002463381 0.0000000000 0.000000e+00 5.684725e-05 1.515927e-04
## CSI045 0.0000000000 0.0003591602 0.000000e+00 6.530186e-05 1.403990e-03
## CSI056 0.0002938929 0.0006661573 0.000000e+00 2.840965e-03 0.000000e+00
## CSI066 0.0000000000 0.0003833694 0.000000e+00 1.916847e-04 1.916847e-05
##      0tu00671 0tu00672      0tu00673 0tu00674      0tu00675 0tu00676
## CSI002 1.362194e-05      0 0.000000e+00      0 1.362194e-05      0
## CSI013 3.195807e-05      0 0.000000e+00      0 9.587421e-05      0
## CSI023 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI034 0.000000e+00      0 0.000000e+00      0 3.789817e-05      0
## CSI045 7.836223e-04      0 0.000000e+00      0 0.000000e+00      0
## CSI056 2.155215e-04      0 0.000000e+00      0 0.000000e+00      0
## CSI066 4.025379e-04      0 9.143361e-03      0 0.000000e+00      0
##      0tu00677      0tu00678      0tu00679      0tu00680 0tu00681
## CSI002 9.535356e-05 0.000000e+00 1.362194e-05 5.448775e-05      0
## CSI013 3.195807e-05 3.195807e-05 0.000000e+00 1.278323e-04      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 6.123074e-05      0
## CSI034 1.894908e-05 0.000000e+00 9.474542e-05 2.842363e-04      0
## CSI045 1.306037e-04 0.000000e+00 8.489242e-04 0.000000e+00      0
## CSI056 7.249358e-04 0.000000e+00 1.959286e-05 5.877858e-05      0
## CSI066 4.217064e-04 1.916847e-05 1.437635e-03 0.000000e+00      0
##      0tu00682      0tu00683 0tu00684 0tu00685 0tu00686      0tu00687
## CSI002      0 0.000000e+00      0      0      0 6.674749e-04
## CSI013      0 0.000000e+00      0      0      0 5.592662e-03
## CSI023      0 0.000000e+00      0      0      0 1.020512e-04
## CSI034      0 1.894908e-05      0      0      0 3.297141e-03
## CSI045      0 0.000000e+00      0      0      0 0.000000e+00
## CSI056      0 3.918572e-05      0      0      0 3.918572e-05
## CSI066      0 2.261880e-03      0      0      0 0.000000e+00
##      0tu00688      0tu00689      0tu00690      0tu00691 0tu00692
## CSI002      0 7.355846e-04 1.362194e-03 1.634632e-04      0
## CSI013      0 2.077275e-03 1.438113e-03 1.278323e-04      0
## CSI023      0 1.020512e-04 0.000000e+00 0.000000e+00      0
## CSI034      0 3.069752e-03 5.495234e-04 3.789817e-05      0
## CSI045      0 1.632546e-04 9.795279e-05 0.000000e+00      0
## CSI056      0 4.702286e-04 0.000000e+00 1.959286e-05      0
## CSI066      0 5.558857e-04 2.491901e-04 9.584236e-05      0
##      0tu00693 0tu00694 0tu00695 0tu00696      0tu00697      0tu00698
## CSI002 0.0000000000      0      0      0 5.176336e-04 1.362194e-05
## CSI013 0.0000000000      0      0      0 5.752453e-04 0.000000e+00
## CSI023 0.0000000000      0      0      0 1.224615e-04 0.000000e+00
## CSI034 0.0001515927      0      0      0 5.305743e-04 1.894908e-05
## CSI045 0.0000000000      0      0      0 1.306037e-04 3.591602e-04
## CSI056 0.0000000000      0      0      0 7.837144e-05 7.837144e-05
## CSI066 0.0000000000      0      0      0 2.683586e-04 0.000000e+00
##      0tu00699      0tu00700 0tu00701      0tu00702      0tu00703
## CSI002      0 0.000000e+00      0 3.541704e-04 0.000000e+00
## CSI013      0 0.000000e+00      0 9.587421e-04 0.000000e+00
## CSI023      0 0.000000e+00      0 6.123074e-05 0.000000e+00
## CSI034      0 1.894908e-05      0 1.648570e-03 0.000000e+00

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## CSI045      0 0.000000e+00      0 9.795279e-05 6.530186e-04
## CSI056      0 1.959286e-05      0 2.938929e-04 1.097200e-03
## CSI066      0 0.000000e+00      0 1.073434e-03 1.533478e-04
##           0tu00704 0tu00705 0tu00706 0tu00707 0tu00708 0tu00709
## CSI002 0.000000e+00      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0
## CSI034 1.894908e-05      0      0      0      0      0
## CSI045 8.815751e-04      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0
## CSI066 2.491901e-04      0      0      0      0      0
##           0tu00710      0tu00711 0tu00712 0tu00713 0tu00714 0tu00715
## CSI002 2.724387e-05 1.362194e-05      0      0      0      0
## CSI013 6.391614e-05 0.000000e+00      0      0      0      0
## CSI023 0.000000e+00 1.428717e-04      0      0      0      0
## CSI034 1.894908e-05 2.804464e-03      0      0      0      0
## CSI045 0.000000e+00 0.000000e+00      0      0      0      0
## CSI056 0.000000e+00 0.000000e+00      0      0      0      0
## CSI066 0.000000e+00 0.000000e+00      0      0      0      0
##           0tu00716      0tu00717 0tu00718 0tu00719 0tu00720      0tu00721
## CSI002 0.0000000000 2.588168e-04      0      0      0 0.000000e+00
## CSI013 0.0007989518 1.278323e-04      0      0      0 0.000000e+00
## CSI023 0.0000000000 6.123074e-05      0      0      0 0.000000e+00
## CSI034 0.0000000000 9.474542e-05      0      0      0 0.000000e+00
## CSI045 0.0000000000 0.000000e+00      0      0      0 3.265093e-05
## CSI056 0.0000979643 0.000000e+00      0      0      0 7.719587e-03
## CSI066 0.0000000000 0.000000e+00      0      0      0 1.150108e-04
##           0tu00722      0tu00723 0tu00724      0tu00725 0tu00726 0tu00727
## CSI002 2.043291e-04 1.634632e-04      0 9.535356e-05      0      0
## CSI013 1.054616e-03 3.195807e-05      0 1.917484e-04      0      0
## CSI023 2.041025e-05 0.000000e+00      0 0.000000e+00      0      0
## CSI034 1.212741e-03 1.894908e-04      0 8.148106e-04      0      0
## CSI045 6.530186e-05 0.000000e+00      0 1.632546e-04      0      0
## CSI056 1.508650e-03 0.000000e+00      0 1.371500e-04      0      0
## CSI066 7.667389e-05 0.000000e+00      0 1.533478e-04      0      0
##           0tu00728      0tu00729 0tu00730 0tu00731      0tu00732 0tu00733
## CSI002      0 0.000000e+00      0      0 0.000000e+00      0
## CSI013      0 0.000000e+00      0      0 0.000000e+00      0
## CSI023      0 0.000000e+00      0      0 0.000000e+00      0
## CSI034      0 0.000000e+00      0      0 0.000000e+00      0
## CSI045      0 3.265093e-05      0      0 4.897639e-04      0
## CSI056      0 1.332315e-03      0      0 4.310429e-04      0
## CSI066      0 9.200866e-04      0      0 0.000000e+00      0
##           0tu00734 0tu00735      0tu00736      0tu00737 0tu00738      0tu00739
## CSI002      0      0 5.448775e-05 1.362194e-05      0 2.724387e-04
## CSI013      0      0 0.000000e+00 0.000000e+00      0 1.086574e-03
## CSI023      0      0 0.000000e+00 0.000000e+00      0 6.123074e-05
## CSI034      0      0 1.894908e-05 0.000000e+00      0 4.358289e-04
## CSI045      0      0 3.918111e-04 0.000000e+00      0 3.265093e-05
## CSI056      0      0 4.310429e-04 0.000000e+00      0 2.938929e-04
## CSI066      0      0 2.875271e-04 0.000000e+00      0 5.750542e-05
##           0tu00740      0tu00741      0tu00742 0tu00743 0tu00744 0tu00745
## CSI002 7.900723e-04 0.000000e+00 9.535356e-04      0      0      0
## CSI013 1.310281e-03 0.000000e+00 3.515388e-04      0      0      0

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## CSI023 2.653332e-04 0.000000e+00 4.082049e-05 0 0 0
## CSI034 5.874216e-04 1.894908e-05 1.136945e-04 0 0 0
## CSI045 0.000000e+00 0.000000e+00 1.306037e-04 0 0 0
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00 0 0 0
## CSI066 0.000000e+00 0.000000e+00 1.533478e-04 0 0 0
## 0tu00746 0tu00747 0tu00748 0tu00749 0tu00750 0tu00751
## CSI002 0 0 6.810968e-05 0 0.000000e+00 1.225974e-04
## CSI013 0 0 1.278323e-04 0 6.391614e-05 7.030776e-04
## CSI023 0 0 0.000000e+00 0 0.000000e+00 1.224615e-04
## CSI034 0 0 2.463381e-04 0 5.154151e-03 1.117996e-03
## CSI045 0 0 3.265093e-05 0 0.000000e+00 3.265093e-05
## CSI056 0 0 9.796430e-05 0 0.000000e+00 5.877858e-05
## CSI066 0 0 3.642010e-04 0 0.000000e+00 0.000000e+00
## 0tu00752 0tu00753 0tu00754 0tu00755 0tu00756 0tu00757
## CSI002 0 0 0 0.0006674749 0 0
## CSI013 0 0 0 0.0005752453 0 0
## CSI023 0 0 0 0.0000000000 0 0
## CSI034 0 0 0 0.0003410835 0 0
## CSI045 0 0 0 0.0000000000 0 0
## CSI056 0 0 0 0.0000000000 0 0
## CSI066 0 0 0 0.0000000000 0 0
## 0tu00758 0tu00759 0tu00760 0tu00761 0tu00762
## CSI002 0.0004086581 0 2.724387e-05 0.000000e+00 0.000000e+00
## CSI013 0.0016937778 0 6.391614e-05 0.000000e+00 0.000000e+00
## CSI023 0.0005306664 0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 0.0016296212 0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI045 0.0000000000 0 1.959056e-04 0.000000e+00 3.265093e-05
## CSI056 0.0006857501 0 3.134858e-04 1.959286e-05 0.000000e+00
## CSI066 0.0002108532 0 7.284019e-04 0.000000e+00 0.000000e+00
## 0tu00763 0tu00764 0tu00765 0tu00766 0tu00767 0tu00768
## CSI002 1.498413e-04 0 0 0 0 1.498413e-04
## CSI013 3.515388e-04 0 0 0 0 1.917484e-04
## CSI023 4.082049e-05 0 0 0 0 0.000000e+00
## CSI034 3.031853e-04 0 0 0 0 4.168798e-04
## CSI045 2.938584e-04 0 0 0 0 9.795279e-05
## CSI056 1.959286e-04 0 0 0 0 2.547072e-04
## CSI066 1.916847e-05 0 0 0 0 2.875271e-04
## 0tu00769 0tu00770 0tu00771 0tu00772 0tu00773
## CSI002 0.000000e+00 0.000000e+00 5.176336e-04 0 0
## CSI013 0.000000e+00 0.000000e+00 2.237065e-04 0 0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0 0
## CSI034 0.000000e+00 1.894908e-05 1.212741e-03 0 0
## CSI045 0.000000e+00 0.000000e+00 6.530186e-05 0 0
## CSI056 0.000000e+00 0.000000e+00 1.763357e-04 0 0
## CSI066 1.916847e-05 0.000000e+00 1.533478e-04 0 0
## 0tu00774 0tu00775 0tu00776 0tu00777 0tu00778 0tu00779
## CSI002 1.362194e-05 0 0 0 0.000000e+00 0.000000e+00
## CSI013 0.000000e+00 0 0 0 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00 0 0 0 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00 0 0 0 0.000000e+00 1.894908e-05
## CSI045 1.306037e-04 0 0 0 0.000000e+00 6.530186e-05
## CSI056 5.290072e-04 0 0 0 1.959286e-05 5.877858e-05
## CSI066 1.150108e-04 0 0 0 0.000000e+00 5.750542e-05
## 0tu00780 0tu00781 0tu00782 0tu00783 0tu00784 0tu00785

```

##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu00786	0tu00787	0tu00788	0tu00789	0tu00790	0tu00791
##	CSI002	2.724387e-04	0	0.000000e+00	0	0	0.000000e+00
##	CSI013	4.154549e-04	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	3.221344e-04	0	0.000000e+00	0	0	0.000000e+00
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	5.550658e-04
##	CSI056	1.567429e-04	0	0.000000e+00	0	0	2.351143e-04
##	CSI066	2.875271e-04	0	0.000000e+00	0	0	1.686826e-03
##		0tu00792	0tu00793	0tu00794	0tu00795	0tu00796	
##	CSI002	4.086581e-05	0.0002996826	0.000000e+00	0.000000e+00	0	
##	CSI013	5.113291e-04	0.0017896520	0.000000e+00	0.000000e+00	0	
##	CSI023	2.041025e-05	0.0001224615	0.000000e+00	0.000000e+00	0	
##	CSI034	9.664033e-04	0.0003410835	1.894908e-05	0.000000e+00	0	
##	CSI045	3.591602e-04	0.0001306037	0.000000e+00	0.000000e+00	0	
##	CSI056	6.857501e-04	0.0006269715	2.978115e-03	0.000000e+00	0	
##	CSI066	0.000000e+00	0.0001725162	3.833694e-05	0.000000e+00	0	
##		0tu00797	0tu00798	0tu00799	0tu00800	0tu00801	
##	CSI002	5.448775e-05	0	3.677923e-04	0.000000e+00	0.000000e+00	
##	CSI013	9.587421e-05	0	1.246365e-03	0.000000e+00	2.237065e-04	
##	CSI023	0.000000e+00	0	1.224615e-04	0.000000e+00	6.123074e-05	
##	CSI034	7.579634e-05	0	7.011161e-04	0.000000e+00	1.894908e-05	
##	CSI045	0.000000e+00	0	1.959056e-04	9.795279e-05	1.306037e-04	
##	CSI056	3.918572e-05	0	0.000000e+00	1.743765e-03	1.959286e-05	
##	CSI066	3.833694e-05	0	9.584236e-05	7.092335e-04	4.408748e-04	
##		0tu00802	0tu00803	0tu00804	0tu00805	0tu00806	0tu00807
##	CSI002	8.173162e-05	5.448775e-04	6.810968e-04	0	0	0
##	CSI013	2.556646e-04	2.556646e-04	1.597904e-03	0	0	0
##	CSI023	0.000000e+00	6.123074e-05	4.082049e-05	0	0	0
##	CSI034	1.894908e-04	4.737271e-04	2.198094e-03	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	3.265093e-05	0	0	0
##	CSI056	9.796430e-05	3.918572e-05	0.000000e+00	0	0	0
##	CSI066	1.533478e-04	2.376890e-03	1.916847e-05	0	0	0
##		0tu00808	0tu00809	0tu00810	0tu00811	0tu00812	0tu00813
##	CSI002	2.315729e-04	0	0	4.086581e-05	0	0.000000e+00
##	CSI013	1.182449e-03	0	0	0.000000e+00	0	0.000000e+00
##	CSI023	6.123074e-05	0	0	0.000000e+00	0	0.000000e+00
##	CSI034	3.031853e-04	0	0	5.684725e-05	0	0.000000e+00
##	CSI045	3.265093e-05	0	0	0.000000e+00	0	0.000000e+00
##	CSI056	3.918572e-05	0	0	0.000000e+00	0	1.959286e-05
##	CSI066	2.108532e-04	0	0	0.000000e+00	0	7.667389e-05
##		0tu00814	0tu00815	0tu00816	0tu00817	0tu00818	0tu00819
##	CSI002	0	6.810968e-05	0	2.724387e-05	0	0.000000e+00
##	CSI013	0	6.391614e-05	0	3.195807e-05	0	0.000000e+00
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI034	0	4.168798e-04	0	3.031853e-04	0	1.894908e-05
##	CSI045	0	3.265093e-05	0	0.000000e+00	0	0.000000e+00
##	CSI056	0	1.645800e-03	0	1.959286e-05	0	0.000000e+00

##	CSI066	0	2.108532e-04	0	0.000000e+00	0	0.000000e+00
##		0tu00820	0tu00821	0tu00822	0tu00823	0tu00824	
##	CSI002	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI013	0	0	6.902943e-03	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI034	0	0	1.894908e-05	1.894908e-05	0.000000e+00	
##	CSI045	0	0	0.000000e+00	3.265093e-05	0.000000e+00	
##	CSI056	0	0	4.506358e-04	0.000000e+00	6.661573e-03	
##	CSI066	0	0	0.000000e+00	5.942226e-04	0.000000e+00	
##		0tu00825	0tu00826	0tu00827	0tu00828	0tu00829	0tu00830
##	CSI002	2.860607e-04	0.000000e+00	0	0.000000e+00	0	0
##	CSI013	6.391614e-04	0.000000e+00	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	1.155894e-03	0.000000e+00	0	1.894908e-05	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##		0tu00831	0tu00832	0tu00833	0tu00834	0tu00835	0tu00836
##	CSI002	0	0	0.000000e+00	0	0	0.0000000000
##	CSI013	0	0	0.000000e+00	0	0	0.0000000000
##	CSI023	0	0	0.000000e+00	0	0	0.0000000000
##	CSI034	0	0	1.894908e-05	0	0	0.0000000000
##	CSI045	0	0	0.000000e+00	0	0	0.0000000000
##	CSI056	0	0	0.000000e+00	0	0	0.0006465644
##	CSI066	0	0	0.000000e+00	0	0	0.0001150108
##		0tu00837	0tu00838	0tu00839	0tu00840	0tu00841	0tu00842
##	CSI002	1.362194e-05	0	0.000000e+00	0	0	4.767678e-04
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	2.876226e-04
##	CSI023	0.000000e+00	0	2.041025e-05	0	0	6.123074e-05
##	CSI034	0.000000e+00	0	5.684725e-05	0	0	3.031853e-04
##	CSI045	0.000000e+00	0	1.306037e-04	0	0	3.265093e-05
##	CSI056	0.000000e+00	0	9.796430e-05	0	0	3.330786e-04
##	CSI066	0.000000e+00	0	5.175487e-04	0	0	3.833694e-05
##		0tu00843	0tu00844	0tu00845	0tu00846	0tu00847	0tu00848
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0.0000000000
##	CSI013	3.195807e-05	0.000000e+00	0	0	0	0.0000000000
##	CSI023	0.000000e+00	2.041025e-05	0	0	0	0.0000000000
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0.0000000000
##	CSI045	3.265093e-05	0.000000e+00	0	0	0	0.0018284520
##	CSI056	0.000000e+00	1.959286e-05	0	0	0	0.0008229001
##	CSI066	1.916847e-05	4.792118e-04	0	0	0	0.0020893634
##		0tu00849	0tu00850	0tu00851	0tu00852	0tu00853	0tu00854
##	CSI002	0.000000e+00	0	0	0	2.724387e-05	0
##	CSI013	0.000000e+00	0	0	0	6.391614e-05	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	0	3.410835e-04	0
##	CSI045	0.000000e+00	0	0	0	3.591602e-04	0
##	CSI056	0.000000e+00	0	0	0	8.424930e-04	0
##	CSI066	0.000000e+00	0	0	0	1.150108e-04	0
##		0tu00855	0tu00856	0tu00857	0tu00858	0tu00859	
##	CSI002	0.0000000000	0.000000e+00	3.677923e-04	0.000000e+00	0.0000000000	
##	CSI013	0.0000000000	0.000000e+00	1.597904e-04	0.000000e+00	0.0000000000	
##	CSI023	0.0000000000	0.000000e+00	4.082049e-05	0.000000e+00	0.0000000000	
##	CSI034	0.0000000000	1.894908e-05	3.600326e-04	0.000000e+00	0.0001136945	

```

## CSI045 0.0000000000 3.265093e-05 3.265093e-05 0.000000e+00 0.0000000000
## CSI056 0.0104038089 1.430279e-03 7.837144e-05 0.000000e+00 0.0000000000
## CSI066 0.0000000000 1.916847e-04 3.833694e-05 0.000000e+00 0.0000000000
##      0tu00860 0tu00861 0tu00862      0tu00863 0tu00864      0tu00865
## CSI002      0      0      0 0.000000e+00      0 0.000000e+00
## CSI013      0      0      0 0.000000e+00      0 0.000000e+00
## CSI023      0      0      0 0.000000e+00      0 0.000000e+00
## CSI034      0      0      0 0.000000e+00      0 0.000000e+00
## CSI045      0      0      0 6.530186e-05      0 0.000000e+00
## CSI056      0      0      0 1.567429e-04      0 1.959286e-04
## CSI066      0      0      0 3.833694e-05      0 9.584236e-05
##      0tu00866      0tu00867 0tu00868      0tu00869      0tu00870 0tu00871
## CSI002      0 0.000000e+00      0 4.767678e-04 1.225974e-04      0
## CSI013      0 0.000000e+00      0 6.711195e-04 6.391614e-05      0
## CSI023      0 0.000000e+00      0 4.082049e-05 0.000000e+00      0
## CSI034      0 0.000000e+00      0 7.011161e-04 3.979308e-04      0
## CSI045      0 0.000000e+00      0 6.530186e-05 2.285565e-04      0
## CSI056      0 0.000000e+00      0 3.918572e-05 7.249358e-04      0
## CSI066      0 9.584236e-05      0 1.533478e-04 3.066955e-04      0
##      0tu00872      0tu00873 0tu00874 0tu00875      0tu00876      0tu00877
## CSI002      0 1.362194e-05      0      0 0.000000e+00 0.000000e+00
## CSI013      0 3.195807e-05      0      0 0.000000e+00 0.000000e+00
## CSI023      0 1.224615e-04      0      0 2.041025e-05 0.000000e+00
## CSI034      0 1.894908e-04      0      0 5.684725e-05 0.000000e+00
## CSI045      0 0.000000e+00      0      0 0.000000e+00 1.632546e-04
## CSI056      0 0.000000e+00      0      0 0.000000e+00 7.837144e-05
## CSI066      0 0.000000e+00      0      0 0.000000e+00 7.667389e-05
##      0tu00878 0tu00879 0tu00880 0tu00881      0tu00882      0tu00883
## CSI002      0      0      0      0 1.362194e-04 0.000000e+00
## CSI013      0      0      0      0 4.793711e-04 0.000000e+00
## CSI023      0      0      0      0 1.428717e-04 0.000000e+00
## CSI034      0      0      0      0 5.684725e-05 2.311788e-03
## CSI045      0      0      0      0 0.000000e+00 1.175433e-03
## CSI056      0      0      0      0 0.000000e+00 9.796430e-05
## CSI066      0      0      0      0 0.000000e+00 5.750542e-05
##      0tu00884      0tu00885      0tu00886      0tu00887 0tu00888
## CSI002 0.000000e+00 3.677923e-04 0.0000000000 1.225974e-04      0
## CSI013 0.000000e+00 8.628679e-04 0.0000000000 3.195807e-05      0
## CSI023 0.000000e+00 4.082049e-05 0.0000000000 4.082049e-05      0
## CSI034 0.000000e+00 6.442688e-04 0.0000000000 1.894908e-04      0
## CSI045 0.000000e+00 0.000000e+00 0.0000000000 1.959056e-04      0
## CSI056 0.000000e+00 5.681930e-04 0.0000000000 9.796430e-05      0
## CSI066 9.584236e-05 1.916847e-05 0.0000000000 7.667389e-05      0
##      0tu00889      0tu00890 0tu00891 0tu00892 0tu00893      0tu00894
## CSI002      0 0.000000e+00      0      0      0 5.448775e-05
## CSI013      0 6.391614e-05      0      0      0 6.391614e-05
## CSI023      0 0.000000e+00      0      0      0 0.000000e+00
## CSI034      0 1.894908e-05      0      0      0 1.705418e-04
## CSI045      0 1.306037e-04      0      0      0 9.795279e-05
## CSI056      0 1.332315e-03      0      0      0 5.486001e-04
## CSI066      0 5.367172e-04      0      0      0 3.162798e-03
##      0tu00895 0tu00896 0tu00897 0tu00898 0tu00899 0tu00900 0tu00901
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0

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##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu00902	0tu00903	0tu00904	0tu00905	0tu00906	
##	CSI002	4.086581e-05	1.362194e-05	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0.000000e+00	1.894908e-05	0	1.894908e-05	0	
##	CSI045	0.000000e+00	5.877167e-04	0	0.000000e+00	0	
##	CSI056	0.000000e+00	2.311958e-03	0	1.959286e-05	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##		0tu00907	0tu00908	0tu00909	0tu00910	0tu00911	
##	CSI002	1.907071e-04	0	2.315729e-04	0	0.000000e+00	
##	CSI013	2.237065e-04	0	6.391614e-05	0	0.000000e+00	
##	CSI023	4.082049e-05	0	6.123074e-05	0	0.000000e+00	
##	CSI034	1.515927e-04	0	1.705418e-04	0	7.579634e-05	
##	CSI045	6.530186e-05	0	0.000000e+00	0	0.000000e+00	
##	CSI056	3.134858e-04	0	0.000000e+00	0	0.000000e+00	
##	CSI066	5.750542e-05	0	0.000000e+00	0	3.833694e-05	
##		0tu00912	0tu00913	0tu00914	0tu00915	0tu00916	0tu00917
##	CSI002	4.086581e-05	0	9.535356e-05	0	1.116999e-03	0
##	CSI013	0.000000e+00	0	2.556646e-04	0	1.374197e-03	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	4.082049e-05	0
##	CSI034	0.000000e+00	0	4.737271e-04	0	1.894908e-03	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	9.796430e-05	0	5.877858e-05	0	3.526715e-04	0
##	CSI066	0.000000e+00	0	1.916847e-05	0	1.341793e-04	0
##		0tu00918	0tu00919	0tu00920	0tu00921	0tu00922	
##	CSI002	0	1.362194e-04	4.086581e-05	0.0000000000	3.133045e-04	
##	CSI013	0	1.374197e-03	9.587421e-05	0.0000000000	1.246365e-03	
##	CSI023	0	4.082049e-05	0.000000e+00	0.0000000000	1.428717e-04	
##	CSI034	0	8.906069e-04	1.515927e-04	0.0000000000	8.906069e-04	
##	CSI045	0	3.265093e-05	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI056	0	9.796430e-05	5.152922e-03	0.0011755716	3.134858e-04	
##	CSI066	0	0.000000e+00	0.000000e+00	0.0004792118	1.916847e-05	
##		0tu00923	0tu00924	0tu00925	0tu00926	0tu00927	0tu00928
##	CSI002	0	1.770852e-04	0	0.000000e+00	0	0
##	CSI013	0	3.195807e-05	0	0.000000e+00	0	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0	1.705418e-04	0	0.000000e+00	0	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	1.175572e-04	0	0.000000e+00	0	0
##	CSI066	0	0.000000e+00	0	1.916847e-05	0	0
##		0tu00929	0tu00930	0tu00931	0tu00932	0tu00933	
##	CSI002	0.000000e+00	1.362194e-05	0	0	1.362194e-05	
##	CSI013	0.000000e+00	1.597904e-04	0	0	1.917484e-04	
##	CSI023	0.000000e+00	0.000000e+00	0	0	1.020512e-04	
##	CSI034	0.000000e+00	1.515927e-04	0	0	7.011161e-04	
##	CSI045	3.265093e-05	0.000000e+00	0	0	9.795279e-05	
##	CSI056	1.626207e-03	2.155215e-04	0	0	5.877858e-05	
##	CSI066	1.725162e-04	2.108532e-04	0	0	4.217064e-04	
##		0tu00934	0tu00935	0tu00936	0tu00937	0tu00938	0tu00939

##	CSI002	3.269265e-04	1.089755e-04	0	0	0	4.495239e-04
##	CSI013	7.989518e-04	0.000000e+00	0	0	0	1.278323e-03
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	2.041025e-05
##	CSI034	4.547780e-04	9.474542e-05	0	0	0	7.390143e-04
##	CSI045	9.795279e-05	3.591602e-04	0	0	0	0.000000e+00
##	CSI056	5.877858e-05	1.959286e-05	0	0	0	1.175572e-04
##	CSI066	6.325596e-04	9.584236e-05	0	0	0	1.150108e-04
##		0tu00940	0tu00941	0tu00942	0tu00943	0tu00944	0tu00945
##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0	2.041025e-05
##	CSI034	0	0	1.894908e-05	0	0	5.684725e-05
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0	1.959286e-05	0	0	1.959286e-05
##	CSI066	0	0	0.000000e+00	0	0	2.300217e-04
##		0tu00946	0tu00947	0tu00948	0tu00949	0tu00950	0tu00951
##	CSI002	0	0.000000000	0.000000e+00	0	0.000000e+00	0
##	CSI013	0	0.000000000	0.000000e+00	0	0.000000e+00	0
##	CSI023	0	0.000000000	0.000000e+00	0	0.000000e+00	0
##	CSI034	0	0.000000000	0.000000e+00	0	1.894908e-05	0
##	CSI045	0	0.000000000	0.000000e+00	0	0.000000e+00	0
##	CSI056	0	0.000568193	3.918572e-05	0	0.000000e+00	0
##	CSI066	0	0.000000000	0.000000e+00	0	0.000000e+00	0
##		0tu00952	0tu00953	0tu00954	0tu00955	0tu00956	
##	CSI002	1.362194e-05	1.076133e-03	8.173162e-05	0	0	
##	CSI013	0.000000e+00	6.711195e-04	1.597904e-04	0	0	
##	CSI023	0.000000e+00	2.245127e-04	0.000000e+00	0	0	
##	CSI034	0.000000e+00	1.345385e-03	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0.000000e+00	9.795279e-05	0	0	
##	CSI056	0.000000e+00	0.000000e+00	7.837144e-05	0	0	
##	CSI066	0.000000e+00	1.916847e-05	1.341793e-04	0	0	
##		0tu00957	0tu00958	0tu00959	0tu00960	0tu00961	
##	CSI002	1.362194e-04	0	1.539279e-03	0	0.0000000000	
##	CSI013	8.628679e-04	0	4.154549e-04	0	0.0000000000	
##	CSI023	1.020512e-04	0	1.428717e-04	0	0.0000000000	
##	CSI034	7.579634e-04	0	3.221344e-04	0	0.0000000000	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.0002612074	
##	CSI056	0.000000e+00	0	0.000000e+00	0	0.0000000000	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.0000000000	
##		0tu00962	0tu00963	0tu00964	0tu00965	0tu00966	0tu00967
##	CSI002	0.000000e+00	0	1.089755e-04	0	0.000000e+00	0
##	CSI013	3.195807e-05	0	9.587421e-05	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	1.632820e-04	0	0.000000e+00	0
##	CSI034	1.326436e-04	0	1.705418e-04	0	0.000000e+00	0
##	CSI045	1.306037e-04	0	3.265093e-05	0	9.795279e-05	0
##	CSI056	0.000000e+00	0	7.445287e-04	0	4.702286e-04	0
##	CSI066	0.000000e+00	0	1.150108e-04	0	3.833694e-05	0
##		0tu00968	0tu00969	0tu00970	0tu00971	0tu00972	0tu00973
##	CSI002	0	1.770852e-04	0	1.362194e-05	0	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0	9.474542e-05	0	0.000000e+00	0	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0

## CSI066	0	1.341793e-04	0	0.000000e+00	0	0
##	0tu00974	0tu00975	0tu00976	0tu00977	0tu00978	0tu00979
## CSI002	0	0.000000e+00	0.0000000000	0	0	0.0000000000
## CSI013	0	0.000000e+00	0.0000000000	0	0	0.0000000000
## CSI023	0	0.000000e+00	0.0000000000	0	0	0.0000000000
## CSI034	0	0.000000e+00	0.0000000000	0	0	0.0000000000
## CSI045	0	3.265093e-05	0.0000000000	0	0	0.0005877167
## CSI056	0	0.000000e+00	0.0000000000	0	0	0.0000000000
## CSI066	0	7.859073e-04	0.001399298	0	0	0.0000000000
##	0tu00980	0tu00981	0tu00982	0tu00983	0tu00984	0tu00985
## CSI002	0.000000e+00	0	0.000000e+00	0	2.724387e-05	0
## CSI013	0.000000e+00	0	6.391614e-05	0	6.391614e-05	0
## CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
## CSI034	0.000000e+00	0	1.894908e-05	0	1.894908e-05	0
## CSI045	7.183204e-04	0	0.000000e+00	0	0.000000e+00	0
## CSI056	7.837144e-05	0	3.918572e-05	0	1.959286e-05	0
## CSI066	6.708965e-04	0	5.750542e-05	0	7.667389e-05	0
##	0tu00986	0tu00987	0tu00988	0tu00989	0tu00990	0tu00991
## CSI002	6.810968e-05	0	0	0	0.000000e+00	1.362194e-05
## CSI013	3.195807e-05	0	0	0	0.000000e+00	0.000000e+00
## CSI023	4.082049e-05	0	0	0	0.000000e+00	0.000000e+00
## CSI034	5.684725e-05	0	0	0	0.000000e+00	0.000000e+00
## CSI045	3.265093e-05	0	0	0	0.000000e+00	3.265093e-05
## CSI056	3.918572e-05	0	0	0	1.116793e-03	1.273536e-03
## CSI066	2.108532e-04	0	0	0	3.066955e-04	0.000000e+00
##	0tu00992	0tu00993	0tu00994	0tu00995	0tu00996	0tu00997
## CSI002	1.362194e-05	2.029669e-03	0	0	0.000000e+00	0
## CSI013	3.195807e-05	2.237065e-04	0	0	0.000000e+00	0
## CSI023	0.000000e+00	4.082049e-05	0	0	0.000000e+00	0
## CSI034	1.326436e-04	9.474542e-05	0	0	0.000000e+00	0
## CSI045	6.530186e-05	0.000000e+00	0	0	0.000000e+00	0
## CSI056	5.877858e-05	1.567429e-04	0	0	5.877858e-05	0
## CSI066	4.983803e-04	0.000000e+00	0	0	1.418467e-03	0
##	0tu00998	0tu00999	0tu01000	0tu01001	0tu01002	
## CSI002	0.000000e+00	0.000000e+00	0.000000e+00	4.086581e-05	0	
## CSI013	0.000000e+00	3.195807e-05	0.000000e+00	3.195807e-05	0	
## CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
## CSI034	0.000000e+00	1.894908e-05	0.000000e+00	3.221344e-04	0	
## CSI045	6.530186e-05	9.795279e-05	3.265093e-05	3.265093e-05	0	
## CSI056	1.763357e-04	1.959286e-05	1.959286e-05	1.959286e-05	0	
## CSI066	7.667389e-05	3.642010e-04	1.916847e-05	1.916847e-05	0	
##	0tu01003	0tu01004	0tu01005	0tu01006	0tu01007	0tu01008
## CSI002	0	0.000000e+00	1.362194e-05	0.000000e+00	0	0
## CSI013	0	0.000000e+00	2.237065e-04	0.000000e+00	0	0
## CSI023	0	0.000000e+00	2.041025e-05	0.000000e+00	0	0
## CSI034	0	0.000000e+00	1.307487e-03	0.000000e+00	0	0
## CSI045	0	0.000000e+00	1.306037e-04	1.403990e-03	0	0
## CSI056	0	3.918572e-05	1.959286e-05	1.959286e-05	0	0
## CSI066	0	3.066955e-04	0.000000e+00	1.341793e-04	0	0
##	0tu01009	0tu01010	0tu01011	0tu01012	0tu01013	0tu01014
## CSI002	0	0	0	1.089755e-04	0	7.900723e-04
## CSI013	0	0	0	6.391614e-05	0	5.432872e-04
## CSI023	0	0	0	0.000000e+00	0	6.123074e-05
## CSI034	0	0	0	1.136945e-04	0	8.527088e-04

##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI056	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI066	0	0	0	0.000000e+00	0	1.725162e-04
##		0tu01015	0tu01016	0tu01017	0tu01018	0tu01019	0tu01020 0tu01021
##	CSI002	0	0	0	0	0	0.000000e+00 0
##	CSI013	0	0	0	0	0	0.000000e+00 0
##	CSI023	0	0	0	0	0	0.000000e+00 0
##	CSI034	0	0	0	0	0	0.000000e+00 0
##	CSI045	0	0	0	0	0	0.000000e+00 0
##	CSI056	0	0	0	0	0	3.526715e-04 0
##	CSI066	0	0	0	0	0	5.750542e-05 0
##		0tu01022	0tu01023	0tu01024	0tu01025	0tu01026	0tu01027
##	CSI002	0	0.000000e+00	0	0	8.173162e-05	0.000000e+00
##	CSI013	0	0.000000e+00	0	0	2.556646e-04	0.000000e+00
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI034	0	0.000000e+00	0	0	4.168798e-04	1.894908e-05
##	CSI045	0	0.000000e+00	0	0	3.265093e-05	2.285565e-04
##	CSI056	0	0.000000e+00	0	0	1.959286e-05	5.290072e-04
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	2.683586e-04
##		0tu01028	0tu01029	0tu01030	0tu01031	0tu01032	0tu01033
##	CSI002	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI034	0	1.894908e-05	0	0	0	0.000000e+00
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00
##		0tu01034	0tu01035	0tu01036	0tu01037	0tu01038	
##	CSI002	0	0.000000000	0.000000e+00	0.000000e+00	0	
##	CSI013	0	0.000000000	0.000000e+00	0.000000e+00	0	
##	CSI023	0	0.000000000	0.000000e+00	0.000000e+00	0	
##	CSI034	0	0.000000000	5.684725e-05	1.894908e-05	0	
##	CSI045	0	0.000000000	1.632546e-04	0.000000e+00	0	
##	CSI056	0	0.004859029	3.918572e-04	0.000000e+00	0	
##	CSI066	0	0.000000000	7.667389e-05	0.000000e+00	0	
##		0tu01039	0tu01040	0tu01041	0tu01042	0tu01043	
##	CSI002	0.000000e+00	0	2.043291e-04	0.000000e+00	5.448775e-05	
##	CSI013	3.195807e-04	0	9.587421e-04	0.000000e+00	2.237065e-04	
##	CSI023	0.000000e+00	0	8.164098e-05	0.000000e+00	0.000000e+00	
##	CSI034	3.789817e-05	0	9.285051e-04	1.894908e-05	1.136945e-04	
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0	5.877858e-05	0.000000e+00	1.155979e-03	
##	CSI066	0.000000e+00	0	3.833694e-05	0.000000e+00	3.450325e-04	
##		0tu01044	0tu01045	0tu01046	0tu01047	0tu01048	0tu01049
##	CSI002	0	0	0.000000e+00	0	8.309381e-04	0
##	CSI013	0	0	0.000000e+00	0	2.300981e-03	0
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	0	0	0.000000e+00	0	3.789817e-04	0
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0	0	6.325596e-04	0	1.916847e-05	0
##		0tu01050	0tu01051	0tu01052	0tu01053	0tu01054	0tu01055
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	3.195807e-05

##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	2.155215e-04
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu01056	0tu01057	0tu01058	0tu01059	0tu01060	0tu01061
##	CSI002	0.0000000000	0	0	0.000000e+00	0	2.724387e-05
##	CSI013	0.0000000000	0	0	6.391614e-05	0	0.000000e+00
##	CSI023	0.0000000000	0	0	6.123074e-05	0	0.000000e+00
##	CSI034	0.0000000000	0	0	1.326436e-04	0	0.000000e+00
##	CSI045	0.0003591602	0	0	0.000000e+00	0	3.265093e-05
##	CSI056	0.0001959286	0	0	3.134858e-04	0	5.877858e-05
##	CSI066	0.0000000000	0	0	0.000000e+00	0	1.916847e-05
##		0tu01062	0tu01063	0tu01064	0tu01065	0tu01066	0tu01067
##	CSI002	1.362194e-05	0.000000e+00	0	0	0	1.362194e-04
##	CSI013	3.195807e-05	0.000000e+00	0	0	0	1.597904e-04
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	1.193792e-03
##	CSI045	1.632546e-04	1.632546e-04	0	0	0	0.000000e+00
##	CSI056	6.269715e-04	9.796430e-05	0	0	0	0.000000e+00
##	CSI066	0.000000e+00	1.341793e-04	0	0	0	0.000000e+00
##		0tu01068	0tu01069	0tu01070	0tu01071	0tu01072	
##	CSI002	1.225974e-04	0	5.448775e-05	1.035267e-03	0	
##	CSI013	1.917484e-04	0	6.391614e-05	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##	CSI034	2.084399e-04	0	1.136945e-04	3.031853e-04	0	
##	CSI045	0.000000e+00	0	0.000000e+00	8.815751e-04	0	
##	CSI056	3.526715e-04	0	1.959286e-05	9.796430e-04	0	
##	CSI066	0.000000e+00	0	1.150108e-04	2.108532e-04	0	
##		0tu01073	0tu01074	0tu01075	0tu01076	0tu01077	
##	CSI002	0.000000e+00	0.000000e+00	2.451949e-04	0.000000e+00	0	
##	CSI013	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI023	0.000000e+00	6.123074e-05	2.041025e-05	0.000000e+00	0	
##	CSI034	0.000000e+00	0.000000e+00	1.894908e-04	0.000000e+00	0	
##	CSI045	0.000000e+00	0.000000e+00	0.000000e+00	2.938584e-04	0	
##	CSI056	0.000000e+00	0.000000e+00	0.000000e+00	7.837144e-05	0	
##	CSI066	0.000000e+00	1.725162e-04	0.000000e+00	3.450325e-04	0	
##		0tu01078	0tu01079	0tu01080	0tu01081	0tu01082	
##	CSI002	0.000000e+00	0	6.538530e-04	0.000000e+00	2.315729e-04	
##	CSI013	9.587421e-05	0	1.406155e-03	0.000000e+00	4.474130e-04	
##	CSI023	0.000000e+00	0	8.164098e-05	0.000000e+00	4.082049e-05	
##	CSI034	5.684725e-05	0	8.148106e-04	0.000000e+00	7.769124e-04	
##	CSI045	5.224149e-04	0	6.530186e-05	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0	3.918572e-05	2.390329e-03	0.000000e+00	
##	CSI066	0.000000e+00	0	1.341793e-04	0.000000e+00	1.916847e-05	
##		0tu01083	0tu01084	0tu01085	0tu01086	0tu01087	0tu01088
##	CSI002	0.000000e+00	1.362194e-05	3.677923e-04	0	0	0
##	CSI013	3.195807e-05	0.000000e+00	4.474130e-04	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	2.041025e-05	0	0	0
##	CSI034	0.000000e+00	1.705418e-04	4.547780e-04	0	0	0
##	CSI045	0.000000e+00	3.265093e-05	3.265093e-05	0	0	0
##	CSI056	1.371500e-04	7.837144e-05	1.175572e-04	0	0	0
##	CSI066	1.725162e-04	1.916847e-05	3.833694e-05	0	0	0
##		0tu01089	0tu01090	0tu01091	0tu01092	0tu01093	0tu01094
##							0tu01095

##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	3.195807e-05
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	5.684725e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu01096	0tu01097	0tu01098	0tu01099	0tu01100	0tu01101	
##	CSI002	0	0	0	5.448775e-05	0	0	0.000000e+00
##	CSI013	0	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0	0	0	2.694152e-03	0	0	0.000000e+00
##	CSI034	0	0	0	0.000000e+00	0	1.894908e-05	
##	CSI045	0	0	0	0.000000e+00	0	6.530186e-05	
##	CSI056	0	0	0	0.000000e+00	0	1.371500e-04	
##	CSI066	0	0	0	0.000000e+00	0	7.667389e-05	
##		0tu01102	0tu01103	0tu01104	0tu01105	0tu01106	0tu01107	
##	CSI002	0	2.860607e-04	0	0.000000e+00	0	0	
##	CSI013	0	3.195807e-04	0	0.000000e+00	0	0	
##	CSI023	0	3.265639e-04	0	0.000000e+00	0	0	
##	CSI034	0	1.042200e-03	0	1.894908e-05	0	0	
##	CSI045	0	0.000000e+00	0	1.371339e-03	0	0	
##	CSI056	0	0.000000e+00	0	3.918572e-05	0	0	
##	CSI066	0	0.000000e+00	0	2.875271e-04	0	0	
##		0tu01108	0tu01109	0tu01110	0tu01111	0tu01112		
##	CSI002	0	0	0.000000e+00	0.000000e+00	2.724387e-05		
##	CSI013	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI023	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI034	0	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI045	0	0	0.000000e+00	3.265093e-04	2.285565e-04		
##	CSI056	0	0	0.000000e+00	1.077607e-03	4.310429e-04		
##	CSI066	0	0	1.916847e-05	2.875271e-04	2.491901e-04		
##		0tu01113	0tu01114	0tu01115	0tu01116	0tu01117	0tu01118	
##	CSI002	1.362194e-05	0	0	1.362194e-05	0	0	
##	CSI013	9.587421e-05	0	0	1.597904e-04	0	0	
##	CSI023	2.041025e-05	0	0	0.000000e+00	0	0	
##	CSI034	2.842363e-04	0	0	5.684725e-04	0	0	
##	CSI045	6.530186e-05	0	0	2.612074e-04	0	0	
##	CSI056	7.837144e-05	0	0	1.567429e-04	0	0	
##	CSI066	1.916847e-04	0	0	4.217064e-04	0	0	
##		0tu01119	0tu01120	0tu01121	0tu01122	0tu01123		
##	CSI002	0.000000e+00	5.448775e-05	2.451949e-04	0	0.000000e+00		
##	CSI013	0.000000e+00	6.391614e-05	9.587421e-04	0	0.000000e+00		
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00		
##	CSI034	0.000000e+00	1.515927e-04	8.148106e-04	0	0.000000e+00		
##	CSI045	9.795279e-05	0.000000e+00	1.632546e-04	0	3.265093e-05		
##	CSI056	2.155215e-04	5.877858e-05	1.763357e-04	0	2.743000e-04		
##	CSI066	2.300217e-04	2.491901e-04	7.667389e-05	0	3.833694e-05		
##		0tu01124	0tu01125	0tu01126	0tu01127	0tu01128		
##	CSI002	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI034	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI045	3.265093e-05	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI056	9.796430e-05	0	0.000000e+00	0.000000e+00	0.000000e+00		

```

## CSI066 7.667389e-05      0 1.916847e-05 0.000000e+00 3.833694e-05
##      0tu01129      0tu01130 0tu01131      0tu01132 0tu01133      0tu01134
## CSI002      0 0.000000e+00      0 0.000000e+00      0 1.362194e-05
## CSI013      0 0.000000e+00      0 0.000000e+00      0 0.000000e+00
## CSI023      0 0.000000e+00      0 0.000000e+00      0 0.000000e+00
## CSI034      0 0.000000e+00      0 0.000000e+00      0 0.000000e+00
## CSI045      0 2.285565e-04      0 0.000000e+00      0 1.198289e-02
## CSI056      0 0.000000e+00      0 0.000000e+00      0 0.000000e+00
## CSI066      0 3.833694e-05      0 0.000000e+00      0 1.916847e-05
##      0tu01135 0tu01136 0tu01137      0tu01138 0tu01139      0tu01140
## CSI002      0      0      0 9.535356e-05      0 0.000000e+00
## CSI013      0      0      0 6.391614e-04      0 6.391614e-05
## CSI023      0      0      0 0.000000e+00      0 0.000000e+00
## CSI034      0      0      0 3.410835e-04      0 0.000000e+00
## CSI045      0      0      0 5.550658e-04      0 0.000000e+00
## CSI056      0      0      0 0.000000e+00      0 7.837144e-05
## CSI066      0      0      0 0.000000e+00      0 0.000000e+00
##      0tu01141 0tu01142      0tu01143      0tu01144 0tu01145 0tu01146
## CSI002 0.000000e+00      0 4.086581e-04 0.000000e+00      0      0
## CSI013 0.000000e+00      0 6.391614e-05 0.000000e+00      0      0
## CSI023 0.000000e+00      0 2.041025e-05 0.000000e+00      0      0
## CSI034 0.000000e+00      0 2.463381e-04 5.684725e-05      0      0
## CSI045 0.000000e+00      0 6.530186e-05 0.000000e+00      0      0
## CSI056 2.351143e-04      0 1.959286e-05 0.000000e+00      0      0
## CSI066 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
##      0tu01147      0tu01148 0tu01149      0tu01150      0tu01151
## CSI002 0.0000000000 0.0001907071      0 0.000000e+00 0.000000e+00
## CSI013 0.0000000000 0.0001917484      0 0.000000e+00 0.000000e+00
## CSI023 0.0000000000 0.0000000000      0 0.000000e+00 0.000000e+00
## CSI034 0.0000000000 0.0003979308      0 0.000000e+00 0.000000e+00
## CSI045 0.0001632546 0.0000000000      0 9.795279e-05 0.000000e+00
## CSI056 0.0006661573 0.0000000000      0 9.796430e-05 3.918572e-05
## CSI066 0.0000000000 0.0000000000      0 1.725162e-04 0.000000e+00
##      0tu01152      0tu01153 0tu01154 0tu01155 0tu01156 0tu01157
## CSI002 9.535356e-05 1.362194e-04      0      0      0      0
## CSI013 1.597904e-04 1.597904e-04      0      0      0      0
## CSI023 0.000000e+00 0.000000e+00      0      0      0      0
## CSI034 5.305743e-04 0.000000e+00      0      0      0      0
## CSI045 5.877167e-04 0.000000e+00      0      0      0      0
## CSI056 3.918572e-05 1.959286e-05      0      0      0      0
## CSI066 1.073434e-03 0.000000e+00      0      0      0      0
##      0tu01158      0tu01159      0tu01160 0tu01161 0tu01162 0tu01163
## CSI002 5.448775e-05 1.362194e-05 0.000000e+00      0      0      0
## CSI013 2.237065e-04 0.000000e+00 0.000000e+00      0      0      0
## CSI023 4.082049e-05 0.000000e+00 2.449230e-04      0      0      0
## CSI034 3.031853e-04 3.979308e-04 0.000000e+00      0      0      0
## CSI045 0.000000e+00 5.224149e-04 3.265093e-05      0      0      0
## CSI056 0.000000e+00 1.763357e-04 3.918572e-05      0      0      0
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
##      0tu01164 0tu01165      0tu01166      0tu01167 0tu01168 0tu01169
## CSI002 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI013 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI034 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0

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##	CSI045	1.632546e-04	0	3.265093e-05	0.000000e+00	0	0	
##	CSI056	7.837144e-05	0	5.877858e-05	4.094908e-03	0	0	
##	CSI066	7.667389e-05	0	9.009182e-04	7.667389e-05	0	0	
##		Otu01170	Otu01171	Otu01172	Otu01173	Otu01174		
##	CSI002	0	0.000000e+00	0	0.000000e+00	1.362194e-04		
##	CSI013	0	0.000000e+00	0	0.000000e+00	1.150491e-03		
##	CSI023	0	0.000000e+00	0	2.041025e-05	4.082049e-05		
##	CSI034	0	0.000000e+00	0	2.273890e-04	4.358289e-04		
##	CSI045	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI056	0	3.918572e-05	0	1.959286e-05	0.000000e+00		
##	CSI066	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##		Otu01175	Otu01176	Otu01177	Otu01178	Otu01179		
##	CSI002	2.315729e-04	0.000000e+00	1.907071e-04	0.0000000000	1.225974e-04		
##	CSI013	2.556646e-04	0.000000e+00	6.391614e-05	0.0000000000	0.000000e+00		
##	CSI023	1.020512e-04	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00		
##	CSI034	7.200652e-04	0.000000e+00	7.579634e-05	0.0001705418	1.326436e-04		
##	CSI045	0.000000e+00	0.000000e+00	6.530186e-05	0.0000000000	9.795279e-05		
##	CSI056	0.000000e+00	0.000000e+00	1.430279e-03	0.0000000000	5.877858e-05		
##	CSI066	0.000000e+00	0.000000e+00	1.150108e-04	0.0000000000	1.916847e-05		
##		Otu01180	Otu01181	Otu01182	Otu01183	Otu01184	Otu01185	
##	CSI002	2.179510e-04	0.000000e+00	0	0	2.315729e-04	0	
##	CSI013	2.237065e-04	0.000000e+00	0	0	1.278323e-04	0	
##	CSI023	2.041025e-05	0.000000e+00	0	0	0.000000e+00	0	
##	CSI034	4.737271e-04	0.000000e+00	0	0	1.800163e-03	0	
##	CSI045	0.000000e+00	3.265093e-05	0	0	6.530186e-05	0	
##	CSI056	1.959286e-05	1.567429e-04	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	1.916847e-05	0	0	0.000000e+00	0	
##		Otu01186	Otu01187	Otu01188	Otu01189	Otu01190	Otu01191	Otu01192
##	CSI002	0	0	0	5.448775e-05	0	0	0
##	CSI013	0	0	0	1.278323e-04	0	0	0
##	CSI023	0	0	0	2.041025e-05	0	0	0
##	CSI034	0	0	0	1.572774e-03	0	0	0
##	CSI045	0	0	0	3.265093e-05	0	0	0
##	CSI056	0	0	0	9.796430e-04	0	0	0
##	CSI066	0	0	0	3.833694e-04	0	0	0
##		Otu01193	Otu01194	Otu01195	Otu01196	Otu01197	Otu01198	
##	CSI002	5.584994e-04	0	0	0	0.000000e+00	2.724387e-05	
##	CSI013	9.587421e-05	0	0	0	6.391614e-05	2.876226e-04	
##	CSI023	2.041025e-05	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	3.221344e-04	0	0	0	3.789817e-05	5.116253e-04	
##	CSI045	0.000000e+00	0	0	0	9.795279e-05	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	1.916847e-05	0	0	0	0.000000e+00	0.000000e+00	
##		Otu01199	Otu01200	Otu01201	Otu01202	Otu01203	Otu01204	
##	CSI002	0	0	0	0.000000e+00	0	0	
##	CSI013	0	0	0	3.195807e-05	0	0	
##	CSI023	0	0	0	0.000000e+00	0	0	
##	CSI034	0	0	0	0.000000e+00	0	0	
##	CSI045	0	0	0	0.000000e+00	0	0	
##	CSI056	0	0	0	0.000000e+00	0	0	
##	CSI066	0	0	0	0.000000e+00	0	0	
##		Otu01205	Otu01206	Otu01207	Otu01208	Otu01209		
##	CSI002	0.000000e+00	0.000000e+00	1.362194e-05	0	0.000000e+00		
##	CSI013	0.000000e+00	0.000000e+00	6.391614e-05	0	0.000000e+00		

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## CSI023 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI034 0.000000e+00 5.684725e-05 0.000000e+00      0 0.000000e+00
## CSI045 0.000000e+00 5.224149e-04 0.000000e+00      0 1.632546e-04
## CSI056 0.000000e+00 3.526715e-04 0.000000e+00      0 1.175572e-04
## CSI066 3.833694e-05 7.667389e-04 0.000000e+00      0 3.833694e-05
##      0tu01210      0tu01211 0tu01212      0tu01213 0tu01214      0tu01215
## CSI002      0 0.0000000000      0 1.089755e-04      0 4.086581e-05
## CSI013      0 0.0000000000      0 6.391614e-05      0 0.000000e+00
## CSI023      0 0.0000000000      0 1.020512e-04      0 0.000000e+00
## CSI034      0 0.0000000000      0 0.000000e+00      0 3.600326e-04
## CSI045      0 0.0009142260      0 0.000000e+00      0 1.959056e-04
## CSI056      0 0.0002938929      0 1.959286e-05      0 1.371500e-04
## CSI066      0 0.0000000000      0 0.000000e+00      0 9.584236e-05
##      0tu01216      0tu01217 0tu01218 0tu01219      0tu01220
## CSI002 0.000000e+00 6.129872e-04      0      0 0.000000e+00
## CSI013 0.000000e+00 5.432872e-04      0      0 0.000000e+00
## CSI023 0.000000e+00 1.632820e-04      0      0 0.000000e+00
## CSI034 0.000000e+00 7.011161e-04      0      0 0.000000e+00
## CSI045 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI056 0.000000e+00 1.959286e-05      0      0 1.567429e-04
## CSI066 4.408748e-03 0.000000e+00      0      0 5.750542e-05
##      0tu01221 0tu01222 0tu01223 0tu01224      0tu01225      0tu01226
## CSI002 2.179510e-04      0      0      0 0.000000e+00 0.000000e+00
## CSI013 7.030776e-04      0      0      0 0.000000e+00 3.195807e-05
## CSI023 8.164098e-05      0      0      0 0.000000e+00 0.000000e+00
## CSI034 2.652872e-04      0      0      0 0.000000e+00 1.894908e-05
## CSI045 0.000000e+00      0      0      0 9.795279e-05 1.926405e-03
## CSI056 0.000000e+00      0      0      0 1.567429e-04 0.000000e+00
## CSI066 0.000000e+00      0      0      0 2.683586e-04 3.642010e-04
##      0tu01227      0tu01228 0tu01229 0tu01230      0tu01231 0tu01232
## CSI002 0.0001907071 0.000000e+00      0      0 2.724387e-05      0
## CSI013 0.0001597904 0.000000e+00      0      0 9.587421e-05      0
## CSI023 0.0000000000 0.000000e+00      0      0 4.082049e-05      0
## CSI034 0.0005305743 0.000000e+00      0      0 3.789817e-05      0
## CSI045 0.0000000000 0.000000e+00      0      0 0.000000e+00      0
## CSI056 0.0000000000 0.000000e+00      0      0 4.702286e-04      0
## CSI066 0.0000000000 0.000000e+00      0      0 0.000000e+00      0
##      0tu01233 0tu01234 0tu01235      0tu01236 0tu01237      0tu01238
## CSI002 0.000000e+00      0      0 1.362194e-05      0 0.000000e+00
## CSI013 0.000000e+00      0      0 1.917484e-04      0 0.000000e+00
## CSI023 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI034 0.000000e+00      0      0 0.000000e+00      0 1.894908e-05
## CSI045 3.918111e-04      0      0 0.000000e+00      0 0.000000e+00
## CSI056 4.114501e-04      0      0 5.877858e-05      0 0.000000e+00
## CSI066 1.916847e-04      0      0 5.750542e-05      0 0.000000e+00
##      0tu01239 0tu01240      0tu01241 0tu01242      0tu01243 0tu01244
## CSI002      0      0 9.535356e-05      0 0.000000e+00      0
## CSI013      0      0 9.587421e-05      0 0.000000e+00      0
## CSI023      0      0 2.041025e-05      0 0.000000e+00      0
## CSI034      0      0 2.084399e-04      0 0.000000e+00      0
## CSI045      0      0 0.000000e+00      0 0.000000e+00      0
## CSI056      0      0 0.000000e+00      0 0.000000e+00      0
## CSI066      0      0 1.916847e-05      0 9.584236e-05      0
##      0tu01245 0tu01246 0tu01247      0tu01248 0tu01249 0tu01250

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##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	7.579634e-05	0	0	1.894908e-05	0	0
##	CSI045	3.265093e-05	0	0	0.000000e+00	0	0
##	CSI056	3.722643e-04	0	0	1.959286e-05	0	0
##	CSI066	3.833694e-04	0	0	0.000000e+00	0	0
##		Otu01251	Otu01252	Otu01253	Otu01254	Otu01255	Otu01256
##	CSI002	0	0.00000000	0	0	5.448775e-05	0.000000e+00
##	CSI013	0	0.00000000	0	0	9.587421e-05	6.391614e-05
##	CSI023	0	0.00000000	0	0	2.041025e-05	0.000000e+00
##	CSI034	0	0.00000000	0	0	0.000000e+00	0.000000e+00
##	CSI045	0	0.00000000	0	0	0.000000e+00	6.530186e-05
##	CSI056	0	0.00000000	0	0	1.763357e-04	1.371500e-03
##	CSI066	0	0.00000000	0	0	3.833694e-05	1.150108e-04
##		Otu01257	Otu01258	Otu01259	Otu01260	Otu01261	
##	CSI002	0	0.000000e+00	0	1.362194e-04	0.000000e+00	
##	CSI013	0	0.000000e+00	0	1.597904e-04	0.000000e+00	
##	CSI023	0	2.041025e-05	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0.000000e+00	0	2.842363e-04	0.000000e+00	
##	CSI045	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0.000000e+00	0	1.959286e-05	1.959286e-05	
##	CSI066	0	0.000000e+00	0	7.667389e-05	0.000000e+00	
##		Otu01262	Otu01263	Otu01264	Otu01265	Otu01266	Otu01267
##	CSI002	0.000000e+00	4.086581e-05	0	0	1.362194e-05	0
##	CSI013	3.195807e-05	1.917484e-04	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	3.789817e-05	2.273890e-04	0	0	1.894908e-05	0
##	CSI045	0.000000e+00	3.265093e-05	0	0	1.632546e-04	0
##	CSI056	3.918572e-05	1.959286e-05	0	0	2.155215e-04	0
##	CSI066	7.667389e-05	1.725162e-04	0	0	9.584236e-05	0
##		Otu01268	Otu01269	Otu01270	Otu01271	Otu01272	Otu01273
##	CSI002	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI013	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI034	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI045	0	0	0	9.795279e-04	0	1.959056e-04
##	CSI056	0	0	0	1.959286e-05	0	3.918572e-05
##	CSI066	0	0	0	0.000000e+00	0	0.000000e+00
##		Otu01274	Otu01275	Otu01276	Otu01277	Otu01278	Otu01279
##	CSI002	0	0.0000000000	0.000000e+00	0	0	0
##	CSI013	0	0.0000000000	0.000000e+00	0	0	0
##	CSI023	0	0.0000000000	0.000000e+00	0	0	0
##	CSI034	0	0.0000000000	0.000000e+00	0	0	0
##	CSI045	0	0.0000000000	6.530186e-05	0	0	0
##	CSI056	0	0.0008620859	0.000000e+00	0	0	0
##	CSI066	0	0.0001916847	0.000000e+00	0	0	0
##		Otu01280	Otu01281	Otu01282	Otu01283	Otu01284	Otu01285
##	CSI002	0.000000e+00	0	0	0	0	4.086581e-05
##	CSI013	0.000000e+00	0	0	0	0	3.195807e-05
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	0.000000e+00	0	0	0	0	9.474542e-05
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	1.763357e-04

##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu01286	0tu01287	0tu01288	0tu01289	0tu01290	0tu01291 0tu01292
##	CSI002	0	0	0	0	0	0.000000e+00 0
##	CSI013	0	0	0	0	0	0.000000e+00 0
##	CSI023	0	0	0	0	0	0.000000e+00 0
##	CSI034	0	0	0	0	0	0.000000e+00 0
##	CSI045	0	0	0	0	0	0.000000e+00 0
##	CSI056	0	0	0	0	0	0.000000e+00 0
##	CSI066	0	0	0	0	0	0.000000e+00 0
##		0tu01293	0tu01294	0tu01295	0tu01296	0tu01297	0tu01298 0tu01299
##	CSI002	0	0	0	0	1.362194e-05	0 0
##	CSI013	0	0	0	0	3.195807e-05	0 0
##	CSI023	0	0	0	0	0.000000e+00	0 0
##	CSI034	0	0	0	0	2.084399e-04	0 0
##	CSI045	0	0	0	0	0.000000e+00	0 0
##	CSI056	0	0	0	0	1.077607e-03	0 0
##	CSI066	0	0	0	0	0.000000e+00	0 0
##		0tu01300	0tu01301	0tu01302	0tu01303	0tu01304	0tu01305
##	CSI002	0	0	0.0000000000	0	0	0
##	CSI013	0	0	0.0000000000	0	0	0
##	CSI023	0	0	0.0000000000	0	0	0
##	CSI034	0	0	0.0000000000	0	0	0
##	CSI045	0	0	0.0000000000	0	0	0
##	CSI056	0	0	0.0000000000	0	0	0
##	CSI066	0	0	0.0002683586	0	0	0
##		0tu01306	0tu01307	0tu01308	0tu01309	0tu01310	0tu01311
##	CSI002	0.0000000000	0	0	0	0	0.000000e+00
##	CSI013	0.0000000000	0	0	0	0	0.000000e+00
##	CSI023	0.0000000000	0	0	0	0	0.000000e+00
##	CSI034	0.0000000000	0	0	0	0	0.000000e+00
##	CSI045	0.0000000000	0	0	0	0	0.000000e+00
##	CSI056	0.0000000000	0	0	0	0	1.959286e-05
##	CSI066	0.0000000000	0	0	0	0	0.000000e+00
##		0tu01312	0tu01313	0tu01314	0tu01315	0tu01316	
##	CSI002	0	0.0000000000	0	0.000000e+00	0.0000000000	
##	CSI013	0	0.0000000000	0	0.000000e+00	0.0000000000	
##	CSI023	0	0.0000000000	0	0.000000e+00	0.0000000000	
##	CSI034	0	0.0000000000	0	0.000000e+00	0.0000000000	
##	CSI045	0	0.0006530186	0	0.000000e+00	0.0000000000	
##	CSI056	0	0.0000000000	0	4.898215e-04	0.0000000000	
##	CSI066	0	0.0000000000	0	4.792118e-04	0.0005175487	
##		0tu01317	0tu01318	0tu01319	0tu01320	0tu01321	
##	CSI002	6.810968e-05	0	0.000000e+00	0.000000e+00	0	
##	CSI013	3.834969e-04	0	0.000000e+00	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##	CSI034	6.253198e-04	0	3.789817e-05	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##	CSI056	0.000000e+00	0	1.959286e-05	5.486001e-04	0	
##	CSI066	0.000000e+00	0	0.000000e+00	5.750542e-05	0	
##		0tu01322	0tu01323	0tu01324	0tu01325	0tu01326	0tu01327
##	CSI002	0.000000e+00	0.000000e+00	0	2.724387e-05	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	2.237065e-04	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0.000000e+00	0	1.705418e-04	0	0

```

## CSI045 1.273386e-03 3.265093e-05      0 0.000000e+00      0      0
## CSI056 3.918572e-05 0.000000e+00      0 0.000000e+00      0      0
## CSI066 1.916847e-05 1.916847e-05      0 9.584236e-05      0      0
##      0tu01328      0tu01329 0tu01330      0tu01331 0tu01332      0tu01333
## CSI002      0 4.086581e-05      0 4.631459e-04      0 0.000000e+00
## CSI013      0 2.237065e-04      0 3.834969e-04      0 0.000000e+00
## CSI023      0 1.836922e-04      0 0.000000e+00      0 0.000000e+00
## CSI034      0 0.000000e+00      0 1.326436e-04      0 0.000000e+00
## CSI045      0 3.265093e-05      0 0.000000e+00      0 1.632546e-04
## CSI056      0 5.877858e-05      0 2.155215e-04      0 2.938929e-04
## CSI066      0 0.000000e+00      0 9.584236e-05      0 1.916847e-05
##      0tu01334 0tu01335      0tu01336      0tu01337      0tu01338
## CSI002      0      0 1.498413e-04 0.000000e+00 8.173162e-05
## CSI013      0      0 1.917484e-04 0.000000e+00 3.195807e-05
## CSI023      0      0 2.041025e-05 0.000000e+00 0.000000e+00
## CSI034      0      0 1.894908e-04 0.000000e+00 1.894908e-05
## CSI045      0      0 6.530186e-05 0.000000e+00 0.000000e+00
## CSI056      0      0 1.959286e-05 0.000000e+00 3.918572e-05
## CSI066      0      0 1.341793e-04 0.000000e+00 9.584236e-05
##      0tu01339      0tu01340      0tu01341 0tu01342      0tu01343
## CSI002 0.000000e+00 8.854259e-04 0.000000e+00      0 2.588168e-04
## CSI013 0.000000e+00 0.000000e+00 9.587421e-05      0 4.154549e-04
## CSI023 0.000000e+00 4.082049e-05 0.000000e+00      0 4.082049e-05
## CSI034 0.000000e+00 1.894908e-04 9.474542e-05      0 1.231690e-03
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00      0 3.265093e-05
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00      0 1.175572e-04
## CSI066 0.000000e+00 0.000000e+00 1.916847e-05      0 0.000000e+00
##      0tu01344 0tu01345      0tu01346      0tu01347      0tu01348 0tu01349
## CSI002      0      0 0.000000e+00 3.541704e-04 5.040117e-04      0
## CSI013      0      0 0.000000e+00 4.474130e-04 1.597904e-04      0
## CSI023      0      0 0.000000e+00 0.000000e+00 1.428717e-04      0
## CSI034      0      0 1.894908e-05 4.168798e-04 2.652872e-04      0
## CSI045      0      0 3.265093e-05 0.000000e+00 1.306037e-04      0
## CSI056      0      0 1.391093e-03 0.000000e+00 0.000000e+00      0
## CSI066      0      0 0.000000e+00 0.000000e+00 1.150108e-04      0
##      0tu01350 0tu01351 0tu01352 0tu01353      0tu01354      0tu01355
## CSI002 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI013 0.000000e+00      0      0      0 0.000000e+00 9.587421e-05
## CSI023 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00      0      0      0 0.000000e+00 5.684725e-05
## CSI045 0.000000e+00      0      0      0 1.632546e-04 0.000000e+00
## CSI056 7.837144e-05      0      0      0 2.351143e-04 1.763357e-04
## CSI066 2.683586e-04      0      0      0 1.150108e-04 0.000000e+00
##      0tu01356      0tu01357 0tu01358      0tu01359      0tu01360
## CSI002 0.000000e+00 5.448775e-05      0 0.0000000000 2.724387e-05
## CSI013 0.000000e+00 3.195807e-05      0 0.0000000000 3.195807e-05
## CSI023 0.000000e+00 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI034 0.000000e+00 2.652872e-04      0 0.0000000000 1.136945e-04
## CSI045 2.612074e-04 2.285565e-04      0 0.0000000000 9.795279e-05
## CSI056 4.898215e-04 2.547072e-04      0 0.0000000000 5.486001e-04
## CSI066 9.584236e-05 1.341793e-04      0 0.0000000000 2.300217e-04
##      0tu01361      0tu01362      0tu01363      0tu01364 0tu01365
## CSI002      0 0.000000e+00 0.000000e+00 0.0000000000      0
## CSI013      0 0.000000e+00 0.000000e+00 0.0000000000      0

```

```

## CSI023      0 0.000000e+00 0.000000e+00 0.0000000000      0
## CSI034      0 0.000000e+00 0.000000e+00 0.0001705418      0
## CSI045      0 0.000000e+00 0.000000e+00 0.0000000000      0
## CSI056      0 0.000000e+00 0.000000e+00 0.0000000000      0
## CSI066      0 1.916847e-05 0.000000e+00 0.0000000000      0
##      0tu01366      0tu01367      0tu01368      0tu01369 0tu01370
## CSI002 0.000000e+00 6.810968e-05 5.584994e-04 6.810968e-05      0
## CSI013 0.000000e+00 9.587421e-05 1.597904e-04 0.000000e+00      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI034 0.000000e+00 1.894908e-05 9.664033e-04 0.000000e+00      0
## CSI045 0.000000e+00 1.306037e-04 3.265093e-05 3.265093e-05      0
## CSI056 0.000000e+00 9.796430e-05 0.000000e+00 0.000000e+00      0
## CSI066 7.859073e-04 7.667389e-05 0.000000e+00 0.000000e+00      0
##      0tu01371 0tu01372 0tu01373      0tu01374 0tu01375 0tu01376
## CSI002 2.724387e-05      0      0 1.362194e-05      0      0
## CSI013 0.000000e+00      0      0 0.000000e+00      0      0
## CSI023 0.000000e+00      0      0 0.000000e+00      0      0
## CSI034 0.000000e+00      0      0 0.000000e+00      0      0
## CSI045 1.306037e-04      0      0 3.265093e-05      0      0
## CSI056 3.330786e-04      0      0 1.959286e-05      0      0
## CSI066 0.000000e+00      0      0 2.108532e-04      0      0
##      0tu01377 0tu01378      0tu01379      0tu01380 0tu01381 0tu01382
## CSI002 1.362194e-05      0 4.767678e-04 2.724387e-05      0      0
## CSI013 0.000000e+00      0 2.876226e-04 2.237065e-04      0      0
## CSI023 0.000000e+00      0 0.000000e+00 2.041025e-05      0      0
## CSI034 7.579634e-05      0 4.168798e-04 0.000000e+00      0      0
## CSI045 0.000000e+00      0 6.530186e-05 3.918111e-04      0      0
## CSI056 5.877858e-05      0 7.837144e-05 5.877858e-05      0      0
## CSI066 3.258640e-04      0 5.750542e-05 3.066955e-04      0      0
##      0tu01383      0tu01384 0tu01385 0tu01386      0tu01387
## CSI002 0.000000e+00 1.634632e-04      0      0 1.362194e-04
## CSI013 6.391614e-05 9.587421e-05      0      0 0.000000e+00
## CSI023 0.000000e+00 6.123074e-05      0      0 0.000000e+00
## CSI034 0.000000e+00 7.579634e-05      0      0 3.789817e-05
## CSI045 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI056 0.000000e+00 3.467936e-03      0      0 5.877858e-05
## CSI066 1.916847e-05 0.000000e+00      0      0 1.916847e-05
##      0tu01388 0tu01389 0tu01390      0tu01391 0tu01392 0tu01393
## CSI002 0.000000e+00      0      0 1.089755e-04      0      0
## CSI013 0.000000e+00      0      0 6.391614e-05      0      0
## CSI023 0.000000e+00      0      0 2.041025e-05      0      0
## CSI034 0.000000e+00      0      0 2.463381e-04      0      0
## CSI045 1.306037e-04      0      0 0.000000e+00      0      0
## CSI056 3.722643e-04      0      0 0.000000e+00      0      0
## CSI066 0.000000e+00      0      0 0.000000e+00      0      0
##      0tu01394 0tu01395 0tu01396 0tu01397      0tu01398 0tu01399
## CSI002 0.000000e+00      0      0      0 0.000000e+00      0
## CSI013 0.000000e+00      0      0      0 0.000000e+00      0
## CSI023 0.000000e+00      0      0      0 0.000000e+00      0
## CSI034 0.000000e+00      0      0      0 0.000000e+00      0
## CSI045 9.795279e-05      0      0      0 0.000000e+00      0
## CSI056 1.959286e-05      0      0      0 2.743000e-04      0
## CSI066 1.916847e-05      0      0      0 5.750542e-05      0
##      0tu01400      0tu01401 0tu01402 0tu01403      0tu01404      0tu01405

```

##	CSI002	0	0.0000000000	0	0	6.810968e-05	4.086581e-05
##	CSI013	0	0.0002237065	0	0	0.000000e+00	1.917484e-04
##	CSI023	0	0.0000000000	0	0	0.000000e+00	0.000000e+00
##	CSI034	0	0.0000000000	0	0	0.000000e+00	1.894908e-04
##	CSI045	0	0.0000000000	0	0	2.285565e-04	2.612074e-04
##	CSI056	0	0.0000000000	0	0	0.000000e+00	3.918572e-05
##	CSI066	0	0.0000000000	0	0	5.750542e-05	7.667389e-05
##	Otu01406	Otu01407	Otu01408	Otu01409	Otu01410	Otu01411	
##	CSI002	0	0	4.903897e-04	0	0.000000e+00	0.000000e+00
##	CSI013	0	0	1.150491e-03	0	0.000000e+00	0.000000e+00
##	CSI023	0	0	8.164098e-05	0	0.000000e+00	0.000000e+00
##	CSI034	0	0	3.221344e-04	0	3.789817e-05	1.136945e-04
##	CSI045	0	0	0.000000e+00	0	2.612074e-04	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	5.877858e-05	1.959286e-05
##	CSI066	0	0	0.000000e+00	0	1.916847e-05	0.000000e+00
##	Otu01412	Otu01413	Otu01414	Otu01415	Otu01416	Otu01417	
##	CSI002	0	5.448775e-05	0	0	0	0
##	CSI013	0	3.195807e-05	0	0	0	0
##	CSI023	0	4.082049e-04	0	0	0	0
##	CSI034	0	1.894908e-05	0	0	0	0
##	CSI045	0	2.285565e-04	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	3.833694e-05	0	0	0	0
##	Otu01418	Otu01419	Otu01420	Otu01421	Otu01422	Otu01423	
##	CSI002	0.0002860607	0	0	0	0	0.000000e+00
##	CSI013	0.0003834969	0	0	0	0	0.000000e+00
##	CSI023	0.0000000000	0	0	0	0	0.000000e+00
##	CSI034	0.0003600326	0	0	0	0	5.684725e-05
##	CSI045	0.0000000000	0	0	0	0	0.000000e+00
##	CSI056	0.0004114501	0	0	0	0	0.000000e+00
##	CSI066	0.0000000000	0	0	0	0	0.000000e+00
##	Otu01424	Otu01425	Otu01426	Otu01427	Otu01428		
##	CSI002	6.810968e-05	1.770852e-04	0	0.000000e+00	0.000000e+00	
##	CSI013	0.000000e+00	9.587421e-05	0	0.000000e+00	0.000000e+00	
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI034	0.000000e+00	5.684725e-05	0	0.000000e+00	1.894908e-05	
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI066	5.750542e-05	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	Otu01429	Otu01430	Otu01431	Otu01432	Otu01433	Otu01434	
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	1.188445e-03	0	0	0	0
##	Otu01435	Otu01436	Otu01437	Otu01438	Otu01439		
##	CSI002	0.000000e+00	2.724387e-05	2.724387e-05	2.724387e-05	0	
##	CSI013	0.000000e+00	3.195807e-04	6.711195e-04	3.195807e-05	0	
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI034	1.894908e-05	1.894908e-05	1.894908e-04	9.474542e-05	0	
##	CSI045	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI056	0.000000e+00	0.000000e+00	0.000000e+00	8.229001e-04	0	

##	CSI066	0.000000e+00	1.916847e-05	0.000000e+00	5.558857e-04	0
##		0tu01440	0tu01441	0tu01442	0tu01443	0tu01444
##	CSI002	0.000000e+00	0	1.362194e-05	0	0 0.0000000000
##	CSI013	0.000000e+00	0	3.195807e-05	0	0 0.0000000000
##	CSI023	0.000000e+00	0	1.020512e-04	0	0 0.0000000000
##	CSI034	0.000000e+00	0	4.547780e-04	0	0 0.0000000000
##	CSI045	3.265093e-05	0	0.000000e+00	0	0 0.0000000000
##	CSI056	3.918572e-05	0	0.000000e+00	0	0 0.0000000000
##	CSI066	1.916847e-05	0	0.000000e+00	0	0 0.0000000000
##		0tu01446	0tu01447	0tu01448	0tu01449	0tu01450
##	CSI002	0	0.000000e+00	0.000000e+00	1.362194e-05	0.0004903897
##	CSI013	0	0.000000e+00	0.000000e+00	0.000000e+00	0.0003195807
##	CSI023	0	2.041025e-05	0.000000e+00	0.000000e+00	0.0000000000
##	CSI034	0	0.000000e+00	1.894908e-05	0.000000e+00	0.0010990469
##	CSI045	0	0.000000e+00	0.000000e+00	6.530186e-05	0.0000000000
##	CSI056	0	0.000000e+00	0.000000e+00	3.918572e-05	0.0000000000
##	CSI066	0	0.000000e+00	0.000000e+00	3.833694e-05	0.0000000000
##		0tu01451	0tu01452	0tu01453	0tu01454	0tu01455
##	CSI002	0	1.362194e-04	0	9.535356e-05	2.724387e-05
##	CSI013	0	3.195807e-05	0	2.237065e-04	9.587421e-05
##	CSI023	0	2.041025e-05	0	6.123074e-05	0.000000e+00
##	CSI034	0	5.116253e-04	0	2.463381e-04	1.515927e-04
##	CSI045	0	0.000000e+00	0	0.000000e+00	3.265093e-05
##	CSI056	0	5.877858e-05	0	2.743000e-04	1.332315e-03
##	CSI066	0	0.000000e+00	0	5.750542e-05	0.000000e+00
##		0tu01457	0tu01458	0tu01459	0tu01460	0tu01461
##	CSI002	2.315729e-04	0.000000e+00	1.362194e-05	0	0
##	CSI013	2.556646e-04	0.000000e+00	0.000000e+00	0	0
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI034	8.527088e-04	0.000000e+00	1.515927e-04	0	0
##	CSI045	0.000000e+00	0.000000e+00	6.530186e-05	0	0
##	CSI056	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI066	0.000000e+00	3.833694e-05	0.000000e+00	0	0
##		0tu01463	0tu01464	0tu01465	0tu01466	0tu01467
##	CSI002	0.000000e+00	1.362194e-05	2.724387e-05	0	0.000000e+00
##	CSI013	0.000000e+00	4.474130e-04	3.195807e-05	0	3.195807e-05
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI034	0.000000e+00	5.684725e-05	0.000000e+00	0	0.000000e+00
##	CSI045	1.306037e-04	0.000000e+00	0.000000e+00	0	6.530186e-05
##	CSI056	3.722643e-04	0.000000e+00	6.073787e-04	0	0.000000e+00
##	CSI066	1.648489e-03	0.000000e+00	0.000000e+00	0	1.533478e-04
##		0tu01468	0tu01469	0tu01470	0tu01471	0tu01472
##	CSI002	0	0	0	6.266091e-04	0
##	CSI013	0	0	0	1.278323e-04	0
##	CSI023	0	0	0	8.164098e-05	0
##	CSI034	0	0	0	5.305743e-04	0
##	CSI045	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0.000000e+00	0
##		0tu01475	0tu01476	0tu01477	0tu01478	0tu01479
##	CSI002	4.086581e-05	0.0000000000	2.724387e-05	6.810968e-05	0
##	CSI013	3.195807e-05	0.0000000000	3.195807e-05	2.237065e-04	0
##	CSI023	0.000000e+00	0.0000000000	0.000000e+00	4.082049e-05	0
##	CSI034	5.684725e-05	0.0000000000	7.579634e-05	3.031853e-04	0

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## CSI045 0.000000e+00 0.0006203676 1.959056e-04 0.000000e+00 0
## CSI056 1.959286e-05 0.0000000000 1.959286e-05 1.959286e-05 0
## CSI066 0.000000e+00 0.0003066955 3.258640e-04 1.150108e-04 0
##      0tu01480      0tu01481      0tu01482      0tu01483 0tu01484
## CSI002 1.634632e-04 0.000000e+00 2.724387e-04 1.498413e-04 0
## CSI013 2.237065e-04 0.000000e+00 6.391614e-04 2.237065e-04 0
## CSI023 0.000000e+00 0.000000e+00 4.082049e-05 0.000000e+00 0
## CSI034 9.095560e-04 3.789817e-05 3.600326e-04 2.273890e-04 0
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00 6.530186e-05 0
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00 1.959286e-05 0
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0
##      0tu01485 0tu01486      0tu01487 0tu01488      0tu01489 0tu01490
## CSI002 1.225974e-04      0 0.000000e+00      0 8.173162e-05      0
## CSI013 1.917484e-04      0 0.000000e+00      0 3.834969e-04      0
## CSI023 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI034 5.684725e-05      0 0.000000e+00      0 2.084399e-04      0
## CSI045 0.000000e+00      0 3.265093e-05      0 0.000000e+00      0
## CSI056 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI066 7.667389e-05      0 0.000000e+00      0 1.916847e-05      0
##      0tu01491      0tu01492      0tu01493 0tu01494 0tu01495      0tu01496
## CSI002      0 0.000000e+00 2.724387e-05      0      0 0.000000e+00
## CSI013      0 2.237065e-04 3.195807e-05      0      0 0.000000e+00
## CSI023      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI034      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI045      0 6.987299e-03 3.265093e-05      0      0 0.000000e+00
## CSI056      0 2.743000e-04 0.000000e+00      0      0 0.000000e+00
## CSI066      0 3.833694e-04 0.000000e+00      0      0 0.000000e+00
##      0tu01497 0tu01498 0tu01499 0tu01500 0tu01501 0tu01502 0tu01503
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu01504 0tu01505 0tu01506 0tu01507      0tu01508 0tu01509
## CSI002 6.810968e-05      0      0      0 0.000000e+00      0
## CSI013 3.195807e-05      0      0      0 3.195807e-05      0
## CSI023 0.000000e+00      0      0      0 0.000000e+00      0
## CSI034 1.326436e-04      0      0      0 0.000000e+00      0
## CSI045 0.000000e+00      0      0      0 0.000000e+00      0
## CSI056 0.000000e+00      0      0      0 0.000000e+00      0
## CSI066 0.000000e+00      0      0      0 0.000000e+00      0
##      0tu01510 0tu01511      0tu01512 0tu01513 0tu01514 0tu01515 0tu01516
## CSI002      0      0 2.724387e-04      0      0      0      0
## CSI013      0      0 3.195807e-04      0      0      0      0
## CSI023      0      0 2.041025e-05      0      0      0      0
## CSI034      0      0 5.116253e-04      0      0      0      0
## CSI045      0      0 0.000000e+00      0      0      0      0
## CSI056      0      0 5.877858e-05      0      0      0      0
## CSI066      0      0 3.833694e-05      0      0      0      0
##      0tu01517 0tu01518      0tu01519      0tu01520      0tu01521
## CSI002 2.724387e-05      0 0.000000e+00 0.000000e+00 1.362194e-04
## CSI013 3.515388e-04      0 0.000000e+00 0.000000e+00 1.597904e-04

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## CSI023 2.041025e-05      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 5.495234e-04      0 0.000000e+00 0.000000e+00 2.273890e-04
## CSI045 3.265093e-05      0 3.265093e-05 3.265093e-05 0.000000e+00
## CSI056 5.290072e-04      0 1.959286e-05 0.000000e+00 0.000000e+00
## CSI066 1.916847e-05      0 0.000000e+00 5.750542e-05 0.000000e+00
##      0tu01522 0tu01523 0tu01524 0tu01525      0tu01526 0tu01527 0tu01528
## CSI002      0      0      0      0 0.000000e+00      0      0
## CSI013      0      0      0      0 3.195807e-05      0      0
## CSI023      0      0      0      0 0.000000e+00      0      0
## CSI034      0      0      0      0 0.000000e+00      0      0
## CSI045      0      0      0      0 0.000000e+00      0      0
## CSI056      0      0      0      0 3.134858e-04      0      0
## CSI066      0      0      0      0 0.000000e+00      0      0
##      0tu01529      0tu01530 0tu01531 0tu01532 0tu01533 0tu01534
## CSI002 0.000000e+00 0.000000e+00      0      0      0      0
## CSI013 0.000000e+00 0.000000e+00      0      0      0      0
## CSI023 0.000000e+00 0.000000e+00      0      0      0      0
## CSI034 0.000000e+00 1.894908e-05      0      0      0      0
## CSI045 0.000000e+00 0.000000e+00      0      0      0      0
## CSI056 0.000000e+00 0.000000e+00      0      0      0      0
## CSI066 0.000000e+00 0.000000e+00      0      0      0      0
##      0tu01535      0tu01536      0tu01537 0tu01538 0tu01539 0tu01540
## CSI002      0 5.857433e-04 4.086581e-05      0      0      0
## CSI013      0 7.989518e-04 1.917484e-04      0      0      0
## CSI023      0 4.082049e-05 4.082049e-05      0      0      0
## CSI034      0 1.515927e-04 3.600326e-04      0      0      0
## CSI045      0 0.000000e+00 0.000000e+00      0      0      0
## CSI056      0 0.000000e+00 7.837144e-05      0      0      0
## CSI066      0 0.000000e+00 3.833694e-05      0      0      0
##      0tu01541 0tu01542 0tu01543 0tu01544 0tu01545 0tu01546 0tu01547
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu01548 0tu01549      0tu01550 0tu01551 0tu01552      0tu01553
## CSI002      0      0 5.448775e-05      0      0 0.000000e+00
## CSI013      0      0 1.278323e-04      0      0 1.917484e-04
## CSI023      0      0 0.000000e+00      0      0 0.000000e+00
## CSI034      0      0 5.684725e-05      0      0 1.136945e-04
## CSI045      0      0 0.000000e+00      0      0 3.265093e-05
## CSI056      0      0 0.000000e+00      0      0 1.763357e-04
## CSI066      0      0 0.000000e+00      0      0 0.000000e+00
##      0tu01554      0tu01555 0tu01556 0tu01557 0tu01558 0tu01559 0tu01560
## CSI002      0 2.724387e-05      0      0      0      0      0
## CSI013      0 1.278323e-04      0      0      0      0      0
## CSI023      0 0.000000e+00      0      0      0      0      0
## CSI034      0 3.789817e-05      0      0      0      0      0
## CSI045      0 0.000000e+00      0      0      0      0      0
## CSI056      0 5.877858e-05      0      0      0      0      0
## CSI066      0 3.258640e-04      0      0      0      0      0
##      0tu01561      0tu01562 0tu01563      0tu01564 0tu01565 0tu01566

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##	CSI002	0.0000000000	0.000000e+00	0	0.000000e+00	0	0
##	CSI013	0.0000000000	0.000000e+00	0	0.000000e+00	0	0
##	CSI023	0.0000000000	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0.0002084399	0.000000e+00	0	0.000000e+00	0	0
##	CSI045	0.0000000000	3.265093e-05	0	1.306037e-04	0	0
##	CSI056	0.0000000000	1.567429e-04	0	1.959286e-05	0	0
##	CSI066	0.0000000000	1.150108e-04	0	9.584236e-05	0	0
##		0tu01567	0tu01568	0tu01569	0tu01570	0tu01571	0tu01572
##	CSI002	0	0	0.000000e+00	0	1.498413e-04	0
##	CSI013	0	0	0.000000e+00	0	3.195807e-05	0
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	0	0	1.326436e-04	0	2.842363e-04	0
##	CSI045	0	0	0.000000e+00	0	6.530186e-05	0
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0	0	0.000000e+00	0	1.916847e-05	0
##		0tu01573	0tu01574	0tu01575	0tu01576	0tu01577	
##	CSI002	0.000000e+00	0.0000000000	0.000000e+00	6.810968e-05	0.000000e+00	
##	CSI013	0.000000e+00	0.0000000000	0.000000e+00	3.195807e-05	3.195807e-05	
##	CSI023	0.000000e+00	0.0000000000	0.000000e+00	4.082049e-05	0.000000e+00	
##	CSI034	0.000000e+00	0.0000000000	0.000000e+00	3.410835e-04	0.000000e+00	
##	CSI045	1.306037e-04	0.0000000000	1.632546e-04	0.000000e+00	0.000000e+00	
##	CSI056	1.959286e-04	0.0000000000	2.938929e-04	3.330786e-04	1.371500e-04	
##	CSI066	0.000000e+00	0.0000000000	1.341793e-04	7.667389e-05	0.000000e+00	
##		0tu01578	0tu01579	0tu01580	0tu01581	0tu01582	0tu01583
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI013	0.000000e+00	0	3.195807e-05	0	0	0
##	CSI023	2.041025e-05	0	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0	1.894908e-05	0	0	0
##	CSI045	0.000000e+00	0	9.795279e-05	0	0	0
##	CSI056	0.000000e+00	0	1.763357e-04	0	0	0
##	CSI066	0.000000e+00	0	3.833694e-04	0	0	0
##		0tu01584	0tu01585	0tu01586	0tu01587	0tu01588	
##	CSI002	0.000000e+00	0.000000e+00	2.860607e-04	0	0.0000000000	
##	CSI013	0.000000e+00	0.000000e+00	6.391614e-05	0	0.0000000000	
##	CSI023	0.000000e+00	0.000000e+00	2.041025e-05	0	0.0000000000	
##	CSI034	0.000000e+00	0.000000e+00	2.842363e-04	0	0.0000000000	
##	CSI045	0.000000e+00	3.265093e-05	1.632546e-04	0	0.0000000000	
##	CSI056	1.959286e-05	9.012716e-04	9.796430e-05	0	0.0000000000	
##	CSI066	2.415227e-03	5.750542e-05	5.750542e-05	0	0.0000000000	
##		0tu01589	0tu01590	0tu01591	0tu01592	0tu01593	
##	CSI002	0.000000e+00	0.000000e+00	0	1.089755e-04	0	
##	CSI013	0.000000e+00	0.000000e+00	0	4.154549e-04	0	
##	CSI023	1.836922e-04	0.000000e+00	0	1.020512e-04	0	
##	CSI034	9.474542e-05	0.000000e+00	0	2.842363e-04	0	
##	CSI045	3.265093e-04	0.000000e+00	0	0.000000e+00	0	
##	CSI056	1.175572e-04	0.000000e+00	0	1.959286e-04	0	
##	CSI066	3.833694e-05	0.000000e+00	0	1.150108e-04	0	
##		0tu01594	0tu01595	0tu01596	0tu01597	0tu01598	
##	CSI002	0.000000e+00	2.724387e-05	5.448775e-05	0.000000e+00	0	
##	CSI013	0.000000e+00	0.000000e+00	9.587421e-04	0.000000e+00	0	
##	CSI023	0.000000e+00	0.000000e+00	2.041025e-05	0.000000e+00	0	
##	CSI034	0.000000e+00	5.684725e-05	1.326436e-04	0.000000e+00	0	
##	CSI045	0.000000e+00	0.000000e+00	9.795279e-05	0.000000e+00	0	
##	CSI056	5.877858e-05	3.918572e-05	3.918572e-05	1.567429e-04	0	


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## CSI066 0.000000e+00 0.000000e+00 4.217064e-04 1.341793e-04 0
##      0tu01599 0tu01600 0tu01601 0tu01602      0tu01603 0tu01604
## CSI002      0      0      0      0 2.724387e-05      0
## CSI013      0      0      0      0 0.000000e+00      0
## CSI023      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0 0.000000e+00      0
## CSI045      0      0      0      0 0.000000e+00      0
## CSI056      0      0      0      0 1.371500e-04      0
## CSI066      0      0      0      0 1.916847e-05      0
##      0tu01605      0tu01606 0tu01607      0tu01608      0tu01609
## CSI002 2.724387e-05 0.000000e+00      0 0.000000e+00 0.003228399
## CSI013 6.391614e-05 3.195807e-05      0 0.000000e+00 0.000000000
## CSI023 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000000
## CSI034 4.168798e-04 0.000000e+00      0 0.000000e+00 0.000000000
## CSI045 0.000000e+00 0.000000e+00      0 6.530186e-05 0.000000000
## CSI056 0.000000e+00 2.331550e-03      0 3.918572e-05 0.000000000
## CSI066 1.916847e-05 0.000000e+00      0 1.916847e-05 0.000000000
##      0tu01610 0tu01611      0tu01612 0tu01613 0tu01614      0tu01615
## CSI002      0      0 5.448775e-05      0      0 0.000000000
## CSI013      0      0 3.195807e-05      0      0 0.0002556646
## CSI023      0      0 8.164098e-05      0      0 0.000000000
## CSI034      0      0 4.547780e-04      0      0 0.0010611487
## CSI045      0      0 0.000000e+00      0      0 0.000000000
## CSI056      0      0 2.547072e-04      0      0 0.000000000
## CSI066      0      0 3.833694e-05      0      0 0.000000000
##      0tu01616      0tu01617 0tu01618 0tu01619      0tu01620      0tu01621
## CSI002      0 1.362194e-05      0      0 5.448775e-05 0.000000e+00
## CSI013      0 0.000000e+00      0      0 6.391614e-05 0.000000e+00
## CSI023      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI034      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI045      0 0.000000e+00      0      0 0.000000e+00 6.530186e-05
## CSI056      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI066      0 0.000000e+00      0      0 0.000000e+00 1.150108e-04
##      0tu01622 0tu01623 0tu01624 0tu01625 0tu01626      0tu01627
## CSI002 5.448775e-05      0      0      0      0 1.089755e-04
## CSI013 6.391614e-05      0      0      0      0 1.597904e-04
## CSI023 0.000000e+00      0      0      0      0 4.082049e-05
## CSI034 3.789817e-05      0      0      0      0 2.273890e-04
## CSI045 0.000000e+00      0      0      0      0 0.000000e+00
## CSI056 0.000000e+00      0      0      0      0 0.000000e+00
## CSI066 0.000000e+00      0      0      0      0 1.916847e-05
##      0tu01628 0tu01629      0tu01630      0tu01631 0tu01632
## CSI002 1.362194e-05      0 0.000000e+00 0.000000e+00      0
## CSI013 0.000000e+00      0 6.391614e-05 0.000000e+00      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI034 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI045 0.000000e+00      0 6.530186e-05 0.000000e+00      0
## CSI056 0.000000e+00      0 0.000000e+00 3.918572e-05      0
## CSI066 0.000000e+00      0 0.000000e+00 5.367172e-04      0
##      0tu01633 0tu01634 0tu01635 0tu01636      0tu01637      0tu01638
## CSI002 4.086581e-05      0      0      0 8.173162e-05 1.362194e-05
## CSI013 0.000000e+00      0      0      0 6.391614e-05 0.000000e+00
## CSI023 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI034 1.894908e-05      0      0      0 5.684725e-05 0.000000e+00

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## CSI045 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00      0      0      0 0.000000e+00 3.918572e-05
## CSI066 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
##      0tu01639 0tu01640      0tu01641 0tu01642 0tu01643 0tu01644
## CSI002 0.001975181      0 8.173162e-05      0      0      0
## CSI013 0.000000000      0 1.278323e-04      0      0      0
## CSI023 0.000000000      0 0.000000e+00      0      0      0
## CSI034 0.000000000      0 1.705418e-04      0      0      0
## CSI045 0.000000000      0 3.265093e-05      0      0      0
## CSI056 0.000000000      0 0.000000e+00      0      0      0
## CSI066 0.000000000      0 0.000000e+00      0      0      0
##      0tu01645      0tu01646      0tu01647 0tu01648      0tu01649
## CSI002 4.086581e-05 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI013 2.237065e-04 3.195807e-05 3.195807e-05      0 0.000000e+00
## CSI023 2.041025e-05 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI034 9.474542e-05 1.894908e-05 0.000000e+00      0 0.000000e+00
## CSI045 3.265093e-05 1.306037e-04 0.000000e+00      0 3.265093e-05
## CSI056 1.175572e-04 1.959286e-05 0.000000e+00      0 0.000000e+00
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00      0 1.916847e-05
##      0tu01650      0tu01651      0tu01652      0tu01653      0tu01654
## CSI002      0 0.000000e+00 5.448775e-05 0.000000e+00 1.362194e-05
## CSI013      0 9.267841e-04 1.278323e-04 9.587421e-04 6.391614e-05
## CSI023      0 0.000000e+00 0.000000e+00 0.000000e+00 4.082049e-05
## CSI034      0 5.684725e-05 1.136945e-04 0.000000e+00 1.705418e-04
## CSI045      0 3.265093e-05 3.265093e-05 0.000000e+00 0.000000e+00
## CSI056      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI066      0 0.000000e+00 3.833694e-05 2.300217e-04 0.000000e+00
##      0tu01655 0tu01656 0tu01657 0tu01658 0tu01659      0tu01660
## CSI002      0      0      0      0      0 2.724387e-05
## CSI013      0      0      0      0      0 2.556646e-04
## CSI023      0      0      0      0      0 1.020512e-04
## CSI034      0      0      0      0      0 5.305743e-04
## CSI045      0      0      0      0      0 0.000000e+00
## CSI056      0      0      0      0      0 0.000000e+00
## CSI066      0      0      0      0      0 0.000000e+00
##      0tu01661      0tu01662 0tu01663 0tu01664 0tu01665      0tu01666
## CSI002 0.000000e+00 0.000000e+00      0      0      0 4.086581e-05
## CSI013 0.000000e+00 0.000000e+00      0      0      0 6.391614e-05
## CSI023 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI034 0.000000e+00 0.000000e+00      0      0      0 0.000000e+00
## CSI045 0.000000e+00 1.959056e-04      0      0      0 0.000000e+00
## CSI056 0.000000e+00 3.722643e-04      0      0      0 0.000000e+00
## CSI066 0.000000e+00 1.916847e-04      0      0      0 0.000000e+00
##      0tu01667      0tu01668      0tu01669 0tu01670 0tu01671      0tu01672
## CSI002      0 1.907071e-04 0.000000e+00      0      0 0.000000e+00
## CSI013      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI023      0 0.000000e+00 0.000000e+00      0      0 2.041025e-05
## CSI034      0 3.789817e-05 0.000000e+00      0      0 0.000000e+00
## CSI045      0 3.265093e-05 0.000000e+00      0      0 0.000000e+00
## CSI056      0 1.959286e-05 1.959286e-05      0      0 0.000000e+00
## CSI066      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
##      0tu01673 0tu01674 0tu01675 0tu01676 0tu01677 0tu01678 0tu01679
## CSI002 1.362194e-05      0      0      0      0      0      0
## CSI013 2.237065e-04      0      0      0      0      0      0

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##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-04	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu01680	0tu01681	0tu01682	0tu01683	0tu01684		
##	CSI002	2.588168e-04	0.000000e+00	2.451949e-04	1.362194e-05	0		
##	CSI013	2.876226e-04	0.000000e+00	9.587421e-05	0.000000e+00	0		
##	CSI023	8.164098e-05	0.000000e+00	2.041025e-05	0.000000e+00	0		
##	CSI034	9.474542e-05	0.000000e+00	1.136945e-04	0.000000e+00	0		
##	CSI045	0.000000e+00	6.530186e-05	3.265093e-05	0.000000e+00	0		
##	CSI056	0.000000e+00	2.351143e-04	7.837144e-05	0.000000e+00	0		
##	CSI066	0.000000e+00	1.150108e-04	7.667389e-05	0.000000e+00	0		
##		0tu01685	0tu01686	0tu01687	0tu01688	0tu01689		
##	CSI002	1.362194e-05	4.086581e-05	0	6.810968e-05	0.000000e+00		
##	CSI013	0.000000e+00	2.237065e-04	0	1.278323e-04	0.000000e+00		
##	CSI023	1.020512e-04	1.020512e-04	0	2.041025e-05	0.000000e+00		
##	CSI034	5.684725e-05	1.894908e-04	0	0.000000e+00	0.000000e+00		
##	CSI045	0.000000e+00	3.265093e-05	0	0.000000e+00	0.000000e+00		
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	1.665393e-03		
##	CSI066	7.667389e-05	0.000000e+00	0	0.000000e+00	0.000000e+00		
##		0tu01690	0tu01691	0tu01692	0tu01693	0tu01694	0tu01695	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI045	6.530186e-05	3.265093e-04	0	0	0	0.000000e+00	
##	CSI056	7.837144e-05	1.175572e-04	0	0	0	1.959286e-05	
##	CSI066	0.000000e+00	1.341793e-04	0	0	0	2.300217e-04	
##		0tu01696	0tu01697	0tu01698	0tu01699	0tu01700	0tu01701	
##	CSI002	1.089755e-04	6.810968e-05	0	0.000000e+00	0	0	
##	CSI013	1.278323e-04	1.597904e-04	0	3.195807e-05	0	0	
##	CSI023	0.000000e+00	4.082049e-05	0	0.000000e+00	0	0	
##	CSI034	6.063707e-04	1.894908e-05	0	1.894908e-05	0	0	
##	CSI045	0.000000e+00	2.285565e-04	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	1.175572e-04	0	0.000000e+00	0	0	
##	CSI066	1.916847e-05	0.000000e+00	0	0.000000e+00	0	0	
##		0tu01702	0tu01703	0tu01704	0tu01705	0tu01706		
##	CSI002	0.000000e+00	0	1.498413e-04	0.000000e+00	0		
##	CSI013	0.000000e+00	0	3.195807e-05	0.000000e+00	0		
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0		
##	CSI034	0.000000e+00	0	2.273890e-04	0.000000e+00	0		
##	CSI045	1.306037e-04	0	3.265093e-05	0.000000e+00	0		
##	CSI056	5.877858e-05	0	0.000000e+00	0.000000e+00	0		
##	CSI066	1.916847e-05	0	0.000000e+00	0.000000e+00	0		
##		0tu01707	0tu01708	0tu01709	0tu01710	0tu01711	0tu01712	0tu01713
##	CSI002	4.086581e-05	0	0	0	0	0	0
##	CSI013	7.350356e-04	0	0	0	0	0	0
##	CSI023	4.082049e-05	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	6.530186e-05	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu01714	0tu01715	0tu01716	0tu01717	0tu01718	0tu01719	

##	CSI002	0	8.173162e-05	0.0000000000	0	0	0.000000e+00
##	CSI013	0	3.834969e-04	0.0001278323	0	0	0.000000e+00
##	CSI023	0	0.000000e+00	0.0000000000	0	0	0.000000e+00
##	CSI034	0	1.326436e-04	0.0000000000	0	0	0.000000e+00
##	CSI045	0	0.000000e+00	0.0000000000	0	0	3.265093e-05
##	CSI056	0	1.959286e-05	0.0000000000	0	0	3.918572e-05
##	CSI066	0	0.000000e+00	0.0000000000	0	0	5.750542e-05
##		0tu01720	0tu01721	0tu01722	0tu01723	0tu01724	0tu01725
##	CSI002	0	0	0	0.000000e+00	0	0.0000000000
##	CSI013	0	0	0	0.000000e+00	0	0.0001278323
##	CSI023	0	0	0	0.000000e+00	0	0.0000000000
##	CSI034	0	0	0	0.000000e+00	0	0.0000000000
##	CSI045	0	0	0	9.795279e-05	0	0.0000000000
##	CSI056	0	0	0	5.877858e-05	0	0.0000000000
##	CSI066	0	0	0	2.300217e-04	0	0.0000000000
##		0tu01726	0tu01727	0tu01728	0tu01729	0tu01730	0tu01731
##	CSI002	0	2.724387e-05	0	0	0.000000e+00	0
##	CSI013	0	9.587421e-05	0	0	3.195807e-05	0
##	CSI023	0	6.123074e-05	0	0	0.000000e+00	0
##	CSI034	0	2.652872e-04	0	0	1.136945e-04	0
##	CSI045	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	0	1.959286e-05	0	0	0.000000e+00	0
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	0
##		0tu01732	0tu01733	0tu01734	0tu01735	0tu01736	0tu01737
##	CSI002	0	0	0	0	1.362194e-05	1.089755e-04
##	CSI013	0	0	0	0	3.195807e-05	1.597904e-04
##	CSI023	0	0	0	0	0.000000e+00	2.041025e-05
##	CSI034	0	0	0	0	3.789817e-05	2.652872e-04
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	0	0	0	0	7.837144e-05	5.094144e-04
##	CSI066	0	0	0	0	3.833694e-05	5.750542e-05
##		0tu01738	0tu01739	0tu01740	0tu01741	0tu01742	
##	CSI002	0.000000e+00	1.362194e-05	0.000000e+00	0	0.000000e+00	
##	CSI013	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI023	4.082049e-05	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI034	0.000000e+00	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI045	0.000000e+00	6.530186e-05	0.000000e+00	0	0.000000e+00	
##	CSI056	8.620859e-04	9.796430e-05	3.722643e-04	0	0.000000e+00	
##	CSI066	0.000000e+00	2.108532e-04	0.000000e+00	0	3.833694e-05	
##		0tu01743	0tu01744	0tu01745	0tu01746	0tu01747	0tu01748
##	CSI002	0	3.814142e-04	0	0.000000e+00	0.000000e+00	0
##	CSI013	0	1.597904e-04	0	0.000000e+00	3.195807e-05	0
##	CSI023	0	4.082049e-05	0	0.000000e+00	0.000000e+00	0
##	CSI034	0	5.874216e-04	0	3.789817e-05	3.789817e-05	0
##	CSI045	0	6.530186e-05	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	4.702286e-04	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##		0tu01749	0tu01750	0tu01751	0tu01752	0tu01753	
##	CSI002	0.000000e+00	0	0.000000e+00	1.362194e-05	1.362194e-05	
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI034	0.000000e+00	0	4.926762e-04	0.000000e+00	0.000000e+00	
##	CSI045	2.938584e-04	0	0.000000e+00	3.265093e-05	0.000000e+00	
##	CSI056	1.959286e-05	0	0.000000e+00	7.837144e-05	0.000000e+00	

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## CSI066 7.667389e-05      0 3.833694e-05 1.533478e-04 0.000000e+00
##      0tu01754 0tu01755      0tu01756 0tu01757 0tu01758 0tu01759 0tu01760
## CSI002      0      0 0.000000e+00      0      0      0      0
## CSI013      0      0 0.000000e+00      0      0      0      0
## CSI023      0      0 0.000000e+00      0      0      0      0
## CSI034      0      0 0.000000e+00      0      0      0      0
## CSI045      0      0 3.265093e-05      0      0      0      0
## CSI056      0      0 0.000000e+00      0      0      0      0
## CSI066      0      0 2.491901e-04      0      0      0      0
##      0tu01761 0tu01762 0tu01763 0tu01764 0tu01765 0tu01766 0tu01767
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 6.530186e-05      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu01768 0tu01769 0tu01770      0tu01771 0tu01772      0tu01773
## CSI002 1.498413e-04      0      0 0.000000e+00      0 0.000000e+00
## CSI013 6.391614e-05      0      0 0.000000e+00      0 3.195807e-05
## CSI023 4.082049e-05      0      0 0.000000e+00      0 4.082049e-05
## CSI034 5.305743e-04      0      0 0.000000e+00      0 3.789817e-05
## CSI045 0.000000e+00      0      0 6.530186e-05      0 0.000000e+00
## CSI056 0.000000e+00      0      0 4.506358e-04      0 5.877858e-05
## CSI066 0.000000e+00      0      0 1.533478e-04      0 1.916847e-05
##      0tu01774 0tu01775 0tu01776 0tu01777 0tu01778 0tu01779
## CSI002 0.000000e+00      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0
## CSI023 6.123074e-05      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0
##      0tu01780 0tu01781 0tu01782 0tu01783 0tu01784 0tu01785 0tu01786
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 3.833694e-05      0      0      0      0      0      0
##      0tu01787      0tu01788      0tu01789 0tu01790 0tu01791 0tu01792
## CSI002 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI013 9.587421e-05 0.000000e+00 0.000000e+00      0      0      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI034 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI045 0.000000e+00 1.632546e-04 0.000000e+00      0      0      0
## CSI056 1.959286e-05 5.877858e-05 1.959286e-05      0      0      0
## CSI066 5.750542e-05 5.750542e-05 0.000000e+00      0      0      0
##      0tu01793 0tu01794 0tu01795      0tu01796 0tu01797 0tu01798 0tu01799
## CSI002      0      0      0 8.173162e-05      0      0      0
## CSI013      0      0      0 4.474130e-04      0      0      0
## CSI023      0      0      0 0.000000e+00      0      0      0
## CSI034      0      0      0 2.842363e-04      0      0      0

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##	CSI045	0	0	0 0.000000e+00	0	0	0
##	CSI056	0	0	0 0.000000e+00	0	0	0
##	CSI066	0	0	0 0.000000e+00	0	0	0
##	0tu01800	0tu01801	0tu01802	0tu01803	0tu01804		
##	CSI002	0 5.448775e-04	0.000000e+00	0.000000e+00	0		
##	CSI013	0 5.432872e-04	0.000000e+00	0.000000e+00	0		
##	CSI023	0 0.000000e+00	0.000000e+00	0.000000e+00	0		
##	CSI034	0 4.358289e-04	0.000000e+00	0.000000e+00	0		
##	CSI045	0 0.000000e+00	3.265093e-05	0.000000e+00	0		
##	CSI056	0 1.959286e-05	1.978879e-03	0.000000e+00	0		
##	CSI066	0 0.000000e+00	0.000000e+00	0.000000e+00	0		
##	0tu01805	0tu01806	0tu01807	0tu01808	0tu01809		
##	CSI002	0.0000000000	0.000000e+00	5.448775e-05	0 1.362194e-05		
##	CSI013	0.0000000000	1.278323e-04	3.195807e-05	0 0.000000e+00		
##	CSI023	0.0004286152	0.000000e+00	0.000000e+00	0 4.082049e-05		
##	CSI034	0.0000000000	1.515927e-04	1.136945e-04	0 3.789817e-05		
##	CSI045	0.0000000000	1.959056e-04	3.265093e-05	0 0.000000e+00		
##	CSI056	0.0000000000	1.175572e-04	3.918572e-05	0 0.000000e+00		
##	CSI066	0.0000000000	1.916847e-05	1.916847e-05	0 0.000000e+00		
##	0tu01810	0tu01811	0tu01812	0tu01813	0tu01814	0tu01815	
##	CSI002	0	0	0 4.767678e-04	0.000000e+00	0	
##	CSI013	0	0	0 2.556646e-04	0.000000e+00	0	
##	CSI023	0	0	0 6.123074e-05	0.000000e+00	0	
##	CSI034	0	0	0 5.874216e-04	1.894908e-05	0	
##	CSI045	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI056	0	0	0 0.000000e+00	7.837144e-05	0	
##	CSI066	0	0	0 1.916847e-05	7.667389e-05	0	
##	0tu01816	0tu01817	0tu01818	0tu01819	0tu01820	0tu01821	
##	CSI002	0	0 0.000000e+00	0.000000e+00	0	0	
##	CSI013	0	0 0.000000e+00	2.876226e-04	0	0	
##	CSI023	0	0 0.000000e+00	0.000000e+00	0	0	
##	CSI034	0	0 0.000000e+00	7.011161e-04	0	0	
##	CSI045	0	0 0.000000e+00	0.000000e+00	0	0	
##	CSI056	0	0 3.918572e-05	0.000000e+00	0	0	
##	CSI066	0	0 1.916847e-05	0.000000e+00	0	0	
##	0tu01822	0tu01823	0tu01824	0tu01825	0tu01826	0tu01827	
##	CSI002	0.000000e+00	0	0	0 1.362194e-05	0	
##	CSI013	0.000000e+00	0	0	0 3.195807e-05	0	
##	CSI023	0.000000e+00	0	0	0 0.000000e+00	0	
##	CSI034	5.684725e-05	0	0	0 1.136945e-04	0	
##	CSI045	3.265093e-05	0	0	0 1.632546e-04	0	
##	CSI056	0.000000e+00	0	0	0 1.959286e-05	0	
##	CSI066	0.000000e+00	0	0	0 0.000000e+00	0	
##	0tu01828	0tu01829	0tu01830	0tu01831	0tu01832	0tu01833	
##	CSI002	1.362194e-04	0	0	0 1.362194e-05	0	
##	CSI013	3.195807e-04	0	0	0 9.587421e-05	0	
##	CSI023	0.000000e+00	0	0	0 0.000000e+00	0	
##	CSI034	8.148106e-04	0	0	0 2.652872e-04	0	
##	CSI045	6.530186e-05	0	0	0 6.530186e-05	0	
##	CSI056	0.000000e+00	0	0	0 0.000000e+00	0	
##	CSI066	0.000000e+00	0	0	0 2.875271e-04	0	
##	0tu01834	0tu01835	0tu01836	0tu01837	0tu01838	0tu01839	
##	CSI002	0 8.173162e-05	0	0 0.0000000000	0	0	
##	CSI013	0 3.195807e-05	0	0 0.0000000000	0	0	

##	CSI023	0	0.000000e+00	0	0	0.0000000000	0
##	CSI034	0	1.136945e-04	0	0	0.0000000000	0
##	CSI045	0	0.000000e+00	0	0	0.0000000000	0
##	CSI056	0	0.000000e+00	0	0	0.0000000000	0
##	CSI066	0	3.833694e-05	0	0	0.0002875271	0
##		0tu01840	0tu01841	0tu01842	0tu01843	0tu01844	0tu01845
##	CSI002	0.000000e+00	0	0.000000000	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0.000000000	0	9.587421e-05	0
##	CSI023	0.000000e+00	0	0.000000000	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0.000000000	0	0.000000e+00	0
##	CSI045	0.000000e+00	0	0.00104483	0	6.530186e-05	0
##	CSI056	0.000000e+00	0	0.000000000	0	3.918572e-05	0
##	CSI066	1.916847e-05	0	0.000000000	0	0.000000e+00	0
##		0tu01846	0tu01847	0tu01848	0tu01849	0tu01850	0tu01851
##	CSI002	0	0.0000000000	0.000000e+00	0	0	0
##	CSI013	0	0.0000000000	0.000000e+00	0	0	0
##	CSI023	0	0.0000000000	5.306664e-04	0	0	0
##	CSI034	0	0.0000000000	1.894908e-05	0	0	0
##	CSI045	0	0.0000000000	9.795279e-05	0	0	0
##	CSI056	0	0.0000000000	0.000000e+00	0	0	0
##	CSI066	0	0.0000000000	1.916847e-05	0	0	0
##		0tu01852	0tu01853	0tu01854	0tu01855	0tu01856	
##	CSI002	0.000000e+00	0	9.535356e-05	0.000000e+00	0.000000e+00	
##	CSI013	0.000000e+00	0	1.278323e-04	0.000000e+00	0.000000e+00	
##	CSI023	6.939484e-04	0	2.041025e-05	0.000000e+00	0.000000e+00	
##	CSI034	1.894908e-05	0	1.326436e-04	0.000000e+00	5.684725e-05	
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	6.530186e-05	
##	CSI056	0.000000e+00	0	0.000000e+00	1.959286e-05	0.000000e+00	
##	CSI066	0.000000e+00	0	0.000000e+00	1.916847e-05	5.750542e-05	
##		0tu01857	0tu01858	0tu01859	0tu01860	0tu01861	0tu01862
##	CSI002	0	0	0	2.724387e-04	0.0000000000	0
##	CSI013	0	0	0	3.515388e-04	0.0000000000	0
##	CSI023	0	0	0	2.041025e-05	0.0000000000	0
##	CSI034	0	0	0	1.326436e-04	0.0005116253	0
##	CSI045	0	0	0	0.000000e+00	0.0000000000	0
##	CSI056	0	0	0	0.000000e+00	0.0000000000	0
##	CSI066	0	0	0	0.000000e+00	0.0001533478	0
##		0tu01863	0tu01864	0tu01865	0tu01866	0tu01867	
##	CSI002	0.000000e+00	0.000000e+00	0	0.0000000000	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0.0000000000	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0.0000000000	0	
##	CSI034	1.894908e-05	5.684725e-05	0	0.0000000000	0	
##	CSI045	6.530186e-05	0.000000e+00	0	0.0001306037	0	
##	CSI056	1.959286e-05	0.000000e+00	0	0.0002938929	0	
##	CSI066	0.000000e+00	3.833694e-05	0	0.0000000000	0	
##		0tu01868	0tu01869	0tu01870	0tu01871	0tu01872	
##	CSI002	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI013	0.000000e+00	0.000000e+00	3.195807e-05	0.000000e+00	0	
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI034	0.000000e+00	2.084399e-04	0.000000e+00	7.579634e-05	0	
##	CSI045	0.000000e+00	3.265093e-05	0.000000e+00	0.000000e+00	0	
##	CSI056	0.000000e+00	2.155215e-04	0.000000e+00	0.000000e+00	0	
##	CSI066	3.833694e-05	0.000000e+00	0.000000e+00	0.000000e+00	0	
##		0tu01873	0tu01874	0tu01875	0tu01876	0tu01877	0tu01878

##	CSI002	0	0.000000000	0	0	5.448775e-05	0
##	CSI013	0	0.000000000	0	0	9.907002e-04	0
##	CSI023	0	0.000000000	0	0	6.123074e-05	0
##	CSI034	0	0.000000000	0	0	9.474542e-05	0
##	CSI045	0	0.000000000	0	0	0.000000e+00	0
##	CSI056	0	0.000000000	0	0	0.000000e+00	0
##	CSI066	0	0.000000000	0	0	0.000000e+00	0
##		0tu01879	0tu01880	0tu01881	0tu01882	0tu01883	
##	CSI002	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI013	0	0.000000e+00	3.195807e-05	0.000000e+00	0.000000e+00	
##	CSI023	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI034	0	1.894908e-05	0.000000e+00	0.000000e+00	3.789817e-05	
##	CSI045	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI056	0	3.918572e-05	0.000000e+00	1.959286e-05	0.000000e+00	
##	CSI066	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu01884	0tu01885	0tu01886	0tu01887	0tu01888	0tu01889
##	CSI002	0	0.0000000000	0	0	0	3.677923e-04
##	CSI013	0	0.0007030776	0	0	0	1.597904e-04
##	CSI023	0	0.0000000000	0	0	0	4.082049e-05
##	CSI034	0	0.0006821670	0	0	0	1.515927e-04
##	CSI045	0	0.0000000000	0	0	0	0.000000e+00
##	CSI056	0	0.0000000000	0	0	0	0.000000e+00
##	CSI066	0	0.0001725162	0	0	0	0.000000e+00
##		0tu01890	0tu01891	0tu01892	0tu01893	0tu01894	0tu01895
##	CSI002	1.907071e-04	0	0	0	2.179510e-04	0
##	CSI013	3.195807e-04	0	0	0	1.278323e-04	0
##	CSI023	0.000000e+00	0	0	0	6.123074e-05	0
##	CSI034	3.031853e-04	0	0	0	8.527088e-04	0
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0	0	3.918572e-05	0
##	CSI066	3.833694e-05	0	0	0	0.000000e+00	0
##		0tu01896	0tu01897	0tu01898	0tu01899	0tu01900	0tu01901
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	2.547072e-04	0	0	0	0
##	CSI066	0	1.725162e-04	0	0	0	0
##		0tu01902	0tu01903	0tu01904	0tu01905	0tu01906	0tu01907
##	CSI002	2.724387e-05	9.535356e-05	0	0	0	0
##	CSI013	6.391614e-05	1.597904e-04	0	0	0	0
##	CSI023	0.000000e+00	6.123074e-05	0	0	0	0
##	CSI034	1.894908e-05	1.515927e-04	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	3.918572e-05	1.959286e-05	0	0	0	0
##	CSI066	3.833694e-05	2.875271e-04	0	0	0	0
##		0tu01908	0tu01909	0tu01910	0tu01911	0tu01912	0tu01913
##	CSI002	0	0	4.086581e-05	0.000000e+00	0	1.498413e-04
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	9.587421e-05
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI034	0	0	2.463381e-04	9.474542e-05	0	1.326436e-04
##	CSI045	0	0	0.000000e+00	3.265093e-05	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	3.918572e-05	0	3.918572e-05

##	CSI066	0	0	0.000000e+00	0.000000e+00	0	1.916847e-05	
##		0tu01914	0tu01915	0tu01916	0tu01917	0tu01918	0tu01919	0tu01920
##	CSI002	0	0	2.724387e-05	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	9.474542e-05	0	0	0	0
##	CSI045	0	0	6.530186e-05	0	0	0	0
##	CSI056	0	0	3.134858e-04	0	0	0	0
##	CSI066	0	0	9.584236e-05	0	0	0	0
##		0tu01921	0tu01922	0tu01923	0tu01924	0tu01925	0tu01926	0tu01927
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	3.265093e-04	0	0	0	0	0
##	CSI056	0	1.371500e-04	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu01928	0tu01929	0tu01930	0tu01931	0tu01932		
##	CSI002	0.000000e+00	0	0.000000e+00	1.362194e-05	5.448775e-05		
##	CSI013	0.000000e+00	0	0.000000e+00	9.587421e-05	6.391614e-05		
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI034	0.000000e+00	0	0.000000e+00	5.684725e-05	6.632179e-04		
##	CSI045	0.000000e+00	0	6.530186e-05	9.795279e-05	0.000000e+00		
##	CSI056	1.567429e-04	0	1.959286e-05	7.837144e-05	0.000000e+00		
##	CSI066	3.833694e-05	0	3.833694e-05	5.750542e-05	0.000000e+00		
##		0tu01933	0tu01934	0tu01935	0tu01936	0tu01937		
##	CSI002	0.000000e+00	2.043291e-04	0.000000e+00	0.0000000000	0		
##	CSI013	0.000000e+00	2.876226e-04	0.000000e+00	0.0000000000	0		
##	CSI023	0.000000e+00	2.041025e-05	0.000000e+00	0.0000000000	0		
##	CSI034	0.000000e+00	8.716579e-04	1.136945e-04	0.0000000000	0		
##	CSI045	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000	0		
##	CSI056	3.918572e-05	3.918572e-05	1.959286e-05	0.0000000000	0		
##	CSI066	0.000000e+00	0.000000e+00	0.000000e+00	0.0005942226	0		
##		0tu01938	0tu01939	0tu01940	0tu01941	0tu01942	0tu01943	0tu01944
##	CSI002	2.724387e-05	0	0	0	0	0	0
##	CSI013	3.195807e-05	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu01945	0tu01946	0tu01947	0tu01948	0tu01949	0tu01950	
##	CSI002	2.179510e-04	0	0	0	1.362194e-05	0	
##	CSI013	0.000000e+00	0	0	0	6.391614e-05	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	1.894908e-05	0	0	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0	0	3.265093e-05	0	
##	CSI056	0.000000e+00	0	0	0	1.391093e-03	0	
##	CSI066	7.667389e-05	0	0	0	0.000000e+00	0	
##		0tu01951	0tu01952	0tu01953	0tu01954	0tu01955	0tu01956	
##	CSI002	0	0	1.362194e-05	0.000000e+00	0	2.724387e-05	
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI034	0	0	1.894908e-05	0.000000e+00	0	4.358289e-04	

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## CSI045      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI056      0      0 3.918572e-04 8.620859e-04      0 0.000000e+00
## CSI066      0      0 3.833694e-05 0.000000e+00      0 1.916847e-05
##      0tu01957      0tu01958      0tu01959 0tu01960      0tu01961
## CSI002 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI034 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI045 0.000000e+00 1.306037e-04 0.000000e+00      0 0.000000e+00
## CSI056 0.000000e+00 3.918572e-05 0.000000e+00      0 0.000000e+00
## CSI066 0.000000e+00 0.000000e+00 5.750542e-05      0 0.000000e+00
##      0tu01962      0tu01963      0tu01964      0tu01965      0tu01966
## CSI002 4.086581e-05 0.000000e+00 1.089755e-04 4.086581e-05 5.448775e-05
## CSI013 1.917484e-04 0.000000e+00 0.000000e+00 1.661820e-03 2.237065e-04
## CSI023 2.041025e-05 2.041025e-05 0.000000e+00 0.000000e+00 4.082049e-05
## CSI034 3.031853e-04 0.000000e+00 1.136945e-04 2.842363e-04 1.894908e-04
## CSI045 0.000000e+00 0.000000e+00 9.795279e-05 0.000000e+00 0.000000e+00
## CSI056 1.175572e-04 7.837144e-05 0.000000e+00 1.959286e-05 1.959286e-05
## CSI066 1.150108e-04 0.000000e+00 1.916847e-04 7.667389e-05 0.000000e+00
##      0tu01967 0tu01968 0tu01969 0tu01970      0tu01971      0tu01972
## CSI002      0      0      0      0 0.000000e+00 0.000000e+00
## CSI013      0      0      0      0 6.391614e-05 0.000000e+00
## CSI023      0      0      0      0 0.000000e+00 0.000000e+00
## CSI034      0      0      0      0 0.000000e+00 5.684725e-05
## CSI045      0      0      0      0 0.000000e+00 0.000000e+00
## CSI056      0      0      0      0 0.000000e+00 5.877858e-05
## CSI066      0      0      0      0 0.000000e+00 0.000000e+00
##      0tu01973      0tu01974 0tu01975 0tu01976      0tu01977
## CSI002 0.000000e+00 4.086581e-05      0      0 0.000000e+00
## CSI013 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI023 0.000000e+00 2.041025e-05      0      0 0.000000e+00
## CSI034 1.894908e-05 9.474542e-05      0      0 0.000000e+00
## CSI045 3.265093e-05 0.000000e+00      0      0 0.000000e+00
## CSI056 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI066 0.000000e+00 3.833694e-05      0      0 0.000000e+00
##      0tu01978 0tu01979      0tu01980 0tu01981      0tu01982
## CSI002 2.315729e-04      0 6.810968e-05      0 4.086581e-05
## CSI013 0.000000e+00      0 3.195807e-05      0 1.246365e-03
## CSI023 8.164098e-05      0 2.041025e-05      0 4.082049e-05
## CSI034 0.000000e+00      0 1.136945e-04      0 1.894908e-04
## CSI045 0.000000e+00      0 3.265093e-05      0 0.000000e+00
## CSI056 0.000000e+00      0 2.155215e-04      0 0.000000e+00
## CSI066 0.000000e+00      0 0.000000e+00      0 0.000000e+00
##      0tu01983 0tu01984 0tu01985      0tu01986      0tu01987
## CSI002 0.000000e+00      0      0 1.634632e-04 5.448775e-05
## CSI013 0.000000e+00      0      0 2.237065e-04 6.391614e-05
## CSI023 0.000000e+00      0      0 6.123074e-05 4.082049e-05
## CSI034 1.894908e-05      0      0 1.326436e-04 2.084399e-04
## CSI045 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00      0      0 1.959286e-05 2.155215e-04
## CSI066 1.936016e-03      0      0 0.000000e+00 0.000000e+00
##      0tu01988 0tu01989 0tu01990      0tu01991 0tu01992 0tu01993
## CSI002 1.362194e-05      0      0 1.634632e-04      0      0
## CSI013 9.587421e-05      0      0 1.342239e-03      0      0

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##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	5.684725e-05	0	0	1.705418e-04	0	0
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI056	7.837144e-05	0	0	0.000000e+00	0	0
##	CSI066	1.150108e-04	0	0	0.000000e+00	0	0
##		0tu01994	0tu01995	0tu01996	0tu01997	0tu01998	0tu01999
##	CSI002	1.362194e-05	0	0	0.0000000000	0	0
##	CSI013	0.000000e+00	0	0	0.0000000000	0	0
##	CSI023	0.000000e+00	0	0	0.0000000000	0	0
##	CSI034	1.326436e-04	0	0	0.0000000000	0	0
##	CSI045	3.265093e-05	0	0	0.0000000000	0	0
##	CSI056	0.000000e+00	0	0	0.0000000000	0	0
##	CSI066	0.000000e+00	0	0	0.0000000000	0	0
##		0tu02000	0tu02001	0tu02002	0tu02003	0tu02004	0tu02005
##	CSI002	0	0	0	0	4.086581e-05	0.000000e+00
##	CSI013	0	0	0	0	1.597904e-04	0.000000e+00
##	CSI023	0	0	0	0	2.041025e-05	2.041025e-05
##	CSI034	0	0	0	0	4.737271e-04	0.000000e+00
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00
##		0tu02006	0tu02007	0tu02008	0tu02009	0tu02010	0tu02011
##	CSI002	0.000000e+00	6.810968e-05	0	5.448775e-05	0	0
##	CSI013	3.195807e-05	6.391614e-05	0	1.278323e-04	0	0
##	CSI023	0.000000e+00	6.123074e-05	0	2.041025e-05	0	0
##	CSI034	0.000000e+00	3.789817e-04	0	2.842363e-04	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	1.959286e-05	3.918572e-05	0	1.959286e-05	0	0
##	CSI066	9.584236e-05	0.000000e+00	0	0.000000e+00	0	0
##		0tu02012	0tu02013	0tu02014	0tu02015	0tu02016	0tu02017
##	CSI002	0	0.000000e+00	0	1.770852e-04	0	0
##	CSI013	0	0.000000e+00	0	2.876226e-04	0	0
##	CSI023	0	0.000000e+00	0	4.082049e-05	0	0
##	CSI034	0	0.000000e+00	0	2.463381e-04	0	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	1.959286e-05	0	3.918572e-05	0	0
##	CSI066	0	3.066955e-04	0	0.000000e+00	0	0
##		0tu02018	0tu02019	0tu02020	0tu02021	0tu02022	0tu02023
##	CSI002	2.724387e-05	0	0.000000e+00	0	0.000000e+00	0
##	CSI013	3.195807e-05	0	0.000000e+00	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	2.041025e-05	0
##	CSI034	1.894908e-05	0	0.000000e+00	0	0.000000e+00	0
##	CSI045	2.612074e-04	0	3.265093e-04	0	0.000000e+00	0
##	CSI056	1.959286e-05	0	1.959286e-05	0	0.000000e+00	0
##	CSI066	2.875271e-04	0	0.000000e+00	0	0.000000e+00	0
##		0tu02024	0tu02025	0tu02026	0tu02027	0tu02028	0tu02029
##	CSI002	0	0.000000e+00	1.362194e-05	0	0	0
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI045	0	1.306037e-04	0.000000e+00	0	0	0
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0
##		0tu02030	0tu02031	0tu02032	0tu02033	0tu02034	0tu02035

##	CSI002	0	4.767678e-04	0.0001225974	0	0	0
##	CSI013	0	2.876226e-04	0.0000000000	0	0	0
##	CSI023	0	2.041025e-05	0.0000000000	0	0	0
##	CSI034	0	3.600326e-04	0.0000000000	0	0	0
##	CSI045	0	0.000000e+00	0.0000000000	0	0	0
##	CSI056	0	0.000000e+00	0.0000000000	0	0	0
##	CSI066	0	0.000000e+00	0.0000000000	0	0	0
##		0tu02036	0tu02037	0tu02038	0tu02039	0tu02040	0tu02041
##	CSI002	0	0	2.724387e-05	0	0.000000e+00	0
##	CSI013	0	0	3.195807e-05	0	0.000000e+00	0
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	0	0	4.737271e-04	0	0.000000e+00	0
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0
##		0tu02042	0tu02043	0tu02044	0tu02045	0tu02046	0tu02047
##	CSI002	0.000000e+00	0	2.724387e-05	0	9.535356e-05	0
##	CSI013	0.000000e+00	0	3.195807e-05	0	1.278323e-04	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	6.123074e-05	0
##	CSI034	0.000000e+00	0	3.789817e-05	0	4.358289e-04	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	6.269715e-04	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##		0tu02048	0tu02049	0tu02050	0tu02051	0tu02052	0tu02053
##	CSI002	4.086581e-05	0	0	0	0	0
##	CSI013	9.587421e-05	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	1.326436e-04	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu02054	0tu02055	0tu02056	0tu02057	0tu02058	0tu02059
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	0	1.894908e-05	0
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0	0	5.877858e-05	0
##	CSI066	0.000000e+00	0	0	0	1.916847e-05	0
##		0tu02060	0tu02061	0tu02062	0tu02063	0tu02064	
##	CSI002	0	0	5.448775e-05	6.810968e-05	0.000000e+00	
##	CSI013	0	0	2.876226e-04	9.587421e-05	3.195807e-05	
##	CSI023	0	0	8.164098e-05	0.000000e+00	0.000000e+00	
##	CSI034	0	0	1.326436e-04	3.789817e-04	5.684725e-05	
##	CSI045	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI056	0	0	1.959286e-05	3.918572e-05	0.000000e+00	
##	CSI066	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu02065	0tu02066	0tu02067	0tu02068	0tu02069	0tu02070
##	CSI002	1.362194e-05	0	0	0	1.362194e-04	0
##	CSI013	0.000000e+00	0	0	0	8.628679e-04	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	0	1.515927e-04	0
##	CSI045	0.000000e+00	0	0	0	1.632546e-04	0
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0

##	CSI066	0.000000e+00	0	0	0	1.916847e-05	0
##		0tu02071	0tu02072	0tu02073	0tu02074	0tu02075	0tu02076
##	CSI002	0	0	0	0.0000000000	0	0.000000e+00
##	CSI013	0	0	0	0.0000000000	0	0.000000e+00
##	CSI023	0	0	0	0.0000000000	0	0.000000e+00
##	CSI034	0	0	0	0.0000000000	0	0.000000e+00
##	CSI045	0	0	0	0.0000000000	0	0.000000e+00
##	CSI056	0	0	0	0.0000000000	0	1.959286e-05
##	CSI066	0	0	0	0.0005750542	0	0.000000e+00
##		0tu02077	0tu02078	0tu02079	0tu02080	0tu02081	
##	CSI002	0.000000e+00	6.810968e-05	1.362194e-05	0.000000e+00	0	
##	CSI013	3.195807e-05	6.072033e-04	0.000000e+00	0.000000e+00	0	
##	CSI023	0.000000e+00	4.082049e-05	6.939484e-04	0.000000e+00	0	
##	CSI034	7.579634e-05	4.547780e-04	3.789817e-05	3.789817e-05	0	
##	CSI045	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI056	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI066	0.000000e+00	0.000000e+00	0.000000e+00	1.341793e-04	0	
##		0tu02082	0tu02083	0tu02084	0tu02085	0tu02086	0tu02087
##	CSI002	0	0.0000000000	0.000000e+00	2.588168e-04	0	0
##	CSI013	0	0.0000000000	0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0.0000000000	0.000000e+00	2.041025e-05	0	0
##	CSI034	0	0.0000000000	0.000000e+00	0.000000e+00	0	0
##	CSI045	0	0.0001306037	3.265093e-04	6.530186e-05	0	0
##	CSI056	0	0.0000979643	3.918572e-05	0.000000e+00	0	0
##	CSI066	0	0.0007859073	7.667389e-05	0.000000e+00	0	0
##		0tu02088	0tu02089	0tu02090	0tu02091	0tu02092	0tu02093
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI013	0	3.195807e-05	9.587421e-05	0	0	0
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	0	1.894908e-05	7.579634e-05	0	0	0
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI056	0	0.000000e+00	3.918572e-05	0	0	0
##	CSI066	0	1.916847e-05	5.750542e-05	0	0	0
##		0tu02094	0tu02095	0tu02096	0tu02097	0tu02098	0tu02099
##	CSI002	0	0.0000000000	0	0	1.362194e-05	0
##	CSI013	0	0.0000000000	0	0	3.195807e-05	0
##	CSI023	0	0.0000000000	0	0	8.164098e-05	0
##	CSI034	0	0.0004926762	0	0	3.789817e-05	0
##	CSI045	0	0.0000000000	0	0	0.000000e+00	0
##	CSI056	0	0.0000000000	0	0	0.000000e+00	0
##	CSI066	0	0.0000000000	0	0	0.000000e+00	0
##		0tu02100	0tu02101	0tu02102	0tu02103	0tu02104	0tu02105
##	CSI002	2.724387e-04	0	0	4.086581e-05	5.448775e-05	0
##	CSI013	1.917484e-04	0	0	1.278323e-04	9.587421e-05	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	4.082049e-05	0
##	CSI034	1.894908e-04	0	0	4.547780e-04	1.705418e-04	0
##	CSI045	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0.000000e+00	0	0	0.000000e+00	1.959286e-05	0
##	CSI066	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##		0tu02106	0tu02107	0tu02108	0tu02109	0tu02110	0tu02111
##	CSI002	0	1.498413e-04	0	0.000000e+00	0.000000e+00	0
##	CSI013	0	1.917484e-04	0	3.195807e-05	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI034	0	1.894908e-04	0	0.000000e+00	0.000000e+00	0

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## CSI045      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI056      0 0.000000e+00      0 0.000000e+00 1.959286e-05      0
## CSI066      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
##      0tu02112      0tu02113 0tu02114      0tu02115 0tu02116 0tu02117
## CSI002 0.000000e+00 1.362194e-05      0 0.000000e+00      0      0
## CSI013 1.278323e-04 6.391614e-05      0 0.000000e+00      0      0
## CSI023 0.000000e+00 0.000000e+00      0 2.041025e-05      0      0
## CSI034 0.000000e+00 3.031853e-04      0 5.684725e-05      0      0
## CSI045 0.000000e+00 4.244621e-04      0 0.000000e+00      0      0
## CSI056 1.959286e-05 1.959286e-05      0 5.877858e-05      0      0
## CSI066 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
##      0tu02118 0tu02119      0tu02120 0tu02121      0tu02122      0tu02123
## CSI002      0      0 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI013      0      0 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI023      0      0 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI034      0      0 1.894908e-05      0 0.0000000000 0.000000e+00
## CSI045      0      0 0.000000e+00      0 0.0000000000 6.530186e-05
## CSI056      0      0 7.837144e-05      0 0.0000000000 0.000000e+00
## CSI066      0      0 0.000000e+00      0 0.0000000000 0.000000e+00
##      0tu02124 0tu02125 0tu02126 0tu02127 0tu02128 0tu02129      0tu02130
## CSI002      0      0      0      0      0      0 0.000000e+00
## CSI013      0      0      0      0      0      0 0.000000e+00
## CSI023      0      0      0      0      0      0 0.000000e+00
## CSI034      0      0      0      0      0      0 0.000000e+00
## CSI045      0      0      0      0      0      0 0.000000e+00
## CSI056      0      0      0      0      0      0 1.371500e-04
## CSI066      0      0      0      0      0      0 0.000000e+00
##      0tu02131 0tu02132      0tu02133 0tu02134 0tu02135      0tu02136
## CSI002 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI013 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI023 0.000000e+00      0 2.041025e-05      0      0 0.000000e+00
## CSI034 0.000000e+00      0 1.894908e-05      0      0 0.000000e+00
## CSI045 6.530186e-05      0 0.000000e+00      0      0 3.265093e-05
## CSI056 2.938929e-04      0 0.000000e+00      0      0 9.796430e-05
## CSI066 1.916847e-05      0 1.150108e-04      0      0 0.000000e+00
##      0tu02137 0tu02138      0tu02139 0tu02140      0tu02141      0tu02142
## CSI002      0      0 0.0000000000      0 0.000000e+00 0.0000000000
## CSI013      0      0 0.0000000000      0 3.195807e-05 0.0000000000
## CSI023      0      0 0.0000000000      0 0.000000e+00 0.0000000000
## CSI034      0      0 0.0000000000      0 3.789817e-05 0.0000000000
## CSI045      0      0 0.0001959056      0 6.530186e-05 0.0000000000
## CSI056      0      0 0.0000000000      0 5.877858e-05 0.0001763357
## CSI066      0      0 0.0000000000      0 0.000000e+00 0.0000000000
##      0tu02143 0tu02144 0tu02145      0tu02146 0tu02147 0tu02148
## CSI002 2.724387e-05      0      0 1.089755e-04      0      0
## CSI013 0.000000e+00      0      0 9.267841e-04      0      0
## CSI023 0.000000e+00      0      0 0.000000e+00      0      0
## CSI034 1.894908e-05      0      0 1.136945e-04      0      0
## CSI045 0.000000e+00      0      0 0.000000e+00      0      0
## CSI056 0.000000e+00      0      0 1.175572e-04      0      0
## CSI066 0.000000e+00      0      0 3.833694e-05      0      0
##      0tu02149 0tu02150      0tu02151 0tu02152 0tu02153      0tu02154
## CSI002 0.0001498413      0 4.086581e-05      0      0 1.362194e-05
## CSI013 0.0000000000      0 0.000000e+00      0      0 1.597904e-04

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## CSI023 0.0000000000      0 0.000000e+00      0      0 0.000000e+00
## CSI034 0.0001326436      0 0.000000e+00      0      0 2.463381e-04
## CSI045 0.0000000000      0 0.000000e+00      0      0 0.000000e+00
## CSI056 0.0000000000      0 1.959286e-05      0      0 0.000000e+00
## CSI066 0.0000000000      0 0.000000e+00      0      0 0.000000e+00
##      0tu02155      0tu02156 0tu02157      0tu02158      0tu02159 0tu02160
## CSI002      0 1.362194e-05      0 0.000000e+00 8.173162e-05      0
## CSI013      0 0.000000e+00      0 0.000000e+00 4.154549e-04      0
## CSI023      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI034      0 1.894908e-05      0 1.894908e-05 0.000000e+00      0
## CSI045      0 6.530186e-05      0 0.000000e+00 0.000000e+00      0
## CSI056      0 3.918572e-05      0 5.877858e-05 0.000000e+00      0
## CSI066      0 3.066955e-04      0 5.750542e-05 3.833694e-05      0
##      0tu02161 0tu02162      0tu02163 0tu02164 0tu02165 0tu02166
## CSI002 6.810968e-05      0 0.000000e+00      0      0      0
## CSI013 6.391614e-04      0 0.000000e+00      0      0      0
## CSI023 0.000000e+00      0 0.000000e+00      0      0      0
## CSI034 7.579634e-05      0 0.000000e+00      0      0      0
## CSI045 0.000000e+00      0 0.000000e+00      0      0      0
## CSI056 0.000000e+00      0 1.959286e-05      0      0      0
## CSI066 0.000000e+00      0 1.916847e-05      0      0      0
##      0tu02167      0tu02168      0tu02169 0tu02170 0tu02171 0tu02172
## CSI002 0.000000e+00 0.000000e+00 1.362194e-05      0      0      0
## CSI013 2.237065e-04 0.000000e+00 1.278323e-04      0      0      0
## CSI023 4.082049e-05 0.000000e+00 0.000000e+00      0      0      0
## CSI034 0.000000e+00 0.000000e+00 1.894908e-05      0      0      0
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI056 3.918572e-05 0.000000e+00 5.877858e-05      0      0      0
## CSI066 0.000000e+00 1.916847e-05 0.000000e+00      0      0      0
##      0tu02173 0tu02174 0tu02175 0tu02176 0tu02177      0tu02178
## CSI002 5.448775e-05      0      0      0      0 0.000000e+00
## CSI013 2.556646e-04      0      0      0      0 0.000000e+00
## CSI023 2.041025e-05      0      0      0      0 0.000000e+00
## CSI034 0.000000e+00      0      0      0      0 0.000000e+00
## CSI045 1.632546e-04      0      0      0      0 0.000000e+00
## CSI056 0.000000e+00      0      0      0      0 0.000000e+00
## CSI066 0.000000e+00      0      0      0      0 0.000000e+00
##      0tu02179      0tu02180 0tu02181      0tu02182 0tu02183      0tu02184
## CSI002      0 0.000000e+00      0 0.0005040117      0 5.448775e-05
## CSI013      0 9.587421e-05      0 0.0000000000      0 3.195807e-05
## CSI023      0 0.000000e+00      0 0.0000000000      0 2.041025e-05
## CSI034      0 1.515927e-04      0 0.0003789817      0 1.515927e-04
## CSI045      0 0.000000e+00      0 0.0000000000      0 6.530186e-05
## CSI056      0 0.000000e+00      0 0.0000000000      0 0.000000e+00
## CSI066      0 7.667389e-05      0 0.0000000000      0 1.341793e-04
##      0tu02185 0tu02186      0tu02187 0tu02188 0tu02189      0tu02190
## CSI002      0      0 3.541704e-04      0      0 0.0001770852
## CSI013      0      0 0.000000e+00      0      0 0.0000000000
## CSI023      0      0 4.082049e-05      0      0 0.0000000000
## CSI034      0      0 0.000000e+00      0      0 0.0002652872
## CSI045      0      0 6.530186e-05      0      0 0.0000000000
## CSI056      0      0 0.000000e+00      0      0 0.0000000000
## CSI066      0      0 0.000000e+00      0      0 0.0000000000
##      0tu02191 0tu02192 0tu02193      0tu02194 0tu02195 0tu02196

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##	CSI002	1.362194e-05	0	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	3.979308e-04	0	0	0.000000e+00	0	0
##	CSI045	0.000000e+00	0	0	9.142260e-04	0	0
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu02197	0tu02198	0tu02199	0tu02200	0tu02201	0tu02202
##	CSI002	0	0	2.724387e-05	1.362194e-05	0	0
##	CSI013	0	0	3.195807e-05	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	0.000000e+00	3.789817e-05	0	0
##	CSI045	0	0	0.000000e+00	3.265093e-05	0	0
##	CSI056	0	0	0.000000e+00	2.155215e-04	0	0
##	CSI066	0	0	1.916847e-05	0.000000e+00	0	0
##		0tu02203	0tu02204	0tu02205	0tu02206	0tu02207	0tu02208
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	3.789817e-05	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	1.959286e-05	0	0
##	CSI066	0	0	0	0.000000e+00	0	0
##		0tu02210	0tu02211	0tu02212	0tu02213	0tu02214	0tu02215
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu02217	0tu02218	0tu02219	0tu02220	0tu02221	0tu02222
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0	0.000000e+00	4.154549e-04	
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0	0.000000e+00	3.833694e-05	
##		0tu02223	0tu02224	0tu02225	0tu02226	0tu02227	0tu02228
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI045	3.265093e-05	0	0	6.530186e-05	0	0
##	CSI056	0.000000e+00	0	0	7.837144e-05	0	0
##	CSI066	1.916847e-05	0	0	0.000000e+00	0	0
##		0tu02229	0tu02230	0tu02231	0tu02232	0tu02233	0tu02234
##	CSI002	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0

##	CSI066	0	0	1.916847e-05	0	0	0	0
##		0tu02236	0tu02237	0tu02238	0tu02239	0tu02240	0tu02241	
##	CSI002	1.362194e-05	0	0	1.498413e-04	0	0	
##	CSI013	3.195807e-04	0	0	3.195807e-05	0	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	3.600326e-04	0	0	2.652872e-04	0	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	1.959286e-05	0	0	0.000000e+00	0	0	
##	CSI066	3.833694e-05	0	0	0.000000e+00	0	0	
##		0tu02242	0tu02243	0tu02244	0tu02245	0tu02246		
##	CSI002	0	0.000000e+00	2.315729e-04	0.000000e+00	0		
##	CSI013	0	0.000000e+00	1.917484e-04	0.000000e+00	0		
##	CSI023	0	0.000000e+00	0.000000e+00	0.000000e+00	0		
##	CSI034	0	0.000000e+00	1.515927e-04	0.000000e+00	0		
##	CSI045	0	0.000000e+00	0.000000e+00	2.285565e-04	0		
##	CSI056	0	0.000000e+00	0.000000e+00	0.000000e+00	0		
##	CSI066	0	3.833694e-05	0.000000e+00	9.584236e-05	0		
##		0tu02247	0tu02248	0tu02249	0tu02250	0tu02251		
##	CSI002	0.000000e+00	1.362194e-04	0	1.362194e-05	0.0000000000		
##	CSI013	0.000000e+00	1.917484e-04	0	3.195807e-05	0.0000000000		
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0.0000000000		
##	CSI034	0.000000e+00	5.684725e-05	0	5.684725e-05	0.0000000000		
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0.0000000000		
##	CSI056	0.000000e+00	0.000000e+00	0	1.959286e-04	0.0000000000		
##	CSI066	3.833694e-05	0.000000e+00	0	3.833694e-05	0.0000000000		
##		0tu02252	0tu02253	0tu02254	0tu02255	0tu02256		
##	CSI002	0	8.173162e-05	4.086581e-05	0	2.724387e-05		
##	CSI013	0	1.917484e-04	9.587421e-05	0	0.000000e+00		
##	CSI023	0	6.123074e-05	0.000000e+00	0	0.000000e+00		
##	CSI034	0	1.705418e-04	9.474542e-05	0	3.789817e-04		
##	CSI045	0	0.000000e+00	0.000000e+00	0	0.000000e+00		
##	CSI056	0	0.000000e+00	0.000000e+00	0	1.959286e-05		
##	CSI066	0	0.000000e+00	0.000000e+00	0	0.000000e+00		
##		0tu02257	0tu02258	0tu02259	0tu02260	0tu02261	0tu02262	
##	CSI002	0.000000e+00	0	0	0	1.362194e-05	0	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	1.894908e-05	0	0	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI066	3.833694e-05	0	0	0	5.750542e-05	0	
##		0tu02263	0tu02264	0tu02265	0tu02266	0tu02267	0tu02268	0tu02269
##	CSI002	0	4.086581e-05	0	0	0	0	0
##	CSI013	0	3.195807e-05	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	1.306037e-04	0	0	0	0	0
##	CSI056	0	5.877858e-05	0	0	0	0	0
##	CSI066	0	1.916847e-05	0	0	0	0	0
##		0tu02270	0tu02271	0tu02272	0tu02273	0tu02274		
##	CSI002	2.179510e-04	0	0.000000e+00	0.000000e+00	0		
##	CSI013	9.587421e-05	0	0.000000e+00	0.000000e+00	0		
##	CSI023	0.000000e+00	0	2.041025e-05	0.000000e+00	0		
##	CSI034	3.789817e-04	0	0.000000e+00	0.000000e+00	0		

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## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI056 0.000000e+00      0 0.000000e+00 2.743000e-04      0
## CSI066 0.000000e+00      0 0.000000e+00 3.066955e-04      0
##      0tu02275 0tu02276      0tu02277 0tu02278 0tu02279 0tu02280
## CSI002 9.535356e-05      0 4.086581e-05      0      0      0
## CSI013 6.391614e-05      0 0.000000e+00      0      0      0
## CSI023 0.000000e+00      0 0.000000e+00      0      0      0
## CSI034 7.579634e-05      0 0.000000e+00      0      0      0
## CSI045 0.000000e+00      0 3.265093e-05      0      0      0
## CSI056 0.000000e+00      0 0.000000e+00      0      0      0
## CSI066 5.750542e-05      0 9.584236e-05      0      0      0
##      0tu02281 0tu02282      0tu02283      0tu02284      0tu02285
## CSI002      0      0 2.724387e-05 6.810968e-05 0.0000000000
## CSI013      0      0 6.391614e-05 6.391614e-05 0.0000000000
## CSI023      0      0 0.000000e+00 0.000000e+00 0.0000000000
## CSI034      0      0 2.842363e-04 1.894908e-05 0.0000000000
## CSI045      0      0 0.000000e+00 0.000000e+00 0.0000000000
## CSI056      0      0 0.000000e+00 0.000000e+00 0.0000000000
## CSI066      0      0 0.000000e+00 0.000000e+00 0.0000000000
##      0tu02286 0tu02287      0tu02288      0tu02289 0tu02290
## CSI002 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI013 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI034 0.000000e+00      0 0.000000e+00 1.894908e-05      0
## CSI045 3.265093e-05      0 0.000000e+00 0.000000e+00      0
## CSI056 0.000000e+00      0 1.763357e-04 0.000000e+00      0
## CSI066 0.000000e+00      0 7.667389e-05 0.000000e+00      0
##      0tu02291      0tu02292      0tu02293 0tu02294      0tu02295
## CSI002 0.000000e+00 1.362194e-05 0.000000e+00      0 9.535356e-05
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00      0 1.917484e-04
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI034 0.000000e+00 1.894908e-05 3.789817e-05      0 1.326436e-04
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00      0 7.837144e-05
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
##      0tu02296      0tu02297      0tu02298      0tu02299 0tu02300
## CSI002      0 1.907071e-04 0.000000e+00 0.000000e+00      0
## CSI013      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI023      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI034      0 1.894908e-05 0.000000e+00 0.000000e+00      0
## CSI045      0 0.000000e+00 0.000000e+00 3.265093e-05      0
## CSI056      0 0.000000e+00 2.547072e-04 0.000000e+00      0
## CSI066      0 2.491901e-04 1.916847e-05 3.833694e-05      0
##      0tu02301 0tu02302 0tu02303      0tu02304 0tu02305 0tu02306
## CSI002 0.000000e+00      0      0 0.000000e+00      0      0
## CSI013 0.000000e+00      0      0 0.000000e+00      0      0
## CSI023 0.000000e+00      0      0 0.000000e+00      0      0
## CSI034 1.894908e-05      0      0 0.000000e+00      0      0
## CSI045 0.000000e+00      0      0 0.000000e+00      0      0
## CSI056 0.000000e+00      0      0 0.000000e+00      0      0
## CSI066 0.000000e+00      0      0 1.916847e-05      0      0
##      0tu02307 0tu02308 0tu02309 0tu02310 0tu02311      0tu02312
## CSI002 1.362194e-05      0      0      0      0 0.000000e+00
## CSI013 1.278323e-04      0      0      0      0 0.000000e+00

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## CSI023 0.000000e+00      0      0      0      0 0.000000e+00
## CSI034 2.273890e-04      0      0      0      0 0.000000e+00
## CSI045 0.000000e+00      0      0      0      0 2.285565e-04
## CSI056 0.000000e+00      0      0      0      0 3.918572e-05
## CSI066 0.000000e+00      0      0      0      0 1.150108e-04
##      0tu02313      0tu02314 0tu02315      0tu02316 0tu02317 0tu02318
## CSI002 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI013 6.391614e-05 1.917484e-04      0 0.000000e+00      0      0
## CSI023 2.041025e-05 0.000000e+00      0 0.000000e+00      0      0
## CSI034 7.579634e-05 9.474542e-05      0 0.000000e+00      0      0
## CSI045 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI056 3.918572e-05 0.000000e+00      0 7.837144e-05      0      0
## CSI066 1.916847e-05 0.000000e+00      0 1.916847e-05      0      0
##      0tu02319 0tu02320 0tu02321      0tu02322 0tu02323      0tu02324
## CSI002 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI013 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI023 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI034 0.000000e+00      0      0 9.474542e-05      0 0.000000e+00
## CSI045 3.265093e-05      0      0 0.000000e+00      0 0.000000e+00
## CSI056 0.000000e+00      0      0 0.000000e+00      0 7.837144e-05
## CSI066 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
##      0tu02325      0tu02326 0tu02327 0tu02328 0tu02329 0tu02330 0tu02331
## CSI002      0 0.000000e+00      0      0      0      0      0
## CSI013      0 0.000000e+00      0      0      0      0      0
## CSI023      0 0.000000e+00      0      0      0      0      0
## CSI034      0 0.000000e+00      0      0      0      0      0
## CSI045      0 0.000000e+00      0      0      0      0      0
## CSI056      0 3.918572e-05      0      0      0      0      0
## CSI066      0 3.833694e-05      0      0      0      0      0
##      0tu02332 0tu02333 0tu02334 0tu02335 0tu02336 0tu02337 0tu02338
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 1.959286e-05      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu02339 0tu02340      0tu02341 0tu02342 0tu02343 0tu02344
## CSI002 8.173162e-05      0 1.362194e-05      0      0      0
## CSI013 1.278323e-04      0 9.587421e-05      0      0      0
## CSI023 0.000000e+00      0 0.000000e+00      0      0      0
## CSI034 2.842363e-04      0 2.084399e-04      0      0      0
## CSI045 0.000000e+00      0 0.000000e+00      0      0      0
## CSI056 0.000000e+00      0 1.959286e-05      0      0      0
## CSI066 0.000000e+00      0 1.916847e-05      0      0      0
##      0tu02345 0tu02346 0tu02347      0tu02348 0tu02349      0tu02350
## CSI002      0      0      0 0.000000e+00      0 0.000000e+00
## CSI013      0      0      0 0.000000e+00      0 0.000000e+00
## CSI023      0      0      0 0.000000e+00      0 0.000000e+00
## CSI034      0      0      0 1.894908e-05      0 1.894908e-05
## CSI045      0      0      0 0.000000e+00      0 0.000000e+00
## CSI056      0      0      0 0.000000e+00      0 0.000000e+00
## CSI066      0      0      0 0.000000e+00      0 0.000000e+00
##      0tu02351 0tu02352 0tu02353 0tu02354 0tu02355      0tu02356 0tu02357

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##	CSI002	0	0	0	0	0 0.000000e+00	0
##	CSI013	0	0	0	0	0 0.000000e+00	0
##	CSI023	0	0	0	0	0 0.000000e+00	0
##	CSI034	0	0	0	0	0 0.000000e+00	0
##	CSI045	0	0	0	0	0 0.000000e+00	0
##	CSI056	0	0	0	0	0 7.837144e-05	0
##	CSI066	0	0	0	0	0 0.000000e+00	0
##	0tu02358	0tu02359	0tu02360	0tu02361	0tu02362	0tu02363	
##	CSI002	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	
##	CSI013	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	
##	CSI023	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	0 2.041025e-05	0 2.041025e-05	
##	CSI034	0 1.894908e-05	0 0.000000e+00	0 0.000000e+00	0 1.894908e-05	0 1.894908e-05	
##	CSI045	0 0.000000e+00	0 2.285565e-04	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	
##	CSI056	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	
##	CSI066	0 1.916847e-05	0 7.667389e-05	0 5.750542e-05	0 5.750542e-05	0 5.750542e-05	
##	0tu02364	0tu02365	0tu02366	0tu02367	0tu02368	0tu02369	
##	CSI002	0	0	0 0.000000e+00	0	0	
##	CSI013	0	0	0 0.000000e+00	0	0	
##	CSI023	0	0	0 0.000000e+00	0	0	
##	CSI034	0	0	0 0.000000e+00	0	0	
##	CSI045	0	0	0 6.530186e-05	0	0	
##	CSI056	0	0	0 1.959286e-05	0	0	
##	CSI066	0	0	0 0.000000e+00	0	0	
##	0tu02370	0tu02371	0tu02372	0tu02373	0tu02374	0tu02375	
##	CSI002	8.173162e-05	0 0.0000000000	0	0	0	
##	CSI013	3.195807e-05	0 0.0000000000	0	0	0	
##	CSI023	0.000000e+00	0 0.0000000000	0	0	0	
##	CSI034	5.684725e-05	0 0.0000000000	0	0	0	
##	CSI045	0.000000e+00	0 0.0000000000	0	0	0	
##	CSI056	0.000000e+00	0 0.0000000000	0	0	0	
##	CSI066	0.000000e+00	0 0.0000000000	0	0	0	
##	0tu02376	0tu02377	0tu02378	0tu02379	0tu02380	0tu02381	0tu02382
##	CSI002	0	0	0	0	0	0 0.000000e+00
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 0.000000e+00
##	CSI045	0	0	0	0	0	0 6.530186e-05
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##	0tu02383	0tu02384	0tu02385	0tu02386	0tu02387	0tu02388	
##	CSI002	0	0	0 1.089755e-04	0 4.086581e-05	0 4.086581e-05	
##	CSI013	0	0	0 1.278323e-04	0 3.195807e-05	0 3.195807e-05	
##	CSI023	0	0	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	
##	CSI034	0	0	0 3.789817e-05	0 1.136945e-04	0 1.136945e-04	
##	CSI045	0	0	0 0.000000e+00	0 2.612074e-04	0 2.612074e-04	
##	CSI056	0	0	0 1.763357e-04	0 7.837144e-05	0 7.837144e-05	
##	CSI066	0	0	0 0.000000e+00	0 0.000000e+00	0 0.000000e+00	
##	0tu02389	0tu02390	0tu02391	0tu02392	0tu02393	0tu02394	
##	CSI002	0	0 0.000000e+00	0.000000e+00	0	0	
##	CSI013	0	0 0.000000e+00	0.000000e+00	0	0	
##	CSI023	0	0 0.000000e+00	0.000000e+00	0	0	
##	CSI034	0	0 0.000000e+00	0.000000e+00	0	0	
##	CSI045	0	0 2.285565e-04	0.000000e+00	0	0	
##	CSI056	0	0 7.837144e-05	0.000000e+00	0	0	

##	CSI066	0	0	5.750542e-05	0.000000e+00	0	0
##		0tu02395	0tu02396	0tu02397	0tu02398	0tu02399	0tu02400
##	CSI002	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	0	6.391614e-05	0	0	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0	0.000000e+00	0	0	1.515927e-04	0
##	CSI045	0	0.000000e+00	0	0	6.530186e-05	0
##	CSI056	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI066	0	0.000000e+00	0	0	5.750542e-05	0
##		0tu02401	0tu02402	0tu02403	0tu02404	0tu02405	0tu02406
##	CSI002	0	0	0.0000000000	0	0	0
##	CSI013	0	0	0.0000000000	0	0	0
##	CSI023	0	0	0.0000000000	0	0	0
##	CSI034	0	0	0.0000000000	0	0	0
##	CSI045	0	0	0.0000000000	0	0	0
##	CSI056	0	0	0.000274300	0	0	0
##	CSI066	0	0	0.0000000000	0	0	0
##		0tu02408	0tu02409	0tu02410	0tu02411	0tu02412	
##	CSI002	0.000000e+00	0.000000e+00	0	0.0000000000	0	
##	CSI013	6.391614e-05	0.000000e+00	0	0.0000000000	0	
##	CSI023	2.041025e-05	0.000000e+00	0	0.0000000000	0	
##	CSI034	7.579634e-05	1.894908e-05	0	0.0000000000	0	
##	CSI045	0.000000e+00	3.265093e-05	0	0.0000000000	0	
##	CSI056	0.000000e+00	1.959286e-05	0	0.0001959286	0	
##	CSI066	5.750542e-05	1.916847e-05	0	0.0000000000	0	
##		0tu02413	0tu02414	0tu02415	0tu02416	0tu02417	0tu02418
##	CSI002	0.000000e+00	0	0	0	1.770852e-04	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	1.278323e-04	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	6.123074e-05	0.000000e+00
##	CSI034	1.894908e-05	0	0	0	1.136945e-04	0.000000e+00
##	CSI045	3.265093e-05	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	3.918572e-05
##	CSI066	1.916847e-05	0	0	0	0.000000e+00	0.000000e+00
##		0tu02419	0tu02420	0tu02421	0tu02422	0tu02423	
##	CSI002	0.000000e+00	0	2.860607e-04	2.724387e-05	0	
##	CSI013	0.000000e+00	0	9.587421e-05	6.391614e-05	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0.000000e+00	2.084399e-04	0	
##	CSI045	3.265093e-05	0	0.000000e+00	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##		0tu02424	0tu02425	0tu02426	0tu02427	0tu02428	0tu02429
##	CSI002	0.0000000000	4.086581e-05	0	0	0.000000e+00	0
##	CSI013	0.0000000000	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0.0000000000	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0.0000000000	7.579634e-05	0	0	0.000000e+00	0
##	CSI045	0.0000000000	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	0.0000000000	7.837144e-05	0	0	1.371500e-04	0
##	CSI066	0.0001916847	0.000000e+00	0	0	0.000000e+00	0
##		0tu02430	0tu02431	0tu02432	0tu02433	0tu02434	
##	CSI002	0	6.810968e-05	0	0.000000e+00	0.000000e+00	
##	CSI013	0	4.474130e-04	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI034	0	2.084399e-04	0	0.000000e+00	0.000000e+00	

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## CSI045      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI056      0 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI066      0 0.000000e+00      0 3.833694e-05 0.000000e+00
##           0tu02435      0tu02436 0tu02437      0tu02438 0tu02439 0tu02440
## CSI002 0.000000e+00 1.362194e-05      0 4.086581e-05      0      0
## CSI013 0.000000e+00 0.000000e+00      0 3.195807e-05      0      0
## CSI023 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI034 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI045 6.530186e-05 0.000000e+00      0 0.000000e+00      0      0
## CSI056 0.000000e+00 5.877858e-05      0 0.000000e+00      0      0
## CSI066 1.916847e-05 0.000000e+00      0 1.916847e-05      0      0
##           0tu02441 0tu02442 0tu02443 0tu02444 0tu02445 0tu02446 0tu02447
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##           0tu02448 0tu02449      0tu02450      0tu02451      0tu02452 0tu02453
## CSI002      0      0 1.362194e-05 0.000000e+00 0.000000000000      0
## CSI013      0      0 3.195807e-05 0.000000e+00 0.000000000000      0
## CSI023      0      0 4.082049e-05 0.000000e+00 0.000000000000      0
## CSI034      0      0 1.326436e-04 0.000000e+00 0.000000000000      0
## CSI045      0      0 0.000000e+00 0.000000e+00 0.000000000000      0
## CSI056      0      0 0.000000e+00 0.000000e+00 0.000000000000      0
## CSI066      0      0 0.000000e+00 0.000000e+00 0.0001533478      0
##           0tu02454 0tu02455 0tu02456 0tu02457      0tu02458      0tu02459
## CSI002      0      0      0      0 6.810968e-05 0.000000e+00
## CSI013      0      0      0      0 0.000000e+00 0.000000e+00
## CSI023      0      0      0      0 0.000000e+00 0.000000e+00
## CSI034      0      0      0      0 1.326436e-04 0.000000e+00
## CSI045      0      0      0      0 0.000000e+00 1.632546e-04
## CSI056      0      0      0      0 0.000000e+00 0.000000e+00
## CSI066      0      0      0      0 0.000000e+00 3.833694e-05
##           0tu02460      0tu02461      0tu02462      0tu02463      0tu02464
## CSI002      0 0.000000e+00 1.089755e-04 1.225974e-04 0.000000e+00
## CSI013      0 0.000000e+00 0.000000e+00 6.391614e-05 0.000000e+00
## CSI023      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034      0 0.000000e+00 7.579634e-05 1.894908e-05 0.000000e+00
## CSI045      0 3.265093e-05 0.000000e+00 3.265093e-05 6.530186e-05
## CSI056      0 9.796430e-05 0.000000e+00 0.000000e+00 7.837144e-05
## CSI066      0 7.667389e-05 0.000000e+00 3.833694e-05 1.916847e-05
##           0tu02465 0tu02466 0tu02467 0tu02468      0tu02469 0tu02470
## CSI002 0.000000000000      0      0      0 2.724387e-05      0
## CSI013 0.000000000000      0      0      0 3.195807e-05      0
## CSI023 0.000000000000      0      0      0 2.041025e-05      0
## CSI034 0.0001326436      0      0      0 2.652872e-04      0
## CSI045 0.000000000000      0      0      0 0.000000e+00      0
## CSI056 0.000000000000      0      0      0 0.000000e+00      0
## CSI066 0.000000000000      0      0      0 0.000000e+00      0
##           0tu02471      0tu02472      0tu02473      0tu02474 0tu02475
## CSI002      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI013      0 0.000000e+00 0.000000e+00 0.000000e+00      0

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## CSI023      0 0.000000e+00 0.000000e+00 2.041025e-05      0
## CSI034      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI045      0 1.306037e-04 3.265093e-05 0.000000e+00      0
## CSI056      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI066      0 9.584236e-05 3.833694e-05 0.000000e+00      0
##      0tu02476 0tu02477      0tu02478      0tu02479      0tu02480
## CSI002 0.000000e+00      0 0.00000000000 5.448775e-05 8.173162e-05
## CSI013 1.086574e-03      0 0.0018535681 1.917484e-04 0.000000e+00
## CSI023 2.449230e-04      0 0.00000000000 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00      0 0.00000000000 3.979308e-04 1.705418e-04
## CSI045 0.000000e+00      0 0.00000000000 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00      0 0.0001175572 0.000000e+00 1.959286e-05
## CSI066 0.000000e+00      0 0.00000000000 0.000000e+00 0.000000e+00
##      0tu02481      0tu02482      0tu02483 0tu02484      0tu02485
## CSI002      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI013      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI023      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI034      0 0.000000e+00 3.789817e-05      0 0.000000e+00
## CSI045      0 9.795279e-05 0.000000e+00      0 6.530186e-05
## CSI056      0 0.000000e+00 0.000000e+00      0 1.959286e-05
## CSI066      0 0.000000e+00 7.667389e-05      0 3.833694e-05
##      0tu02486      0tu02487      0tu02488      0tu02489 0tu02490
## CSI002 0.000000e+00 0.000000e+00 0.000000e+00 1.362194e-05      0
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00 1.917484e-04      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI034 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI045 3.265093e-05 0.000000e+00 3.265093e-05 0.000000e+00      0
## CSI056 0.000000e+00 5.877858e-05 0.000000e+00 0.000000e+00      0
## CSI066 0.000000e+00 3.833694e-05 0.000000e+00 0.000000e+00      0
##      0tu02491 0tu02492 0tu02493 0tu02494 0tu02495      0tu02496 0tu02497
## CSI002      0      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0      0 0.000000e+00      0
## CSI023      0      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0      0 0.000000e+00      0
## CSI045      0      0      0      0      0 0.000000e+00      0
## CSI056      0      0      0      0      0 0.000000e+00      0
## CSI066      0      0      0      0      0 0.000000e+00      0
##      0tu02498 0tu02499 0tu02500 0tu02501 0tu02502 0tu02503
## CSI002 0.000000e+00      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0
## CSI034 1.894908e-05      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0
##      0tu02504 0tu02505 0tu02506 0tu02507      0tu02508      0tu02509
## CSI002 0.00000000000      0      0      0 0.000000e+00 5.448775e-05
## CSI013 0.00000000000      0      0      0 0.000000e+00 3.834969e-04
## CSI023 0.00000000000      0      0      0 0.000000e+00 2.041025e-05
## CSI034 0.00000000000      0      0      0 3.789817e-05 2.273890e-04
## CSI045 0.00000000000      0      0      0 0.000000e+00 0.000000e+00
## CSI056 0.00000000000      0      0      0 3.722643e-04 0.000000e+00
## CSI066 0.0005558857      0      0      0 1.916847e-05 0.000000e+00
##      0tu02510 0tu02511      0tu02512 0tu02513      0tu02514 0tu02515

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## CSI002 1.362194e-05      0 0.000000e+00      0 0.000000e+00      0
## CSI013 0.000000e+00      0 9.587421e-05      0 3.195807e-05      0
## CSI023 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI034 0.000000e+00      0 1.894908e-05      0 0.000000e+00      0
## CSI045 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI056 0.000000e+00      0 1.959286e-05      0 0.000000e+00      0
## CSI066 0.000000e+00      0 5.750542e-05      0 5.750542e-05      0
##      0tu02516 0tu02517 0tu02518 0tu02519      0tu02520 0tu02521
## CSI002 0.0000000000      0      0      0 0.000000e+00      0
## CSI013 0.0000000000      0      0      0 0.000000e+00      0
## CSI023 0.0000000000      0      0      0 0.000000e+00      0
## CSI034 0.0000000000      0      0      0 0.000000e+00      0
## CSI045 0.0000000000      0      0      0 1.959056e-04      0
## CSI056 0.0000000000      0      0      0 0.000000e+00      0
## CSI066 0.0003066955      0      0      0 0.000000e+00      0
##      0tu02522      0tu02523 0tu02524 0tu02525      0tu02526
## CSI002 0.000000e+00 6.810968e-05      0      0 0.000000e+00
## CSI013 0.000000e+00 3.515388e-04      0      0 0.000000e+00
## CSI023 0.000000e+00 2.041025e-05      0      0 1.428717e-04
## CSI034 0.000000e+00 4.358289e-04      0      0 0.000000e+00
## CSI045 1.959056e-04 0.000000e+00      0      0 0.000000e+00
## CSI056 3.918572e-05 0.000000e+00      0      0 1.175572e-04
## CSI066 0.000000e+00 0.000000e+00      0      0 0.000000e+00
##      0tu02527 0tu02528      0tu02529 0tu02530 0tu02531      0tu02532
## CSI002 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI013 0.000000e+00      0 0.000000e+00      0      0 1.597904e-04
## CSI023 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI034 0.000000e+00      0 0.000000e+00      0      0 2.842363e-04
## CSI045 6.530186e-05      0 3.265093e-05      0      0 0.000000e+00
## CSI056 0.000000e+00      0 9.796430e-05      0      0 0.000000e+00
## CSI066 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
##      0tu02533      0tu02534      0tu02535 0tu02536      0tu02537
## CSI002 4.086581e-05 0.000000e+00 5.448775e-05      0 0.000000e+00
## CSI013 0.000000e+00 0.000000e+00 3.195807e-05      0 0.000000e+00
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI034 3.789817e-05 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI045 0.000000e+00 3.265093e-05 0.000000e+00      0 0.000000e+00
## CSI056 0.000000e+00 1.959286e-05 7.837144e-05      0 0.000000e+00
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00      0 0.000000e+00
##      0tu02538      0tu02539      0tu02540 0tu02541      0tu02542
## CSI002 5.448775e-05 2.724387e-05 0.000000e+00      0 0.000000e+00
## CSI013 2.237065e-04 2.556646e-04 3.195807e-05      0 0.000000e+00
## CSI023 0.000000e+00 6.123074e-05 2.041025e-05      0 0.000000e+00
## CSI034 7.579634e-05 0.000000e+00 3.789817e-05      0 0.000000e+00
## CSI045 3.265093e-05 0.000000e+00 3.265093e-05      0 0.000000e+00
## CSI056 1.959286e-05 0.000000e+00 3.918572e-05      0 0.000000e+00
## CSI066 0.000000e+00 9.584236e-05 1.916847e-05      0 1.916847e-05
##      0tu02543 0tu02544 0tu02545      0tu02546      0tu02547 0tu02548
## CSI002 0.000000e+00      0      0 1.498413e-04 1.362194e-05      0
## CSI013 9.587421e-05      0      0 0.000000e+00 1.597904e-04      0
## CSI023 0.000000e+00      0      0 2.041025e-05 4.082049e-05      0
## CSI034 9.474542e-05      0      0 2.463381e-04 0.000000e+00      0
## CSI045 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI056 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0

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## CSI066 0.000000e+00      0      0 0.000000e+00 1.916847e-05      0
##      0tu02549 0tu02550 0tu02551 0tu02552 0tu02553 0tu02554 0tu02555
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu02556      0tu02557      0tu02558 0tu02559      0tu02560
## CSI002      0 0.000000e+00 1.362194e-05      0 0.000000e+00
## CSI013      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI023      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI034      0 3.789817e-05 1.894908e-05      0 0.000000e+00
## CSI045      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI056      0 5.877858e-05 0.000000e+00      0 0.000000e+00
## CSI066      0 5.750542e-05 0.000000e+00      0 0.000000e+00
##      0tu02561 0tu02562      0tu02563 0tu02564 0tu02565 0tu02566
## CSI002 9.535356e-05      0 0.000000e+00      0      0      0
## CSI013 0.000000e+00      0 3.195807e-05      0      0      0
## CSI023 0.000000e+00      0 0.000000e+00      0      0      0
## CSI034 2.842363e-04      0 0.000000e+00      0      0      0
## CSI045 0.000000e+00      0 0.000000e+00      0      0      0
## CSI056 1.959286e-05      0 0.000000e+00      0      0      0
## CSI066 0.000000e+00      0 0.000000e+00      0      0      0
##      0tu02567      0tu02568 0tu02569 0tu02570      0tu02571 0tu02572
## CSI002 2.451949e-04 0.000000e+00      0      0 0.000000e+00      0
## CSI013 9.587421e-05 0.000000e+00      0      0 1.597904e-04      0
## CSI023 1.020512e-04 0.000000e+00      0      0 0.000000e+00      0
## CSI034 7.579634e-05 0.000000e+00      0      0 9.474542e-05      0
## CSI045 0.000000e+00 6.530186e-05      0      0 0.000000e+00      0
## CSI056 5.877858e-05 0.000000e+00      0      0 0.000000e+00      0
## CSI066 0.000000e+00 0.000000e+00      0      0 3.642010e-04      0
##      0tu02573 0tu02574      0tu02575      0tu02576 0tu02577 0tu02578
## CSI002 2.724387e-05      0 0.000000e+00 0.000000e+00      0      0
## CSI013 9.587421e-05      0 0.000000e+00 0.000000e+00      0      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI034 5.874216e-04      0 1.894908e-05 1.136945e-04      0      0
## CSI045 0.000000e+00      0 6.530186e-05 0.000000e+00      0      0
## CSI056 0.000000e+00      0 1.567429e-04 0.000000e+00      0      0
## CSI066 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
##      0tu02579      0tu02580 0tu02581 0tu02582 0tu02583 0tu02584
## CSI002 0.000000e+00 0.0000000000      0      0      0      0
## CSI013 0.000000e+00 0.0000000000      0      0      0      0
## CSI023 0.000000e+00 0.0000000000      0      0      0      0
## CSI034 1.894908e-05 0.0000000000      0      0      0      0
## CSI045 0.000000e+00 0.0000000000      0      0      0      0
## CSI056 0.000000e+00 0.0002938929      0      0      0      0
## CSI066 3.833694e-05 0.0000000000      0      0      0      0
##      0tu02585 0tu02586      0tu02587      0tu02588 0tu02589      0tu02590
## CSI002      0      0 1.362194e-05 0.000000e+00      0 0.000000e+00
## CSI013      0      0 2.237065e-04 0.000000e+00      0 0.000000e+00
## CSI023      0      0 2.041025e-05 0.000000e+00      0 0.000000e+00
## CSI034      0      0 2.463381e-04 0.000000e+00      0 0.000000e+00

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##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	7.837144e-05	0	0.000000e+00
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	0tu02591	0tu02592	0tu02593	0tu02594	0tu02595	0tu02596	
##	CSI002	0	1.089755e-04	0	0.000000e+00	0	0
##	CSI013	0	9.587421e-05	0	1.597904e-04	0	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0	0.000000e+00	0	1.894908e-05	0	0
##	CSI045	0	0.000000e+00	0	1.632546e-04	0	0
##	CSI056	0	0.000000e+00	0	3.918572e-05	0	0
##	CSI066	0	1.916847e-04	0	9.584236e-05	0	0
##	0tu02597	0tu02598	0tu02599	0tu02600	0tu02601	0tu02602	
##	CSI002	0	4.086581e-05	0	0.000000e+00	0	0
##	CSI013	0	3.195807e-05	0	0.000000e+00	0	0
##	CSI023	0	0.000000e+00	0	1.020512e-04	0	0
##	CSI034	0	3.789817e-05	0	1.894908e-05	0	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0
##	0tu02603	0tu02604	0tu02605	0tu02606	0tu02607	0tu02608	0tu02609
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	1.894908e-05	0	0
##	CSI045	0	0	0	1.306037e-04	0	0
##	CSI056	0	0	0	1.959286e-05	0	0
##	CSI066	0	0	0	3.833694e-05	0	0
##	0tu02610	0tu02611	0tu02612	0tu02613	0tu02614	0tu02615	0tu02616
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	6.530186e-05	0	0
##	CSI056	0	0	0	8.816787e-04	0	0
##	CSI066	0	0	0	3.833694e-05	0	0
##	0tu02617	0tu02618	0tu02619	0tu02620	0tu02621	0tu02622	0tu02623
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##	0tu02624	0tu02625	0tu02626	0tu02627	0tu02628		
##	CSI002	0	1.362194e-05	0.000000e+00	0	5.448775e-05	
##	CSI013	0	0.000000e+00	0.000000e+00	0	1.597904e-04	
##	CSI023	0	4.082049e-05	0.000000e+00	0	0.000000e+00	
##	CSI034	0	0.000000e+00	0.000000e+00	0	7.579634e-05	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI066	0	0.000000e+00	7.667389e-05	0	5.750542e-05	
##	0tu02629	0tu02630	0tu02631	0tu02632	0tu02633	0tu02634	
##	CSI002	4.086581e-04	0	0	0	0	
##	CSI013	6.391614e-05	0	0	0	0	

##	CSI023	2.041025e-05	0	0	0	0	0
##	CSI034	7.579634e-05	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	1.959286e-05	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu02635	0tu02636	0tu02637	0tu02638	0tu02639	0tu02640
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	2.041025e-05	0	0	0	0
##	CSI034	5.684725e-05	0.000000e+00	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu02641	0tu02642	0tu02643	0tu02644	0tu02645	0tu02646
##	CSI002	1.362194e-04	1.362194e-05	0	1.362194e-04	0	0
##	CSI013	2.556646e-04	3.195807e-05	0	6.391614e-05	0	0
##	CSI023	0.000000e+00	4.082049e-05	0	0.000000e+00	0	0
##	CSI034	3.600326e-04	6.442688e-04	0	3.789817e-05	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	3.265093e-05	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##		0tu02647	0tu02648	0tu02649	0tu02650	0tu02651	0tu02652
##	CSI002	2.860607e-04	0	0.000000e+00	4.086581e-05	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	1.278323e-04	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	3.789817e-05	0	0.000000e+00	1.894908e-05	0	0
##	CSI045	0.000000e+00	0	3.265093e-05	6.530186e-05	0	0
##	CSI056	0.000000e+00	0	2.351143e-04	2.351143e-04	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##		0tu02653	0tu02654	0tu02655	0tu02656	0tu02657	0tu02658
##	CSI002	0.000000e+00	4.359020e-04	0	8.173162e-05	0	0
##	CSI013	0.000000e+00	3.195807e-05	0	2.876226e-04	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0.000000e+00	0	3.600326e-04	0	0
##	CSI045	0.000000e+00	6.530186e-05	0	0.000000e+00	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	1.916847e-05	0	0.000000e+00	0	0
##		0tu02659	0tu02660	0tu02661	0tu02662	0tu02663	0tu02664
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI013	0	1.278323e-04	0.000000e+00	0	0	0
##	CSI023	0	2.041025e-05	0.000000e+00	0	0	0
##	CSI034	0	7.579634e-05	0.000000e+00	0	0	0
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI056	0	0.000000e+00	1.959286e-05	0	0	0
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0
##		0tu02665	0tu02666	0tu02667	0tu02668	0tu02669	0tu02670
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	5.877858e-05	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu02672	0tu02673	0tu02674	0tu02675	0tu02676	0tu02677

##	CSI002	0 0.000000e+00	0 4.086581e-05	0	0
##	CSI013	0 0.000000e+00	0 6.391614e-05	0	0
##	CSI023	0 0.000000e+00	0 0.000000e+00	0	0
##	CSI034	0 0.000000e+00	0 5.684725e-05	0	0
##	CSI045	0 0.000000e+00	0 0.000000e+00	0	0
##	CSI056	0 0.000000e+00	0 0.000000e+00	0	0
##	CSI066	0 5.750542e-05	0 1.916847e-05	0	0
##		0tu02678 0tu02679	0tu02680	0tu02681 0tu02682	0tu02683
##	CSI002	0.000000e+00	0 0.0000000000	0.000000e+00	0
##	CSI013	3.195807e-05	0 0.0000000000	0.000000e+00	0
##	CSI023	0.000000e+00	0 0.0000000000	0.000000e+00	0
##	CSI034	0.000000e+00	0 0.0000000000	0.000000e+00	0
##	CSI045	0.000000e+00	0 0.0000000000	6.530186e-05	0
##	CSI056	0.000000e+00	0 0.0012343502	1.959286e-05	0
##	CSI066	0.000000e+00	0 0.0000000000	0.000000e+00	0
##		0tu02684 0tu02685	0tu02686	0tu02687 0tu02688	0tu02689
##	CSI002	0 0.0000000000	1.362194e-05	0	0 0.000000e+00
##	CSI013	0 0.0000000000	0.000000e+00	0	0 0.000000e+00
##	CSI023	0 0.0000000000	2.041025e-05	0	0 0.000000e+00
##	CSI034	0 0.0000000000	1.894908e-05	0	0 0.000000e+00
##	CSI045	0 0.0000000000	0.000000e+00	0	0 0.000000e+00
##	CSI056	0 0.0000000000	0.000000e+00	0	0 0.000000e+00
##	CSI066	0 0.0001341793	0.000000e+00	0	0 0.000000e+00
##		0tu02690 0tu02691	0tu02692	0tu02693 0tu02694	0tu02695
##	CSI002	0.0000000000	0.000000e+00	0	0 4.222800e-04
##	CSI013	0.0000000000	0.000000e+00	0	0 3.195807e-05
##	CSI023	0.0000000000	2.041025e-05	0	0 6.123074e-05
##	CSI034	0.0000000000	0.000000e+00	0	0 1.894908e-05
##	CSI045	0.0000000000	0.000000e+00	0	0 0.000000e+00
##	CSI056	0.0000000000	0.000000e+00	0	0 0.000000e+00
##	CSI066	0.0000000000	0.000000e+00	0	0 0.000000e+00
##		0tu02696 0tu02697	0tu02698	0tu02699 0tu02700	0tu02701
##	CSI002	0.000000e+00	0	0	0 1.089755e-04
##	CSI013	0.000000e+00	0	0	0 1.278323e-04
##	CSI023	0.000000e+00	0	0	0 0.000000e+00
##	CSI034	0.000000e+00	0	0	0 3.789817e-05
##	CSI045	3.265093e-05	0	0	0 0.000000e+00
##	CSI056	0.000000e+00	0	0	0 0.000000e+00
##	CSI066	1.916847e-05	0	0	0 0.000000e+00
##		0tu02702 0tu02703	0tu02704	0tu02705	0tu02706
##	CSI002	0.000000e+00	0 4.086581e-05	0	0 0.000000e+00
##	CSI013	0.000000e+00	0 2.556646e-04	0	0 0.000000e+00
##	CSI023	0.000000e+00	0 0.000000e+00	0	0 0.000000e+00
##	CSI034	0.000000e+00	0 2.652872e-04	0	0 0.000000e+00
##	CSI045	6.530186e-05	0 0.000000e+00	0	0 0.000000e+00
##	CSI056	0.000000e+00	0 0.000000e+00	0	4.114501e-04
##	CSI066	3.833694e-05	0 0.000000e+00	0	1.916847e-05
##		0tu02707 0tu02708	0tu02709	0tu02710 0tu02711	0tu02712
##	CSI002	0.000000e+00	0 0.000000e+00	0.000000e+00	0
##	CSI013	3.195807e-05	0 0.000000e+00	0.000000e+00	0
##	CSI023	0.000000e+00	0 0.000000e+00	0.000000e+00	0
##	CSI034	0.000000e+00	0 3.789817e-05	0.000000e+00	0
##	CSI045	0.000000e+00	0 0.000000e+00	2.612074e-04	0
##	CSI056	1.959286e-05	0 0.000000e+00	0.000000e+00	0

##	CSI066	0.000000e+00	0	0.000000e+00	1.725162e-04	0	0
##		0tu02713	0tu02714	0tu02715	0tu02716	0tu02717	0tu02718
##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	3.789817e-05	0.000000e+00	0	0
##	CSI045	0	0	0.000000e+00	1.959056e-04	0	0
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	0	0	0.000000e+00	7.092335e-04	0	0
##		0tu02719	0tu02720	0tu02721	0tu02722	0tu02723	
##	CSI002	4.086581e-05	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI013	9.587421e-05	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI023	0.000000e+00	0	6.123074e-05	2.041025e-05	0.000000e+00	
##	CSI034	3.789817e-05	0	0.000000e+00	1.894908e-05	1.894908e-05	
##	CSI045	0.000000e+00	0	0.000000e+00	3.265093e-05	0.000000e+00	
##	CSI056	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI066	0.000000e+00	0	2.491901e-04	3.833694e-05	0.000000e+00	
##		0tu02724	0tu02725	0tu02726	0tu02727	0tu02728	0tu02729
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	3.918572e-05	0	0	0	0	0
##	CSI066	1.150108e-04	0	0	0	0	0
##		0tu02731	0tu02732	0tu02733	0tu02734	0tu02735	0tu02736
##	CSI002	0	0	0	0.000000e+00	0	9.535356e-05
##	CSI013	0	0	0	0.000000e+00	0	3.195807e-05
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI034	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI056	0	0	0	3.918572e-05	0	0.000000e+00
##	CSI066	0	0	0	0.000000e+00	0	0.000000e+00
##		0tu02737	0tu02738	0tu02739	0tu02740	0tu02741	0tu02742
##	CSI002	0	0	0	0	1.362194e-05	0
##	CSI013	0	0	0	0	6.391614e-05	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	3.789817e-04	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu02744	0tu02745	0tu02746	0tu02747	0tu02748	0tu02749
##	CSI002	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##		0tu02751	0tu02752	0tu02753	0tu02754	0tu02755	0tu02756
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	3.195807e-05
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	9.474542e-05

##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 1.959286e-05
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		0tu02758	0tu02759	0tu02760	0tu02761	0tu02762	0tu02763 0tu02764
##	CSI002	0	0	0	0 0.000000e+00	0	0
##	CSI013	0	0	0	0 0.000000e+00	0	0
##	CSI023	0	0	0	0 0.000000e+00	0	0
##	CSI034	0	0	0	0 0.000000e+00	0	0
##	CSI045	0	0	0	0 0.000000e+00	0	0
##	CSI056	0	0	0	0 0.000000e+00	0	0
##	CSI066	0	0	0	0 1.916847e-05	0	0
##		0tu02765	0tu02766	0tu02767	0tu02768	0tu02769	0tu02770
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	3.195807e-05	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	0.000000e+00	1.894908e-05	0	0	0	0
##	CSI045	0.000000e+00	1.959056e-04	0	0	0	0
##	CSI056	0.000000e+00	3.330786e-04	0	0	0	0
##	CSI066	1.916847e-05	1.916847e-05	0	0	0	0
##		0tu02771	0tu02772	0tu02773	0tu02774	0tu02775	0tu02776 0tu02777
##	CSI002	0	0	0	0	0 0.0000000000	0
##	CSI013	0	0	0	0	0 0.0000000000	0
##	CSI023	0	0	0	0	0 0.0000000000	0
##	CSI034	0	0	0	0	0 0.0000000000	0
##	CSI045	0	0	0	0	0 0.0000000000	0
##	CSI056	0	0	0	0	0 0.0000000000	0
##	CSI066	0	0	0	0	0 0.0000000000	0
##		0tu02778	0tu02779	0tu02780	0tu02781	0tu02782	0tu02783
##	CSI002	0.000000e+00	0	0 0.000000e+00	0	0	0
##	CSI013	0.000000e+00	0	0 2.237065e-04	0	0	0
##	CSI023	0.000000e+00	0	0 2.041025e-05	0	0	0
##	CSI034	0.000000e+00	0	0 2.273890e-04	0	0	0
##	CSI045	0.000000e+00	0	0 3.265093e-05	0	0	0
##	CSI056	0.000000e+00	0	0 0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	0 9.584236e-05	0	0	0
##		0tu02784	0tu02785	0tu02786	0tu02787	0tu02788	0tu02789
##	CSI002	0.000000e+00	0.0000000000	0	0	0	0
##	CSI013	0.000000e+00	0.0000000000	0	0	0	0
##	CSI023	0.000000e+00	0.0000000000	0	0	0	0
##	CSI034	1.894908e-05	0.0000000000	0	0	0	0
##	CSI045	6.530186e-05	0.0000000000	0	0	0	0
##	CSI056	0.000000e+00	0.0000000000	0	0	0	0
##	CSI066	0.000000e+00	0.0000000000	0	0	0	0
##		0tu02790	0tu02791	0tu02792	0tu02793	0tu02794	0tu02795
##	CSI002	0.000000e+00	1.362194e-05	0	0	0 1.089755e-04	
##	CSI013	0.000000e+00	1.597904e-04	0	0	0 3.195807e-05	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0 6.123074e-05	
##	CSI034	0.000000e+00	0.000000e+00	0	0	0 2.463381e-04	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00	
##	CSI056	0.000000e+00	7.837144e-05	0	0	0 0.000000e+00	
##	CSI066	0.000000e+00	9.584236e-05	0	0	0 1.916847e-05	
##		0tu02796	0tu02797	0tu02798	0tu02799	0tu02800	0tu02801
##	CSI002	0.000000e+00	0	0 6.810968e-05	0	0 1.362194e-05	
##	CSI013	0.000000e+00	0	0 0.000000e+00	0	0 0.000000e+00	

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## CSI023 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI034 0.000000e+00      0      0 3.789817e-05      0 1.894908e-05
## CSI045 3.265093e-05      0      0 0.000000e+00      0 0.000000e+00
## CSI056 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI066 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
##      0tu02802 0tu02803 0tu02804      0tu02805 0tu02806      0tu02807
## CSI002 5.448775e-05      0      0 0.000000e+00      0 6.810968e-05
## CSI013 3.515388e-04      0      0 0.000000e+00      0 0.000000e+00
## CSI023 2.041025e-05      0      0 0.000000e+00      0 0.000000e+00
## CSI034 1.515927e-04      0      0 0.000000e+00      0 9.474542e-05
## CSI045 0.000000e+00      0      0 3.265093e-05      0 0.000000e+00
## CSI056 0.000000e+00      0      0 7.837144e-05      0 0.000000e+00
## CSI066 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
##      0tu02808      0tu02809 0tu02810 0tu02811 0tu02812 0tu02813
## CSI002 0.000000e+00 0.000000e+00      0      0      0      0
## CSI013 2.876226e-04 6.391614e-05      0      0      0      0
## CSI023 4.082049e-05 6.123074e-05      0      0      0      0
## CSI034 0.000000e+00 3.789817e-05      0      0      0      0
## CSI045 0.000000e+00 0.000000e+00      0      0      0      0
## CSI056 0.000000e+00 0.000000e+00      0      0      0      0
## CSI066 1.916847e-05 0.000000e+00      0      0      0      0
##      0tu02814 0tu02815      0tu02816      0tu02817 0tu02818
## CSI002 1.362194e-05      0 0.000000e+00 0.000000e+00      0
## CSI013 1.597904e-04      0 0.000000e+00 0.000000e+00      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI034 9.474542e-05      0 0.000000e+00 0.000000e+00      0
## CSI045 0.000000e+00      0 0.000000e+00 3.265093e-05      0
## CSI056 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI066 0.000000e+00      0 2.300217e-04 0.000000e+00      0
##      0tu02819      0tu02820 0tu02821 0tu02822      0tu02823 0tu02824
## CSI002 0.000000e+00 1.362194e-05      0      0 1.362194e-05      0
## CSI013 0.000000e+00 0.000000e+00      0      0 3.195807e-05      0
## CSI023 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI034 0.000000e+00 1.894908e-05      0      0 0.000000e+00      0
## CSI045 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI056 0.000000e+00 1.567429e-04      0      0 0.000000e+00      0
## CSI066 3.833694e-05 2.875271e-04      0      0 0.000000e+00      0
##      0tu02825 0tu02826      0tu02827 0tu02828      0tu02829 0tu02830
## CSI002 8.173162e-05      0 1.362194e-05      0 8.173162e-05      0
## CSI013 0.000000e+00      0 0.000000e+00      0 1.917484e-04      0
## CSI023 1.632820e-04      0 0.000000e+00      0 0.000000e+00      0
## CSI034 5.684725e-05      0 2.842363e-04      0 2.084399e-04      0
## CSI045 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI056 2.155215e-04      0 0.000000e+00      0 0.000000e+00      0
## CSI066 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
##      0tu02831 0tu02832 0tu02833 0tu02834 0tu02835 0tu02836 0tu02837
## CSI002 1.362194e-05      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 5.684725e-05      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu02838      0tu02839 0tu02840      0tu02841      0tu02842

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##	CSI002	0	4.903897e-04	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0.000000e+00	0	2.612074e-04	0.000000e+00	
##	CSI056	0	0.000000e+00	0	0.000000e+00	3.918572e-05	
##	CSI066	0	0.000000e+00	0	4.217064e-04	0.000000e+00	
##		0tu02843	0tu02844	0tu02845	0tu02846	0tu02847	0tu02848
##	CSI002	2.724387e-05	1.362194e-05	0	0	0	0
##	CSI013	0.000000e+00	1.278323e-04	0	0	0	0
##	CSI023	0.000000e+00	4.082049e-05	0	0	0	0
##	CSI034	7.579634e-05	0.000000e+00	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	1.959286e-05	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	1.150108e-04	0	0	0	0
##		0tu02849	0tu02850	0tu02851	0tu02852	0tu02853	0tu02854
##	CSI002	0	4.086581e-05	0	0	0	0
##	CSI013	0	6.391614e-05	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	5.684725e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	1.916847e-05	0	0	0	0
##		0tu02856	0tu02857	0tu02858	0tu02859	0tu02860	
##	CSI002	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI013	0	0.000000e+00	6.391614e-05	0.000000e+00	0	
##	CSI023	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI034	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI045	0	0.000000e+00	0.000000e+00	0.000000e+00	0	
##	CSI056	0	2.547072e-04	0.000000e+00	0.000000e+00	0	
##	CSI066	0	3.833694e-05	0.000000e+00	0.000000e+00	0	
##		0tu02861	0tu02862	0tu02863	0tu02864	0tu02865	0tu02866
##	CSI002	4.086581e-05	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI066	7.667389e-05	1.916847e-05	0	0	0	0
##		0tu02867	0tu02868	0tu02869	0tu02870	0tu02871	
##	CSI002	0.000000e+00	0	0.000000e+00	0.0000000000	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0.0000000000	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0.0000000000	0	
##	CSI034	7.579634e-05	0	0.000000e+00	0.0000000000	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0.0001632546	0	
##	CSI056	0.000000e+00	0	0.000000e+00	0.0000000000	0	
##	CSI066	3.833694e-05	0	5.750542e-05	0.0000000000	0	
##		0tu02872	0tu02873	0tu02874	0tu02875	0tu02876	0tu02877
##	CSI002	2.724387e-05	0	0.000000e+00	0.000000e+00	0	0
##	CSI013	2.876226e-04	0	1.278323e-04	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0.000000e+00	0	3.789817e-05	0.000000e+00	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	2.155215e-04	0.000000e+00	0	0


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## CSI066 0.000000e+00      0 0.000000e+00 1.916847e-05      0      0
##      0tu02878 0tu02879 0tu02880      0tu02881 0tu02882 0tu02883 0tu02884
## CSI002      0      0      0 0.000000e+00      0      0      0
## CSI013      0      0      0 6.391614e-05      0      0      0
## CSI023      0      0      0 0.000000e+00      0      0      0
## CSI034      0      0      0 0.000000e+00      0      0      0
## CSI045      0      0      0 0.000000e+00      0      0      0
## CSI056      0      0      0 0.000000e+00      0      0      0
## CSI066      0      0      0 1.916847e-05      0      0      0
##      0tu02885 0tu02886 0tu02887 0tu02888      0tu02889      0tu02890
## CSI002 0.0000000000      0      0      0 0.000000e+00 0.000000e+00
## CSI013 0.0000000000      0      0      0 0.000000e+00 0.000000e+00
## CSI023 0.0000000000      0      0      0 0.000000e+00 0.000000e+00
## CSI034 0.0000000000      0      0      0 0.000000e+00 0.000000e+00
## CSI045 0.0000000000      0      0      0 0.000000e+00 6.530186e-05
## CSI056 0.0000000000      0      0      0 0.000000e+00 5.877858e-05
## CSI066 0.0000000000      0      0      0 3.833694e-05 1.341793e-04
##      0tu02891 0tu02892      0tu02893 0tu02894 0tu02895      0tu02896
## CSI002      0      0 0.000000e+00      0      0 0.000000e+00
## CSI013      0      0 0.000000e+00      0      0 9.587421e-04
## CSI023      0      0 0.000000e+00      0      0 0.000000e+00
## CSI034      0      0 0.000000e+00      0      0 0.000000e+00
## CSI045      0      0 0.000000e+00      0      0 0.000000e+00
## CSI056      0      0 0.000000e+00      0      0 5.877858e-05
## CSI066      0      0 4.408748e-04      0      0 0.000000e+00
##      0tu02897 0tu02898 0tu02899      0tu02900      0tu02901
## CSI002 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI013 3.195807e-05      0      0 0.000000e+00 3.195807e-05
## CSI023 2.041025e-05      0      0 0.000000e+00 0.000000e+00
## CSI034 9.474542e-05      0      0 0.000000e+00 9.474542e-05
## CSI045 6.530186e-05      0      0 0.000000e+00 3.265093e-05
## CSI056 9.796430e-05      0      0 5.877858e-05 0.000000e+00
## CSI066 0.000000e+00      0      0 0.000000e+00 0.000000e+00
##      0tu02902 0tu02903 0tu02904 0tu02905      0tu02906 0tu02907
## CSI002 2.724387e-05      0      0      0 1.362194e-05      0
## CSI013 1.597904e-04      0      0      0 0.000000e+00      0
## CSI023 0.000000e+00      0      0      0 0.000000e+00      0
## CSI034 9.474542e-05      0      0      0 0.000000e+00      0
## CSI045 0.000000e+00      0      0      0 0.000000e+00      0
## CSI056 0.000000e+00      0      0      0 3.918572e-05      0
## CSI066 0.000000e+00      0      0      0 0.000000e+00      0
##      0tu02908      0tu02909 0tu02910 0tu02911      0tu02912 0tu02913
## CSI002 1.362194e-05 0.000000e+00      0      0 1.362194e-05      0
## CSI013 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI023 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI034 0.000000e+00 0.000000e+00      0      0 7.579634e-05      0
## CSI045 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI056 1.959286e-05 0.000000e+00      0      0 0.000000e+00      0
## CSI066 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
##      0tu02914      0tu02915 0tu02916 0tu02917 0tu02918      0tu02919
## CSI002      0 0.000000e+00      0      0      0 0.000000e+00
## CSI013      0 6.391614e-05      0      0      0 0.000000e+00
## CSI023      0 0.000000e+00      0      0      0 0.000000e+00
## CSI034      0 1.326436e-04      0      0      0 0.000000e+00

```

##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI056	0	3.918572e-05	0	0	0	0.000000e+00
##	CSI066	0	3.833694e-05	0	0	0	0.000000e+00
##		0tu02920	0tu02921	0tu02922	0tu02923	0tu02924	0tu02925
##	CSI002	0.000000e+00	0	0.000000e+00	0	2.724387e-05	0
##	CSI013	3.195807e-05	0	0.000000e+00	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	9.795279e-05	0
##	CSI056	0.000000e+00	0	1.959286e-05	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##		0tu02926	0tu02927	0tu02928	0tu02929	0tu02930	0tu02931
##	CSI002	4.086581e-05	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	1.278323e-04	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	9.474542e-05	0.000000e+00	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	3.265093e-05	0	0	3.265093e-05	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	1.959286e-05	0
##	CSI066	1.916847e-05	3.833694e-05	0	0	0.000000e+00	0
##		0tu02932	0tu02933	0tu02934	0tu02935	0tu02936	0tu02937
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	5.448775e-05
##	CSI013	0	0	0	0.000000e+00	3.195807e-05	6.391614e-05
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI034	0	0	0	3.789817e-05	0.000000e+00	5.684725e-05
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##		0tu02938	0tu02939	0tu02940	0tu02941	0tu02942	0tu02943
##	CSI002	0	0	0	0	1.362194e-05	0.0000000000
##	CSI013	0	0	0	0	3.195807e-05	0.0000000000
##	CSI023	0	0	0	0	0.000000e+00	0.0000000000
##	CSI034	0	0	0	0	7.579634e-05	0.0000000000
##	CSI045	0	0	0	0	0.000000e+00	0.0001632546
##	CSI056	0	0	0	0	0.000000e+00	0.0000979643
##	CSI066	0	0	0	0	0.000000e+00	0.0001725162
##		0tu02944	0tu02945	0tu02946	0tu02947	0tu02948	0tu02949
##	CSI002	0	0	0	0	0.000000e+00	1.362194e-05
##	CSI013	0	0	0	0	0.000000e+00	2.237065e-04
##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI034	0	0	0	0	1.894908e-05	5.684725e-05
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI066	0	0	0	0	0.000000e+00	1.916847e-05
##		0tu02950	0tu02951	0tu02952	0tu02953	0tu02954	0tu02955
##	CSI002	0.0000000000	0	0	0	0	0
##	CSI013	0.0000000000	0	0	0	0	0
##	CSI023	0.0000000000	0	0	0	0	0
##	CSI034	0.0000000000	0	0	0	0	0
##	CSI045	0.0000000000	0	0	0	0	0
##	CSI056	0.0000000000	0	0	0	0	0
##	CSI066	0.0002108532	0	0	0	0	0
##		0tu02956	0tu02957	0tu02958	0tu02959	0tu02960	0tu02961
##	CSI002	6.810968e-05	0	0.000000e+00	0	0	0
##	CSI013	2.237065e-04	0	0.000000e+00	0	0	0

##	CSI023	2.041025e-05	0	0.000000e+00	0	0	0
##	CSI034	7.579634e-05	0	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0	9.795279e-05	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu02962	0tu02963	0tu02964	0tu02965	0tu02966	
##	CSI002	5.448775e-05	0	0.000000e+00	0.000000e+00	4.086581e-05	
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI023	0.000000e+00	0	0.000000e+00	2.041025e-05	0.000000e+00	
##	CSI034	5.684725e-05	0	5.684725e-05	0.000000e+00	0.000000e+00	
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0	0.000000e+00	1.371500e-04	0.000000e+00	
##	CSI066	0.000000e+00	0	0.000000e+00	0.000000e+00	1.916847e-05	
##		0tu02967	0tu02968	0tu02969	0tu02970	0tu02971	0tu02972
##	CSI002	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI013	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI034	0	0	0	0.000000e+00	0	5.684725e-05
##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI056	0	0	0	5.877858e-05	0	1.959286e-05
##	CSI066	0	0	0	0.000000e+00	0	0.000000e+00
##		0tu02973	0tu02974	0tu02975	0tu02976	0tu02977	0tu02978
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	9.587421e-05	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	6.530186e-05	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	3.833694e-05	0	0	0	0
##		0tu02980	0tu02981	0tu02982	0tu02983	0tu02984	0tu02985
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	2.041025e-05	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu02986	0tu02987	0tu02988	0tu02989	0tu02990	0tu02991
##	CSI002	1.362194e-05	1.362194e-05	0	0	0	0
##	CSI013	0.000000e+00	3.195807e-05	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	0.000000e+00	1.894908e-05	0	0	0	0
##	CSI045	3.265093e-05	0.000000e+00	0	0	0	0
##	CSI056	1.959286e-05	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu02992	0tu02993	0tu02994	0tu02995	0tu02996	0tu02997
##	CSI002	0.000000e+00	0	0	0	0	2.724387e-05
##	CSI013	0.000000e+00	0	0	0	0	3.195807e-05
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	0.000000e+00	0	0	0	0	5.684725e-05
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu02998	0tu02999	0tu03000	0tu03001	0tu03002	0tu03003

##	CSI002	0	0	2.724387e-05	0.000000e+00	0	0
##	CSI013	0	0	6.391614e-05	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	5.684725e-05	0.000000e+00	0	0
##	CSI045	0	0	0.000000e+00	3.265093e-05	0	0
##	CSI056	0	0	0.000000e+00	1.959286e-05	0	0
##	CSI066	0	0	0.000000e+00	3.833694e-05	0	0
##		0tu03004	0tu03005	0tu03006	0tu03007	0tu03008	0tu03009
##	CSI002	0	0	2.724387e-05	0.000000e+00	0.000000e+00	0
##	CSI013	0	0	9.587421e-05	3.195807e-05	0.000000e+00	0
##	CSI023	0	0	0.000000e+00	2.041025e-05	0.000000e+00	0
##	CSI034	0	0	1.136945e-04	1.894908e-05	0.000000e+00	0
##	CSI045	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0
##	CSI056	0	0	0.000000e+00	0.000000e+00	0.000000e+00	0
##	CSI066	0	0	0.000000e+00	0.000000e+00	1.916847e-05	0
##		0tu03010	0tu03011	0tu03012	0tu03013	0tu03014	0tu03015
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI013	6.391614e-05	0	0	0	0.000000e+00	0
##	CSI023	4.082049e-05	0	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	0	1.894908e-05	0
##	CSI045	0.000000e+00	0	0	0	6.530186e-05	0
##	CSI056	0.000000e+00	0	0	0	5.094144e-04	0
##	CSI066	0.000000e+00	0	0	0	5.750542e-05	0
##		0tu03016	0tu03017	0tu03018	0tu03019	0tu03020	0tu03021
##	CSI002	0	8.173162e-05	0	0.000000e+00	2.724387e-05	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	2.041025e-05	0
##	CSI034	0	1.894908e-05	0	0.000000e+00	1.894908e-05	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0.000000e+00	0	1.959286e-05	0.000000e+00	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##		0tu03022	0tu03023	0tu03024	0tu03025	0tu03026	0tu03027
##	CSI002	0.000000e+00	0.0000000000	0	0	0	0
##	CSI013	0.000000e+00	0.0000000000	0	0	0	0
##	CSI023	0.000000e+00	0.0000000000	0	0	0	0
##	CSI034	0.000000e+00	0.0000000000	0	0	0	0
##	CSI045	0.000000e+00	0.0000000000	0	0	0	0
##	CSI056	2.155215e-04	0.0000000000	0	0	0	0
##	CSI066	0.000000e+00	0.0000000000	0	0	0	0
##		0tu03028	0tu03029	0tu03030	0tu03031	0tu03032	0tu03033
##	CSI002	0	0	2.724387e-05	8.173162e-05	0	2.724387e-05
##	CSI013	0	0	0.000000e+00	3.195807e-05	0	0.000000e+00
##	CSI023	0	0	4.082049e-05	0.000000e+00	0	0.000000e+00
##	CSI034	0	0	0.000000e+00	7.579634e-05	0	1.894908e-05
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	3.265093e-05
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##		0tu03034	0tu03035	0tu03036	0tu03037	0tu03038	0tu03039
##	CSI002	0	6.810968e-05	0	0	0	0
##	CSI013	0	1.917484e-04	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	1.894908e-04	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0

##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu03040	0tu03041	0tu03042	0tu03043	0tu03044	
##	CSI002	0.0000000000	1.362194e-05	0.000000e+00	0.000000e+00		0
##	CSI013	0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00		0
##	CSI023	0.0000000000	0.000000e+00	0.000000e+00	0.000000e+00		0
##	CSI034	0.0000000000	3.789817e-05	0.000000e+00	0.000000e+00		0
##	CSI045	0.0000000000	0.000000e+00	1.959056e-04	0.000000e+00		0
##	CSI056	0.0003722643	1.959286e-05	0.000000e+00	0.000000e+00		0
##	CSI066	0.0000000000	0.000000e+00	0.000000e+00	1.916847e-05		0
##		0tu03045	0tu03046	0tu03047	0tu03048	0tu03049	0tu03050
##	CSI002	0.000000e+00	0	2.043291e-04	0	0	0
##	CSI013	0.000000e+00	0	3.195807e-05	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0	1.705418e-04	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu03051	0tu03052	0tu03053	0tu03054	0tu03055	0tu03056
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu03058	0tu03059	0tu03060	0tu03061	0tu03062	0tu03063
##	CSI002	0.000000e+00	0	1.362194e-05	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0.000000e+00	0	5.684725e-05	2.652872e-04	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##		0tu03064	0tu03065	0tu03066	0tu03067	0tu03068	0tu03069
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu03071	0tu03072	0tu03073	0tu03074	0tu03075	
##	CSI002	1.362194e-05	1.362194e-05	0	0.000000e+00	0	
##	CSI013	6.391614e-05	0.000000e+00	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0.000000e+00	1.894908e-05	0	0.000000e+00	0	
##	CSI045	6.530186e-05	0.000000e+00	0	6.530186e-05	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0.000000e+00	0	3.833694e-05	0	
##		0tu03076	0tu03077	0tu03078	0tu03079	0tu03080	0tu03081
##	CSI002	0.000000e+00	2.724387e-05	0	0	0	6.810968e-05
##	CSI013	0.000000e+00	2.237065e-04	0	0	0	9.587421e-05
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00
##	CSI034	0.000000e+00	1.136945e-04	0	0	0	1.894908e-04

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## CSI045 0.000000e+00 0.000000e+00 0 0 0 0.000000e+00
## CSI056 1.959286e-05 0.000000e+00 0 0 0 0.000000e+00
## CSI066 0.000000e+00 3.833694e-05 0 0 0 0.000000e+00
##      0tu03082 0tu03083      0tu03084 0tu03085 0tu03086 0tu03087
## CSI002 0.000000e+00      0 1.362194e-05      0      0      0
## CSI013 0.000000e+00      0 0.000000e+00      0      0      0
## CSI023 0.000000e+00      0 0.000000e+00      0      0      0
## CSI034 0.000000e+00      0 5.684725e-05      0      0      0
## CSI045 6.530186e-05      0 0.000000e+00      0      0      0
## CSI056 0.000000e+00      0 0.000000e+00      0      0      0
## CSI066 3.833694e-05      0 0.000000e+00      0      0      0
##      0tu03088      0tu03089 0tu03090 0tu03091      0tu03092 0tu03093
## CSI002      0 0.000000e+00      0      0 0.000000e+00      0
## CSI013      0 2.237065e-04      0      0 0.000000e+00      0
## CSI023      0 0.000000e+00      0      0 6.123074e-05      0
## CSI034      0 1.894908e-05      0      0 3.789817e-05      0
## CSI045      0 3.265093e-05      0      0 0.000000e+00      0
## CSI056      0 0.000000e+00      0      0 0.000000e+00      0
## CSI066      0 0.000000e+00      0      0 0.000000e+00      0
##      0tu03094      0tu03095 0tu03096 0tu03097 0tu03098      0tu03099
## CSI002      0 0.000000e+00      0      0      0 0.000000e+00
## CSI013      0 0.000000e+00      0      0      0 0.000000e+00
## CSI023      0 0.000000e+00      0      0      0 0.000000e+00
## CSI034      0 0.000000e+00      0      0      0 1.894908e-05
## CSI045      0 0.000000e+00      0      0      0 0.000000e+00
## CSI056      0 0.000000e+00      0      0      0 0.000000e+00
## CSI066      0 1.916847e-05      0      0      0 0.000000e+00
##      0tu03100 0tu03101      0tu03102 0tu03103      0tu03104 0tu03105
## CSI002 0.000000e+00      0 0.000000e+00      0 1.362194e-05      0
## CSI013 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI023 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI034 0.000000e+00      0 0.000000e+00      0 1.136945e-04      0
## CSI045 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI056 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI066 1.916847e-05      0 1.916847e-05      0 0.000000e+00      0
##      0tu03106 0tu03107      0tu03108      0tu03109      0tu03110 0tu03111
## CSI002      0      0 9.535356e-05 0.000000e+00 0.000000e+00      0
## CSI013      0      0 6.391614e-05 0.000000e+00 0.000000e+00      0
## CSI023      0      0 2.041025e-05 0.000000e+00 0.000000e+00      0
## CSI034      0      0 0.000000e+00 0.000000e+00 1.894908e-05      0
## CSI045      0      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI056      0      0 0.000000e+00 5.877858e-05 1.959286e-05      0
## CSI066      0      0 0.000000e+00 0.000000e+00 0.000000e+00      0
##      0tu03112 0tu03113      0tu03114 0tu03115 0tu03116 0tu03117
## CSI002 0.000000e+00      0 5.448775e-05      0      0      0
## CSI013 0.000000e+00      0 3.195807e-05      0      0      0
## CSI023 0.000000e+00      0 0.000000e+00      0      0      0
## CSI034 0.000000e+00      0 3.221344e-04      0      0      0
## CSI045 1.306037e-04      0 0.000000e+00      0      0      0
## CSI056 1.959286e-05      0 0.000000e+00      0      0      0
## CSI066 1.150108e-04      0 0.000000e+00      0      0      0
##      0tu03118      0tu03119      0tu03120      0tu03121 0tu03122
## CSI002 1.362194e-05 0.000000e+00 0.000000e+00 4.086581e-05      0
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0

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## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 2.041025e-05 0
## CSI034 1.894908e-05 0.000000e+00 5.684725e-05 1.136945e-04 0
## CSI045 9.795279e-05 3.265093e-05 3.265093e-05 0.000000e+00 0
## CSI056 0.000000e+00 3.918572e-05 3.918572e-05 0.000000e+00 0
## CSI066 0.000000e+00 9.584236e-05 5.750542e-05 0.000000e+00 0
##      0tu03123 0tu03124      0tu03125      0tu03126 0tu03127 0tu03128
## CSI002      0      0 0.000000e+00 1.362194e-05      0      0
## CSI013      0      0 0.000000e+00 0.000000e+00      0      0
## CSI023      0      0 0.000000e+00 0.000000e+00      0      0
## CSI034      0      0 0.000000e+00 1.894908e-05      0      0
## CSI045      0      0 0.000000e+00 0.000000e+00      0      0
## CSI056      0      0 0.000000e+00 1.959286e-05      0      0
## CSI066      0      0 0.000000e+00 0.000000e+00      0      0
##      0tu03129      0tu03130      0tu03131 0tu03132      0tu03133 0tu03134
## CSI002      0 0.000000e+00 4.086581e-05      0 0.000000e+00      0
## CSI013      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI023      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI034      0 0.000000e+00 3.789817e-05      0 3.789817e-05      0
## CSI045      0 3.265093e-05 0.000000e+00      0 0.000000e+00      0
## CSI056      0 0.000000e+00 0.000000e+00      0 5.877858e-05      0
## CSI066      0 1.725162e-04 0.000000e+00      0 0.000000e+00      0
##      0tu03135      0tu03136      0tu03137 0tu03138 0tu03139      0tu03140
## CSI002      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI013      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI023      0 0.000000e+00 0.000000e+00      0      0 2.041025e-05
## CSI034      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI045      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI056      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI066      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
##      0tu03141 0tu03142 0tu03143 0tu03144 0tu03145      0tu03146
## CSI002 0.000000e+00      0      0      0      0 0.000000e+00
## CSI013 0.000000e+00      0      0      0      0 3.195807e-05
## CSI023 0.000000e+00      0      0      0      0 0.000000e+00
## CSI034 0.000000e+00      0      0      0      0 0.000000e+00
## CSI045 0.000000e+00      0      0      0      0 0.000000e+00
## CSI056 0.000000e+00      0      0      0      0 0.000000e+00
## CSI066 0.000000e+00      0      0      0      0 0.000000e+00
##      0tu03147 0tu03148      0tu03149 0tu03150 0tu03151 0tu03152
## CSI002 0.000000e+00      0 0.0000000000      0      0      0
## CSI013 0.000000e+00      0 0.0000000000      0      0      0
## CSI023 0.000000e+00      0 0.0000000000      0      0      0
## CSI034 5.684725e-05      0 0.0000000000      0      0      0
## CSI045 0.000000e+00      0 0.0001632546      0      0      0
## CSI056 3.918572e-05      0 0.0000000000      0      0      0
## CSI066 0.000000e+00      0 0.0000000000      0      0      0
##      0tu03153 0tu03154 0tu03155      0tu03156 0tu03157 0tu03158
## CSI002 0.000000e+00      0      0 0.000000e+00      0      0
## CSI013 0.000000e+00      0      0 0.000000e+00      0      0
## CSI023 0.000000e+00      0      0 0.000000e+00      0      0
## CSI034 0.000000e+00      0      0 0.000000e+00      0      0
## CSI045 0.000000e+00      0      0 0.000000e+00      0      0
## CSI056 3.918572e-05      0      0 3.918572e-05      0      0
## CSI066 1.916847e-05      0      0 0.000000e+00      0      0
##      0tu03159 0tu03160 0tu03161      0tu03162      0tu03163 0tu03164

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##	CSI002	0	0	0	0.000000000	0.000000e+00	0	
##	CSI013	0	0	0	0.000000000	0.000000e+00	0	
##	CSI023	0	0	0	0.000000000	0.000000e+00	0	
##	CSI034	0	0	0	0.000000000	0.000000e+00	0	
##	CSI045	0	0	0	0.000000000	3.265093e-05	0	
##	CSI056	0	0	0	0.000000000	0.000000e+00	0	
##	CSI066	0	0	0	0.000651728	1.916847e-05	0	
##		0tu03165	0tu03166	0tu03167	0tu03168	0tu03169	0tu03170	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI066	1.916847e-05	0.000000e+00	0	0	0	0	
##		0tu03171	0tu03172	0tu03173	0tu03174	0tu03175	0tu03176	0tu03177
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	3.195807e-05	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	3.265093e-05	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu03178	0tu03179	0tu03180	0tu03181	0tu03182	0tu03183	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	1.894908e-05	0	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0	
##		0tu03184	0tu03185	0tu03186	0tu03187	0tu03188	0tu03189	0tu03190
##	CSI002	0	0	0	0	0	0.0000000000	0
##	CSI013	0	0	0	0	0	0.0000000000	0
##	CSI023	0	0	0	0	0	0.0000000000	0
##	CSI034	0	0	0	0	0	0.0000000000	0
##	CSI045	0	0	0	0	0	0.0001959056	0
##	CSI056	0	0	0	0	0	0.0000000000	0
##	CSI066	0	0	0	0	0	0.0000000000	0
##		0tu03191	0tu03192	0tu03193	0tu03194	0tu03195	0tu03196	0tu03197
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	3.918572e-05	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu03198	0tu03199	0tu03200	0tu03201	0tu03202	0tu03203	
##	CSI002	0	0.0000000000	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0.0000000000	0.000000e+00	0	3.195807e-05	0	
##	CSI023	0	0.0000000000	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0.0000000000	0.000000e+00	0	3.789817e-05	0	
##	CSI045	0	0.0000000000	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0.0000000000	0.000000e+00	0	0.000000e+00	0	


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## CSI066      0 0.0000000000 0.000000e+00      0 0.000000e+00      0
##      0tu03204 0tu03205 0tu03206      0tu03207      0tu03208 0tu03209
## CSI002      0      0      0 1.362194e-05 5.448775e-05      0
## CSI013      0      0      0 0.000000e+00 0.000000e+00      0
## CSI023      0      0      0 0.000000e+00 0.000000e+00      0
## CSI034      0      0      0 0.000000e+00 2.273890e-04      0
## CSI045      0      0      0 0.000000e+00 0.000000e+00      0
## CSI056      0      0      0 0.000000e+00 1.959286e-05      0
## CSI066      0      0      0 0.000000e+00 0.000000e+00      0
##      0tu03210      0tu03211 0tu03212      0tu03213 0tu03214 0tu03215
## CSI002 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI013 0.000000e+00 9.587421e-05      0 0.000000e+00      0      0
## CSI023 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI034 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI045 1.959056e-04 0.000000e+00      0 0.000000e+00      0      0
## CSI056 1.959286e-05 0.000000e+00      0 4.114501e-04      0      0
## CSI066 0.000000e+00 5.750542e-05      0 1.916847e-05      0      0
##      0tu03216 0tu03217 0tu03218 0tu03219      0tu03220      0tu03221
## CSI002      0      0      0      0 0.0000000000 0.000000e+00
## CSI013      0      0      0      0 0.0000000000 6.391614e-05
## CSI023      0      0      0      0 0.0000000000 0.000000e+00
## CSI034      0      0      0      0 0.0000000000 0.000000e+00
## CSI045      0      0      0      0 0.0000000000 0.000000e+00
## CSI056      0      0      0      0 0.0000000000 0.000000e+00
## CSI066      0      0      0      0 0.0000000000 0.000000e+00
##      0tu03222      0tu03223      0tu03224 0tu03225      0tu03226 0tu03227
## CSI002      0 6.810968e-05 0.0000000000      0 0.000000e+00      0
## CSI013      0 0.000000e+00 0.0000000000      0 0.000000e+00      0
## CSI023      0 0.000000e+00 0.0000000000      0 0.000000e+00      0
## CSI034      0 9.474542e-05 0.0000000000      0 0.000000e+00      0
## CSI045      0 0.000000e+00 0.001436641      0 0.000000e+00      0
## CSI056      0 0.000000e+00 0.0000000000      0 0.000000e+00      0
## CSI066      0 0.000000e+00 0.0000000000      0 5.750542e-05      0
##      0tu03228 0tu03229      0tu03230 0tu03231 0tu03232 0tu03233
## CSI002      0      0 4.086581e-05      0      0      0
## CSI013      0      0 0.000000e+00      0      0      0
## CSI023      0      0 0.000000e+00      0      0      0
## CSI034      0      0 0.000000e+00      0      0      0
## CSI045      0      0 0.000000e+00      0      0      0
## CSI056      0      0 0.000000e+00      0      0      0
## CSI066      0      0 0.000000e+00      0      0      0
##      0tu03234 0tu03235 0tu03236      0tu03237 0tu03238      0tu03239
## CSI002 0.000000e+00      0      0 0.000000e+00      0 4.086581e-05
## CSI013 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI023 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI034 0.000000e+00      0      0 0.000000e+00      0 6.632179e-04
## CSI045 3.265093e-05      0      0 0.000000e+00      0 0.000000e+00
## CSI056 0.000000e+00      0      0 1.959286e-05      0 0.000000e+00
## CSI066 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
##      0tu03240 0tu03241 0tu03242 0tu03243 0tu03244 0tu03245      0tu03246
## CSI002      0      0      0      0      0      0 0.000000e+00
## CSI013      0      0      0      0      0      0 0.000000e+00
## CSI023      0      0      0      0      0      0 0.000000e+00
## CSI034      0      0      0      0      0      0 1.894908e-05

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##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		0tu03247	0tu03248	0tu03249	0tu03250	0tu03251	0tu03252
##	CSI002	0	0	0	0	0 0.000000e+00	1.362194e-05
##	CSI013	0	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI023	0	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI034	0	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI045	0	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI056	0	0	0	0	0 0.000000e+00	0.000000e+00
##	CSI066	0	0	0	0	0 0.000000e+00	0.000000e+00
##		0tu03253	0tu03254	0tu03255	0tu03256	0tu03257	0tu03258
##	CSI002	0	0	0	0	2.724387e-05	0
##	CSI013	0	0	0	0	0 0.000000e+00	0
##	CSI023	0	0	0	0	0 0.000000e+00	0
##	CSI034	0	0	0	0	1.894908e-05	0
##	CSI045	0	0	0	0	0 0.000000e+00	0
##	CSI056	0	0	0	0	0 0.000000e+00	0
##	CSI066	0	0	0	0	0 0.000000e+00	0
##		0tu03259	0tu03260	0tu03261	0tu03262	0tu03263	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0 0.000000e+00	
##	CSI034	1.894908e-05	0.000000e+00	0	0	1.894908e-05	
##	CSI045	0.000000e+00	3.265093e-05	0	0	0 0.000000e+00	
##	CSI056	0.000000e+00	0.000000e+00	0	0	1.959286e-05	
##	CSI066	5.750542e-05	0.000000e+00	0	0	0 0.000000e+00	
##		0tu03264	0tu03265	0tu03266	0tu03267	0tu03268	
##	CSI002	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0.0000000000	
##	CSI013	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0.0000000000	
##	CSI023	0.000000e+00	0.000000e+00	0	8.164098e-05	0.0000000000	
##	CSI034	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0.0000000000	
##	CSI045	0.000000e+00	6.530186e-05	0	0 0.000000e+00	0.0000000000	
##	CSI056	0.000000e+00	9.796430e-05	0	0 0.000000e+00	0.0000000000	
##	CSI066	0.000000e+00	0.000000e+00	0	5.750542e-05	0.0000000000	
##		0tu03269	0tu03270	0tu03271	0tu03272	0tu03273	0tu03274
##	CSI002	0	0	0	0	0 0.000000e+00	0.0001089755
##	CSI013	0	0	0	0	0 0.000000e+00	0.0000000000
##	CSI023	0	0	0	0	0 0.000000e+00	0.0000000000
##	CSI034	0	0	0	0	0 0.000000e+00	0.0000000000
##	CSI045	0	0	0	0	0 0.000000e+00	0.0000000000
##	CSI056	0	0	0	0	0 0.000000e+00	0.0000000000
##	CSI066	0	0	0	0	1.341793e-04	0.0000000000
##		0tu03275	0tu03276	0tu03277	0tu03278	0tu03279	0tu03280
##	CSI002	0 0.000000e+00	0.000000e+00	0	0	0 0.000000e+00	
##	CSI013	0 0.000000e+00	0.000000e+00	0	0	9.587421e-05	
##	CSI023	0 0.000000e+00	0.000000e+00	0	0	0 0.000000e+00	
##	CSI034	0 0.000000e+00	0.000000e+00	0	0	1.705418e-04	
##	CSI045	0 1.306037e-04	0.000000e+00	0	0	0 0.000000e+00	
##	CSI056	0 7.837144e-05	1.959286e-05	0	0	0 0.000000e+00	
##	CSI066	0 7.667389e-05	7.667389e-05	0	0	1.916847e-05	
##		0tu03281	0tu03282	0tu03283	0tu03284	0tu03285	0tu03286
##	CSI002	0 1.362194e-05	0	0	0 0.000000e+00	0	
##	CSI013	0 0.000000e+00	0	0	0 0.000000e+00	0	

##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0	7.579634e-05	0	0	1.894908e-05	0
##	CSI045	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	0
##		0tu03287	0tu03288	0tu03289	0tu03290	0tu03291	0tu03292
##	CSI002	2.724387e-05	0.000000e+00	0.000000e+00	0	0	0
##	CSI013	6.391614e-05	0.000000e+00	0.000000e+00	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	1.894908e-05	0.000000e+00	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	7.837144e-05	0	0	0
##	CSI066	0.000000e+00	5.750542e-05	0.000000e+00	0	0	0
##		0tu03293	0tu03294	0tu03295	0tu03296	0tu03297	0tu03298
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu03300	0tu03301	0tu03302	0tu03303	0tu03304	0tu03305
##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI013	0	3.195807e-05	0	0.000000e+00	0	0.000000e+00
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI034	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI045	0	0.000000e+00	0	6.530186e-05	0	0.000000e+00
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI066	0	0.000000e+00	0	3.833694e-05	0	0.000000e+00
##		0tu03306	0tu03307	0tu03308	0tu03309	0tu03310	0tu03311
##	CSI002	0	0	0	5.448775e-05	0	0.000000e+00
##	CSI013	0	0	0	2.237065e-04	0	0.000000e+00
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI034	0	0	0	2.273890e-04	0	0.000000e+00
##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI056	0	0	0	0.000000e+00	0	3.918572e-05
##	CSI066	0	0	0	0.000000e+00	0	0.000000e+00
##		0tu03312	0tu03313	0tu03314	0tu03315	0tu03316	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI013	0.000000e+00	3.195807e-05	0	0	0.000000e+00	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI034	0.000000e+00	1.894908e-05	0	0	0.000000e+00	
##	CSI045	3.265093e-05	0.000000e+00	0	0	1.632546e-04	
##	CSI056	1.959286e-05	0.000000e+00	0	0	5.877858e-05	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##		0tu03317	0tu03318	0tu03319	0tu03320	0tu03321	
##	CSI002	0.000000e+00	1.362194e-05	0	0.000000e+00	0.000000e+00	
##	CSI013	0.000000e+00	3.195807e-05	0	1.917484e-04	6.391614e-05	
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI034	3.789817e-05	1.894908e-05	0	1.515927e-04	0.000000e+00	
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI056	3.918572e-05	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI066	1.916847e-05	0.000000e+00	0	0.000000e+00	0.000000e+00	
##		0tu03322	0tu03323	0tu03324	0tu03325	0tu03326	0tu03327
##							0tu03328

##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu03329	0tu03330	0tu03331	0tu03332	0tu03333	0tu03334
##	CSI002	0	0	0.000000e+00	0	0.0000000000	2.451949e-04
##	CSI013	0	0	0.000000e+00	0	0.0000000000	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0.0000000000	0.000000e+00
##	CSI034	0	0	0.000000e+00	0	0.0000000000	0.000000e+00
##	CSI045	0	0	1.632546e-04	0	0.0000000000	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0.0000000000	5.877858e-05
##	CSI066	0	0	0.000000e+00	0	0.0000000000	0.000000e+00
##		0tu03335	0tu03336	0tu03337	0tu03338	0tu03339	0tu03340
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu03342	0tu03343	0tu03344	0tu03345	0tu03346	0tu03347
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	2.612074e-04	0
##	CSI056	0	0	0	0	1.959286e-05	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu03349	0tu03350	0tu03351	0tu03352	0tu03353	0tu03354
##	CSI002	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	6.391614e-05	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	3.789817e-05	0
##	CSI045	0.000000e+00	0	3.265093e-05	0	0.000000e+00	0
##	CSI056	1.959286e-05	0	5.877858e-05	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	1.916847e-05	0	0.000000e+00	0
##		0tu03355	0tu03356	0tu03357	0tu03358	0tu03359	0tu03360
##	CSI002	0	2.724387e-05	0	1.362194e-05	0	0
##	CSI013	0	0.000000e+00	0	3.195807e-05	0	0
##	CSI023	0	2.041025e-05	0	2.041025e-05	0	0
##	CSI034	0	9.474542e-05	0	5.684725e-05	0	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0
##		0tu03361	0tu03362	0tu03363	0tu03364	0tu03365	0tu03366
##	CSI002	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI045	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	1.959286e-05	0	0	0.000000e+00	0.000000e+00	0

##	CSI066	0.000000e+00	0	0	1.916847e-05	9.584236e-05	0	
##		0tu03367	0tu03368	0tu03369	0tu03370	0tu03371		
##	CSI002	0	0.000000e+00	1.362194e-05	0.000000e+00	0.0000000000		
##	CSI013	0	0.000000e+00	9.587421e-05	1.597904e-04	0.0000000000		
##	CSI023	0	0.000000e+00	2.041025e-05	0.000000e+00	0.0000000000		
##	CSI034	0	0.000000e+00	0.000000e+00	3.789817e-05	0.0000000000		
##	CSI045	0	0.000000e+00	0.000000e+00	0.000000e+00	0.0000000000		
##	CSI056	0	1.959286e-05	0.000000e+00	1.959286e-05	0.0000000000		
##	CSI066	0	1.916847e-05	0.000000e+00	0.000000e+00	0.0000000000		
##		0tu03372	0tu03373	0tu03374	0tu03375	0tu03376	0tu03377	
##	CSI002	0	0	0	2.724387e-05	4.086581e-05	0	
##	CSI013	0	0	0	6.391614e-05	0.000000e+00	0	
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI034	0	0	0	0.000000e+00	2.273890e-04	0	
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0	
##		0tu03378	0tu03379	0tu03380	0tu03381	0tu03382		
##	CSI002	0	0.000000e+00	0.000000e+00	1.362194e-05	0.000000e+00		
##	CSI013	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI023	0	2.041025e-05	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI034	0	0.000000e+00	2.463381e-04	0.000000e+00	0.000000e+00		
##	CSI045	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI056	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI066	0	0.000000e+00	0.000000e+00	3.833694e-05	5.750542e-05		
##		0tu03383	0tu03384	0tu03385	0tu03386	0tu03387	0tu03388	
##	CSI002	0	2.724387e-05	0	0	0	0	
##	CSI013	0	0.000000e+00	0	0	0	0	
##	CSI023	0	0.000000e+00	0	0	0	0	
##	CSI034	0	0.000000e+00	0	0	0	0	
##	CSI045	0	0.000000e+00	0	0	0	0	
##	CSI056	0	0.000000e+00	0	0	0	0	
##	CSI066	0	0.000000e+00	0	0	0	0	
##		0tu03389	0tu03390	0tu03391	0tu03392	0tu03393	0tu03394	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI045	6.530186e-05	0	0	0	0.000000e+00	0	
##	CSI056	1.175572e-04	0	0	0	0.000000e+00	0	
##	CSI066	3.833694e-05	0	0	0	7.667389e-05	0	
##		0tu03395	0tu03396	0tu03397	0tu03398	0tu03399	0tu03400	
##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI034	0	0	0.000000e+00	0	0	1.894908e-05	
##	CSI045	0	0	0.000000e+00	0	0	5.877167e-04	
##	CSI056	0	0	1.959286e-05	0	0	0.000000e+00	
##	CSI066	0	0	0.000000e+00	0	0	1.916847e-05	
##		0tu03401	0tu03402	0tu03403	0tu03404	0tu03405	0tu03406	0tu03407
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu03408	Otu03409	Otu03410	Otu03411	Otu03412		
##	CSI002	0.000000e+00	0	0.000000e+00	1.362194e-05	0.0000000000		
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0.0000000000		
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0.0000000000		
##	CSI034	1.894908e-05	0	1.894908e-05	9.474542e-05	0.0000000000		
##	CSI045	6.530186e-05	0	0.000000e+00	0.000000e+00	0.0000000000		
##	CSI056	0.000000e+00	0	0.000000e+00	1.959286e-05	0.0000000000		
##	CSI066	0.000000e+00	0	0.000000e+00	0.000000e+00	0.0000000000		
##		Otu03413	Otu03414	Otu03415	Otu03416	Otu03417	Otu03418	
##	CSI002	0	0	5.448775e-05	0	0.0000000000	0	
##	CSI013	0	0	0.000000e+00	0	0.0000000000	0	
##	CSI023	0	0	0.000000e+00	0	0.0000000000	0	
##	CSI034	0	0	7.579634e-05	0	0.0000000000	0	
##	CSI045	0	0	0.000000e+00	0	0.0000000000	0	
##	CSI056	0	0	0.000000e+00	0	0.0001567429	0	
##	CSI066	0	0	0.000000e+00	0	0.0000000000	0	
##		Otu03419	Otu03420	Otu03421	Otu03422	Otu03423	Otu03424	Otu03425
##	CSI002	0	0	0	0	0	9.535356e-05	0
##	CSI013	0	0	0	0	0	3.195807e-05	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		Otu03426	Otu03427	Otu03428	Otu03429	Otu03430	Otu03431	Otu03432
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu03433	Otu03434	Otu03435	Otu03436	Otu03437	Otu03438	
##	CSI002	0	0	0	0.000000e+00	1.362194e-05	1.362194e-05	
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	6.391614e-05	
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0	0.000000e+00	6.530186e-05	0.000000e+00	
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0	7.667389e-05	1.341793e-04	0.000000e+00	
##		Otu03439	Otu03440	Otu03441	Otu03442	Otu03443	Otu03444	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	0.000000e+00	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	0.000000e+00	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	3.722643e-04	0	0	0	0	0	
##	CSI066	0.000000e+00	0	0	0	0	0	
##		Otu03445	Otu03446	Otu03447	Otu03448	Otu03449		
##	CSI002	1.362194e-05	0	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI013	2.237065e-04	0	0.000000e+00	0.000000e+00	6.391614e-05		

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## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 1.326436e-04      0 0.000000e+00 0.000000e+00 3.789817e-05
## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI066 0.000000e+00      0 1.916847e-05 9.584236e-05 0.000000e+00
##      0tu03450 0tu03451 0tu03452      0tu03453 0tu03454      0tu03455
## CSI002 0.000000e+00      0      0 6.810968e-05      0 2.724387e-05
## CSI013 0.000000e+00      0      0 3.195807e-05      0 6.391614e-05
## CSI023 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI034 0.000000e+00      0      0 7.579634e-05      0 0.000000e+00
## CSI045 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI056 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI066 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
##      0tu03456 0tu03457 0tu03458 0tu03459 0tu03460      0tu03461
## CSI002 0.000000e+00      0      0      0      0 0.000000e+00
## CSI013 0.000000e+00      0      0      0      0 0.000000e+00
## CSI023 0.000000e+00      0      0      0      0 0.000000e+00
## CSI034 0.000000e+00      0      0      0      0 0.000000e+00
## CSI045 3.265093e-05      0      0      0      0 0.000000e+00
## CSI056 0.000000e+00      0      0      0      0 0.000000e+00
## CSI066 0.000000e+00      0      0      0      0 0.000000e+00
##      0tu03462      0tu03463 0tu03464 0tu03465      0tu03466 0tu03467
## CSI002 0.000000e+00 0.00000000000      0      0 0.00000000000      0
## CSI013 6.391614e-05 0.00000000000      0      0 0.00000000000      0
## CSI023 0.000000e+00 0.00000000000      0      0 0.00000000000      0
## CSI034 1.326436e-04 0.00000000000      0      0 0.00000000000      0
## CSI045 0.000000e+00 0.00000000000      0      0 0.0006530186      0
## CSI056 0.000000e+00 0.00000000000      0      0 0.00000000000      0
## CSI066 0.000000e+00 0.0008625812      0      0 0.00000000000      0
##      0tu03468 0tu03469 0tu03470      0tu03471      0tu03472 0tu03473
## CSI002      0      0      0 0.000000e+00 4.086581e-05      0
## CSI013      0      0      0 6.391614e-05 3.195807e-05      0
## CSI023      0      0      0 4.082049e-05 0.000000e+00      0
## CSI034      0      0      0 0.000000e+00 1.894908e-05      0
## CSI045      0      0      0 0.000000e+00 0.000000e+00      0
## CSI056      0      0      0 0.000000e+00 0.000000e+00      0
## CSI066      0      0      0 0.000000e+00 0.000000e+00      0
##      0tu03474 0tu03475      0tu03476      0tu03477 0tu03478 0tu03479
## CSI002 2.724387e-05      0 0.000000e+00 0.000000e+00      0      0
## CSI013 3.195807e-05      0 0.000000e+00 0.000000e+00      0      0
## CSI023 0.000000e+00      0 0.000000e+00 8.164098e-05      0      0
## CSI034 9.474542e-05      0 3.789817e-05 1.515927e-04      0      0
## CSI045 0.000000e+00      0 6.530186e-05 0.000000e+00      0      0
## CSI056 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI066 0.000000e+00      0 1.916847e-05 0.000000e+00      0      0
##      0tu03480      0tu03481 0tu03482 0tu03483 0tu03484 0tu03485 0tu03486
## CSI002      0 0.000000e+00      0      0      0      0      0
## CSI013      0 0.000000e+00      0      0      0      0      0
## CSI023      0 0.000000e+00      0      0      0      0      0
## CSI034      0 5.684725e-05      0      0      0      0      0
## CSI045      0 0.000000e+00      0      0      0      0      0
## CSI056      0 0.000000e+00      0      0      0      0      0
## CSI066      0 0.000000e+00      0      0      0      0      0
##      0tu03487      0tu03488 0tu03489 0tu03490 0tu03491 0tu03492

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##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	1.632546e-04	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	1.916847e-05	0	0	0	0
##		0tu03493	0tu03494	0tu03495	0tu03496	0tu03497	0tu03498
##	CSI002	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	3.195807e-05	0
##	CSI023	2.041025e-05	2.041025e-05	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	1.916847e-05	0
##		0tu03499	0tu03500	0tu03501	0tu03502	0tu03503	0tu03504
##	CSI002	4.086581e-05	0	0.000000e+00	0	6.810968e-05	0
##	CSI013	3.195807e-05	0	3.195807e-05	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	2.273890e-04	0	0.000000e+00	0	5.684725e-05	0
##	CSI045	3.265093e-05	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##		0tu03505	0tu03506	0tu03507	0tu03508	0tu03509	0tu03510
##	CSI002	0.000000e+00	0	0	1.362194e-05	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	6.391614e-05	0	0.000000e+00
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI034	0.000000e+00	0	0	3.789817e-05	0	7.579634e-05
##	CSI045	0.000000e+00	0	0	3.265093e-05	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI066	3.833694e-05	0	0	0.000000e+00	0	0.000000e+00
##		0tu03511	0tu03512	0tu03513	0tu03514	0tu03515	0tu03516
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0.0000000000
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0.0004474130
##	CSI023	4.082049e-05	0	0	0.000000e+00	0	0.0000000000
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0.0000000000
##	CSI045	1.306037e-04	0	0	0.000000e+00	0	0.0000000000
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0.0000000000
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0.0000000000
##		0tu03517	0tu03518	0tu03519	0tu03520	0tu03521	0tu03522
##	CSI002	0	4.086581e-05	5.448775e-05	0	0	0.000000e+00
##	CSI013	0	0.000000e+00	3.195807e-05	0	0	0.000000e+00
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	4.082049e-05
##	CSI034	0	0.000000e+00	5.684725e-05	0	0	0.000000e+00
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	1.175572e-04	3.918572e-05	0	0	1.959286e-05
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##		0tu03523	0tu03524	0tu03525	0tu03526	0tu03527	0tu03528
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	3.918572e-05	0	0	0	0

##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu03529	0tu03530	0tu03531	0tu03532	0tu03533	0tu03534
##	CSI002	0.000000e+00	0.0000000000	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0.0000000000	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0.0000000000	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0.0000000000	0	5.684725e-05	0	0
##	CSI045	0.000000e+00	0.0000000000	0	0.000000e+00	0	0
##	CSI056	7.837144e-05	0.0000000000	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	0.0000000000	0	0.000000e+00	0	0
##		0tu03535	0tu03536	0tu03537	0tu03538	0tu03539	0tu03540
##	CSI002	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0	6.391614e-05
##	CSI023	2.041025e-05	0	0	0	0	0.000000e+00
##	CSI034	7.579634e-05	0	0	0	0	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu03541	0tu03542	0tu03543	0tu03544	0tu03545	0tu03546
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu03548	0tu03549	0tu03550	0tu03551	0tu03552	0tu03553
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI013	0	0.000000e+00	1.597904e-04	0	0	0
##	CSI023	0	0.000000e+00	2.041025e-05	0	0	0
##	CSI034	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI045	0	2.285565e-04	0.000000e+00	0	0	0
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0	3.833694e-05	1.916847e-05	0	0	0
##		0tu03554	0tu03555	0tu03556	0tu03557	0tu03558	0tu03559
##	CSI002	0	0.000000e+00	0.000000e+00	4.086581e-05	0	0
##	CSI013	0	3.195807e-05	3.195807e-05	6.391614e-05	0	0
##	CSI023	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	3.789817e-05	1.894908e-05	7.579634e-05	0	0
##	CSI045	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI056	0	0.000000e+00	3.918572e-05	0.000000e+00	0	0
##	CSI066	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##		0tu03560	0tu03561	0tu03562	0tu03563	0tu03564	
##	CSI002	0	0	0.000000e+00	0.0000000000	1.362194e-05	
##	CSI013	0	0	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI034	0	0	7.579634e-05	0.0005116253	1.136945e-04	
##	CSI045	0	0	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI056	0	0	0.000000e+00	0.0000000000	0.000000e+00	
##	CSI066	0	0	0.000000e+00	0.0000000000	0.000000e+00	
##		0tu03565	0tu03566	0tu03567	0tu03568	0tu03569	0tu03570
##	CSI002	2.724387e-05	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	6.123074e-05	0	0	0	0
##	CSI034	1.326436e-04	5.684725e-05	0	0	0	0

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## CSI045 0.000000e+00 4.244621e-04      0      0      0      0
## CSI056 0.000000e+00 0.000000e+00      0      0      0      0
## CSI066 0.000000e+00 0.000000e+00      0      0      0      0
##      0tu03571 0tu03572 0tu03573 0tu03574      0tu03575 0tu03576
## CSI002 0.000000e+00      0      0      0 0.000000e+00      0
## CSI013 0.000000e+00      0      0      0 0.000000e+00      0
## CSI023 0.000000e+00      0      0      0 0.000000e+00      0
## CSI034 0.000000e+00      0      0      0 0.000000e+00      0
## CSI045 0.000000e+00      0      0      0 1.306037e-04      0
## CSI056 1.959286e-05      0      0      0 0.000000e+00      0
## CSI066 1.916847e-05      0      0      0 0.000000e+00      0
##      0tu03577      0tu03578 0tu03579      0tu03580 0tu03581 0tu03582
## CSI002 0.000000e+00 0.000000e+00 0.0000000 2.724387e-05      0      0
## CSI013 0.000000e+00 0.000000e+00 0.0000000 0.000000e+00      0      0
## CSI023 0.000000e+00 0.000000e+00 0.0000000 0.000000e+00      0      0
## CSI034 0.000000e+00 0.000000e+00 0.0000000 0.000000e+00      0      0
## CSI045 0.000000e+00 0.000000e+00 0.0000000 0.000000e+00      0      0
## CSI056 5.877858e-05 0.000000e+00 0.0000000 0.000000e+00      0      0
## CSI066 0.000000e+00 1.916847e-05 0.0000000 3.833694e-05      0      0
##      0tu03583 0tu03584      0tu03585      0tu03586 0tu03587 0tu03588
## CSI002      0      0 0.000000e+00 1.362194e-05      0      0
## CSI013      0      0 0.000000e+00 0.000000e+00      0      0
## CSI023      0      0 0.000000e+00 0.000000e+00      0      0
## CSI034      0      0 0.000000e+00 0.000000e+00      0      0
## CSI045      0      0 6.530186e-05 0.000000e+00      0      0
## CSI056      0      0 5.877858e-05 0.000000e+00      0      0
## CSI066      0      0 0.000000e+00 0.000000e+00      0      0
##      0tu03589      0tu03590 0tu03591      0tu03592      0tu03593 0tu03594
## CSI002      0 1.362194e-05      0 0.000000e+00 2.724387e-05      0
## CSI013      0 0.000000e+00      0 1.917484e-04 0.000000e+00      0
## CSI023      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI034      0 0.000000e+00      0 3.789817e-05 1.515927e-04      0
## CSI045      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI056      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI066      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
##      0tu03595      0tu03596      0tu03597 0tu03598 0tu03599      0tu03600
## CSI002      0 0.000000e+00 0.000000e+00      0      0 8.173162e-05
## CSI013      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI023      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI034      0 0.000000e+00 0.000000e+00      0      0 3.789817e-05
## CSI045      0 3.265093e-05 0.000000e+00      0      0 0.000000e+00
## CSI056      0 5.877858e-05 0.000000e+00      0      0 1.959286e-05
## CSI066      0 0.000000e+00 1.916847e-05      0      0 0.000000e+00
##      0tu03601 0tu03602 0tu03603      0tu03604 0tu03605      0tu03606
## CSI002 6.810968e-05      0      0 1.362194e-05      0 0.0000000000
## CSI013 0.000000e+00      0      0 9.587421e-05      0 0.0000000000
## CSI023 0.000000e+00      0      0 4.082049e-05      0 0.0000000000
## CSI034 1.326436e-04      0      0 1.515927e-04      0 0.0000000000
## CSI045 0.000000e+00      0      0 0.000000e+00      0 0.0000000000
## CSI056 0.000000e+00      0      0 0.000000e+00      0 0.0001175572
## CSI066 0.000000e+00      0      0 0.000000e+00      0 0.0000000000
##      0tu03607 0tu03608      0tu03609      0tu03610 0tu03611 0tu03612
## CSI002      0      0 0.000000e+00 0.0000000000      0      0
## CSI013      0      0 0.000000e+00 0.0000000000      0      0

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##	CSI023	0	0	0.000000e+00	0.0000000000	0	0
##	CSI034	0	0	0.000000e+00	0.0000000000	0	0
##	CSI045	0	0	0.000000e+00	0.0000000000	0	0
##	CSI056	0	0	5.877858e-05	0.0000000000	0	0
##	CSI066	0	0	0.000000e+00	0.0000000000	0	0
##	0tu03613	0tu03614	0tu03615	0tu03616	0tu03617	0tu03618	
##	CSI002	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0	0.000000e+00	0	0	7.579634e-05	0
##	CSI045	0	0.000000e+00	0	0	3.265093e-05	0
##	CSI056	0	0.000000e+00	0	0	1.959286e-05	0
##	CSI066	0	0.000000e+00	0	0	3.833694e-05	0
##	0tu03619	0tu03620	0tu03621	0tu03622	0tu03623	0tu03624	
##	CSI002	1.362194e-05	0	0	0	0.000000e+00	5.448775e-05
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	5.877858e-05	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	0tu03625	0tu03626	0tu03627	0tu03628	0tu03629	0tu03630	
##	CSI002	2.724387e-05	0	0	0	0	2.724387e-05
##	CSI013	5.113291e-04	0	0	0	0	3.195807e-05
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	1.894908e-05	0	0	0	0	7.579634e-05
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI066	1.916847e-05	0	0	0	0	0.000000e+00
##	0tu03631	0tu03632	0tu03633	0tu03634	0tu03635	0tu03636	
##	CSI002	0.000000e+00	0	2.724387e-05	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	4.082049e-05	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	1.894908e-05	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	1.175572e-04	0	0.000000e+00	0
##	CSI066	7.667389e-05	0	0.000000e+00	0	5.750542e-05	0
##	0tu03637	0tu03638	0tu03639	0tu03640	0tu03641	0tu03642	
##	CSI002	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	2.556646e-04	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##	0tu03643	0tu03644	0tu03645	0tu03646	0tu03647	0tu03648	0tu03649
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##	0tu03650	0tu03651	0tu03652	0tu03653	0tu03654	0tu03655	

##	CSI002	0	1.362194e-05	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	7.579634e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu03656	0tu03657	0tu03658	0tu03659	0tu03660	0tu03661
##	CSI002	0.000000e+00	1.362194e-05	0	2.724387e-05	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	6.391614e-05	0	0
##	CSI023	8.164098e-05	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	3.265093e-05	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	2.351143e-04	0	0
##	CSI066	3.833694e-05	0.000000e+00	0	0.000000e+00	0	0
##		0tu03662	0tu03663	0tu03664	0tu03665	0tu03666	0tu03667
##	CSI002	2.724387e-05	0	2.724387e-05	0	0.0000000000	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0.0000000000	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.0000000000	0
##	CSI034	1.894908e-05	0	1.705418e-04	0	0.0000000000	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.0000000000	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0.0000000000	0
##	CSI066	1.916847e-05	0	0.000000e+00	0	0.0003450325	0
##		0tu03668	0tu03669	0tu03670	0tu03671	0tu03672	0tu03673
##	CSI002	2.724387e-05	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	7.579634e-05	0.000000e+00	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	5.094144e-04	0	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu03674	0tu03675	0tu03676	0tu03677	0tu03678	0tu03679
##	CSI002	0.000000e+00	0	0	0	0.0005312555	0
##	CSI013	0.000000e+00	0	0	0	0.0000000000	0
##	CSI023	0.000000e+00	0	0	0	0.0000000000	0
##	CSI034	0.000000e+00	0	0	0	0.0000000000	0
##	CSI045	0.000000e+00	0	0	0	0.0000000000	0
##	CSI056	0.000000e+00	0	0	0	0.0000000000	0
##	CSI066	0.000000e+00	0	0	0	0.0000000000	0
##		0tu03680	0tu03681	0tu03682	0tu03683	0tu03684	
##	CSI002	1.089755e-04	2.724387e-05	0.000000e+00	0.000000e+00		0
##	CSI013	0.000000e+00	2.876226e-04	0.000000e+00	0.000000e+00		0
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0
##	CSI034	1.894908e-05	1.894908e-05	0.000000e+00	7.579634e-05		0
##	CSI045	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0
##	CSI056	0.000000e+00	0.000000e+00	3.918572e-05	0.000000e+00		0
##	CSI066	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0
##		0tu03685	0tu03686	0tu03687	0tu03688	0tu03689	0tu03690
##	CSI002	0.000000e+00	0	2.451949e-04	0	0	1.362194e-05
##	CSI013	3.195807e-05	0	3.195807e-05	0	0	1.917484e-04
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	1.894908e-04	0	0.000000e+00	0	0	5.684725e-05
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00

##	CSI066	0.000000e+00	0	0.000000e+00	0	0	5.750542e-05	
##		0tu03691	0tu03692	0tu03693	0tu03694	0tu03695		
##	CSI002	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI013	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI034	0.000000e+00	2.652872e-04	0	1.894908e-05	7.579634e-05		
##	CSI045	1.306037e-04	0.000000e+00	0	0.000000e+00	0.000000e+00		
##	CSI056	0.000000e+00	1.567429e-04	0	0.000000e+00	0.000000e+00		
##	CSI066	1.916847e-05	0.000000e+00	0	0.000000e+00	0.000000e+00		
##		0tu03696	0tu03697	0tu03698	0tu03699	0tu03700	0tu03701	
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI013	0	0.000000e+00	1.597904e-04	0	0	0	
##	CSI023	0	0.000000e+00	2.041025e-05	0	0	0	
##	CSI034	0	0.000000e+00	9.474542e-05	0	0	0	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0	
##		0tu03702	0tu03703	0tu03704	0tu03705	0tu03706	0tu03707	
##	CSI002	0	0	0	1.362194e-05	0.000000e+00	0	
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI034	0	0	0	1.894908e-05	1.894908e-05	0	
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI056	0	0	0	0.000000e+00	3.918572e-05	0	
##	CSI066	0	0	0	1.916847e-05	5.750542e-05	0	
##		0tu03708	0tu03709	0tu03710	0tu03711	0tu03712	0tu03713	0tu03714
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu03715	0tu03716	0tu03717	0tu03718	0tu03719	0tu03720	
##	CSI002	0	0.000000e+00	0	2.724387e-05	0	0.000000e+00	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI034	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI045	0	0.000000e+00	0	6.530186e-05	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0	7.837144e-05	0	1.959286e-05	
##	CSI066	0	0.000000e+00	0	3.833694e-05	0	0.000000e+00	
##		0tu03721	0tu03722	0tu03723	0tu03724	0tu03725	0tu03726	
##	CSI002	0.000000e+00	0.0000000000	2.724387e-05	0	0	0	
##	CSI013	0.000000e+00	0.0000000000	0.000000e+00	0	0	0	
##	CSI023	0.000000e+00	0.0000000000	0.000000e+00	0	0	0	
##	CSI034	0.000000e+00	0.0000000000	0.000000e+00	0	0	0	
##	CSI045	0.000000e+00	0.0000000000	0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0.0001763357	1.959286e-05	0	0	0	
##	CSI066	0.000000e+00	0.0000000000	0.000000e+00	0	0	0	
##		0tu03727	0tu03728	0tu03729	0tu03730	0tu03731	0tu03732	0tu03733
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##	0tu03734	0tu03735	0tu03736	0tu03737	0tu03738	0tu03739	
##	CSI002	0 0.000000e+00	0.000000e+00	0	0 0.000000e+00		
##	CSI013	0 0.000000e+00	0.000000e+00	0	0 0.000000e+00		
##	CSI023	0 0.000000e+00	0.000000e+00	0	0 0.000000e+00		
##	CSI034	0 9.474542e-05	0.000000e+00	0	0 0.000000e+00		
##	CSI045	0 0.000000e+00	0.000000e+00	0	0 3.265093e-05		
##	CSI056	0 0.000000e+00	0.000000e+00	0	0 0.000000e+00		
##	CSI066	0 0.000000e+00	0.000000e+00	0	0 0.000000e+00		
##	0tu03740	0tu03741	0tu03742	0tu03743	0tu03744	0tu03745	
##	CSI002	2.724387e-05	0.000000e+00	0	0 4.086581e-05	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0 2.041025e-05	0	
##	CSI034	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0 3.265093e-05	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0	
##	CSI066	0.000000e+00	1.916847e-05	0	0 3.833694e-05	0	
##	0tu03746	0tu03747	0tu03748	0tu03749	0tu03750	0tu03751	
##	CSI002	0.000000e+00	1.089755e-04	0 0.000000e+00	0	0	
##	CSI013	0.000000e+00	6.391614e-05	0 0.000000e+00	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0 0.000000e+00	0	0	
##	CSI034	0.000000e+00	0.000000e+00	0 0.000000e+00	0	0	
##	CSI045	3.265093e-05	0.000000e+00	0 0.000000e+00	0	0	
##	CSI056	1.959286e-05	0.000000e+00	0 1.763357e-04	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0 0.000000e+00	0	0	
##	0tu03752	0tu03753	0tu03754	0tu03755	0tu03756	0tu03757	
##	CSI002	8.173162e-05	0	0 0.000000e+00	0	0	
##	CSI013	6.391614e-05	0	0 0.000000e+00	0	0	
##	CSI023	6.123074e-05	0	0 0.000000e+00	0	0	
##	CSI034	0.000000e+00	0	0 9.474542e-05	0	0	
##	CSI045	0.000000e+00	0	0 0.000000e+00	0	0	
##	CSI056	0.000000e+00	0	0 5.877858e-05	0	0	
##	CSI066	0.000000e+00	0	0 0.000000e+00	0	0	
##	0tu03758	0tu03759	0tu03760	0tu03761	0tu03762	0tu03763	
##	CSI002	0	0	0 5.448775e-05	0.000000e+00	0	
##	CSI013	0	0	0 6.391614e-05	0.000000e+00	0	
##	CSI023	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI034	0	0	0 1.326436e-04	0.000000e+00	0	
##	CSI045	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI056	0	0	0 0.000000e+00	0.000000e+00	0	
##	CSI066	0	0	0 0.000000e+00	0.000000e+00	0	
##	0tu03764	0tu03765	0tu03766	0tu03767	0tu03768	0tu03769	0tu03770
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##	0tu03771	0tu03772	0tu03773	0tu03774	0tu03775	0tu03776	
##	CSI002	1.362194e-05	0.000000e+00	2.724387e-05	0	0	0
##	CSI013	6.391614e-05	0.000000e+00	2.237065e-04	0	0	0

##	CSI023	2.041025e-05	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0.000000e+00	1.326436e-04	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	3.265093e-05	0	0	0
##	CSI056	0.000000e+00	1.959286e-05	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##		0tu03777	0tu03778	0tu03779	0tu03780	0tu03781	0tu03782
##	CSI002	0	4.086581e-05	0	0	0	0
##	CSI013	0	3.195807e-05	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	5.684725e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu03783	0tu03784	0tu03785	0tu03786	0tu03787	0tu03788
##	CSI002	1.362194e-05	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	0.000000e+00	5.877858e-05	0	0	0.000000e+00	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	1.916847e-05	0
##		0tu03789	0tu03790	0tu03791	0tu03792	0tu03793	
##	CSI002	0	0.000000e+00	0	0.0001225974	0.000000e+00	
##	CSI013	0	0.000000e+00	0	0.0000000000	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0.0000000000	2.041025e-05	
##	CSI034	0	0.000000e+00	0	0.0000000000	3.789817e-05	
##	CSI045	0	0.000000e+00	0	0.0000000000	0.000000e+00	
##	CSI056	0	0.000000e+00	0	0.0000000000	0.000000e+00	
##	CSI066	0	0.000000e+00	0	0.0000000000	0.000000e+00	
##		0tu03794	0tu03795	0tu03796	0tu03797	0tu03798	0tu03799
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI013	3.195807e-05	0	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0	0	9.796430e-05	0
##	CSI066	7.667389e-05	0	0	0	0.000000e+00	0
##		0tu03800	0tu03801	0tu03802	0tu03803	0tu03804	0tu03805
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI013	0.000000e+00	0	1.278323e-04	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI045	6.530186e-05	0	0.000000e+00	0	0	0
##	CSI056	9.796430e-05	0	2.351143e-04	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu03806	0tu03807	0tu03808	0tu03809	0tu03810	0tu03811
##	CSI002	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI013	0	0	0	0	1.278323e-04	0.000000e+00
##	CSI023	0	0	0	0	0.000000e+00	2.041025e-05
##	CSI034	0	0	0	0	1.894908e-05	1.894908e-05
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI066	0	0	0	0	1.533478e-04	0.000000e+00
##		0tu03812	0tu03813	0tu03814	0tu03815	0tu03816	0tu03817

##	CSI002	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI034	0	0.000000e+00	0	0	0	5.684725e-05
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI056	0	1.959286e-05	0	0	0	0.000000e+00
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00
##		0tu03818	0tu03819	0tu03820	0tu03821	0tu03822	0tu03823
##	CSI002	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0.000000e+00	3.918572e-05	0	1.959286e-05	0	0
##	CSI066	0.000000e+00	1.916847e-05	0	0.000000e+00	0	0
##		0tu03824	0tu03825	0tu03826	0tu03827	0tu03828	0tu03829
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	1.959286e-05	0	0
##	CSI066	0	0	0	0.000000e+00	0	0
##		0tu03831	0tu03832	0tu03833	0tu03834	0tu03835	0tu03836
##	CSI002	0	5.448775e-05	0	0	0	0
##	CSI013	0	3.195807e-05	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	3.789817e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu03838	0tu03839	0tu03840	0tu03841	0tu03842	0tu03843
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu03845	0tu03846	0tu03847	0tu03848	0tu03849	
##	CSI002	0.000000e+00	0	1.362194e-05	0	0.000000e+00	
##	CSI013	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI023	4.082049e-05	0	0.000000e+00	0	4.082049e-05	
##	CSI034	0.000000e+00	0	5.684725e-05	0	1.136945e-04	
##	CSI045	3.265093e-05	0	0.000000e+00	0	0.000000e+00	
##	CSI056	5.877858e-05	0	1.959286e-05	0	5.877858e-05	
##	CSI066	0.000000e+00	0	1.916847e-05	0	0.000000e+00	
##		0tu03850	0tu03851	0tu03852	0tu03853	0tu03854	
##	CSI002	1.362194e-05	0.000000e+00	0.0000000000	2.724387e-05	0	
##	CSI013	0.000000e+00	0.000000e+00	0.0000000000	2.876226e-04	0	
##	CSI023	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00	0	
##	CSI034	5.684725e-05	0.000000e+00	0.0000000000	3.789817e-05	0	
##	CSI045	0.000000e+00	0.000000e+00	0.0000000000	0.000000e+00	0	
##	CSI056	0.000000e+00	1.959286e-05	0.0000000000	0.000000e+00	0	


```

## CSI066 0.000000e+00 0.000000e+00 0.0000000000 0.000000e+00 0
##      0tu03855      0tu03856      0tu03857      0tu03858      0tu03859
## CSI002      0 4.086581e-05 0.000000e+00 2.724387e-05 0.000000e+00
## CSI013      0 0.000000e+00 6.391614e-05 0.000000e+00 0.000000e+00
## CSI023      0 0.000000e+00 0.000000e+00 0.000000e+00 2.041025e-05
## CSI034      0 9.474542e-05 5.684725e-05 0.000000e+00 1.894908e-05
## CSI045      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI056      0 0.000000e+00 0.000000e+00 1.959286e-05 1.959286e-05
## CSI066      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu03860 0tu03861 0tu03862 0tu03863      0tu03864 0tu03865
## CSI002      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0 0.000000e+00      0
## CSI023      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0 3.789817e-05      0
## CSI045      0      0      0      0 0.000000e+00      0
## CSI056      0      0      0      0 0.000000e+00      0
## CSI066      0      0      0      0 0.000000e+00      0
##      0tu03866 0tu03867 0tu03868      0tu03869      0tu03870 0tu03871
## CSI002 2.724387e-05      0      0 0.000000e+00 2.724387e-05      0
## CSI013 0.000000e+00      0      0 3.195807e-05 0.000000e+00      0
## CSI023 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI034 0.000000e+00      0      0 1.894908e-05 0.000000e+00      0
## CSI045 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
## CSI056 3.918572e-05      0      0 0.000000e+00 0.000000e+00      0
## CSI066 0.000000e+00      0      0 0.000000e+00 0.000000e+00      0
##      0tu03872 0tu03873 0tu03874 0tu03875 0tu03876      0tu03877
## CSI002 0.000000e+00      0      0      0      0 2.724387e-05
## CSI013 0.000000e+00      0      0      0      0 0.000000e+00
## CSI023 0.000000e+00      0      0      0      0 0.000000e+00
## CSI034 1.894908e-05      0      0      0      0 1.136945e-04
## CSI045 0.000000e+00      0      0      0      0 0.000000e+00
## CSI056 0.000000e+00      0      0      0      0 0.000000e+00
## CSI066 0.000000e+00      0      0      0      0 0.000000e+00
##      0tu03878 0tu03879 0tu03880 0tu03881 0tu03882      0tu03883
## CSI002 2.724387e-05      0      0      0      0 1.225974e-04
## CSI013 3.195807e-04      0      0      0      0 0.000000e+00
## CSI023 2.041025e-05      0      0      0      0 0.000000e+00
## CSI034 1.894908e-05      0      0      0      0 3.789817e-05
## CSI045 0.000000e+00      0      0      0      0 0.000000e+00
## CSI056 0.000000e+00      0      0      0      0 0.000000e+00
## CSI066 0.000000e+00      0      0      0      0 5.750542e-05
##      0tu03884 0tu03885 0tu03886      0tu03887      0tu03888 0tu03889
## CSI002      0      0      0 0.000000e+00 0.000000e+00      0
## CSI013      0      0      0 0.000000e+00 0.000000e+00      0
## CSI023      0      0      0 0.000000e+00 0.000000e+00      0
## CSI034      0      0      0 0.000000e+00 0.000000e+00      0
## CSI045      0      0      0 0.000000e+00 0.000000e+00      0
## CSI056      0      0      0 1.959286e-05 1.175572e-04      0
## CSI066      0      0      0 0.000000e+00 0.000000e+00      0
##      0tu03890 0tu03891 0tu03892 0tu03893      0tu03894      0tu03895
## CSI002 1.362194e-05      0      0      0 0.000000e+00 0.0000000000
## CSI013 0.000000e+00      0      0      0 0.000000e+00 0.0000000000
## CSI023 0.000000e+00      0      0      0 0.000000e+00 0.0000000000
## CSI034 1.136945e-04      0      0      0 0.000000e+00 0.0000000000

```

##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0.0000000000
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0.0001959286
##	CSI066	3.833694e-05	0	0	0	1.916847e-05	0.0000000000
##		0tu03896	0tu03897	0tu03898	0tu03899	0tu03900	0tu03901
##	CSI002	0	0.0000000000	4.086581e-05	0	0	0
##	CSI013	0	0.0000000000	6.391614e-05	0	0	0
##	CSI023	0	0.0000000000	0.000000e+00	0	0	0
##	CSI034	0	0.0000000000	1.894908e-05	0	0	0
##	CSI045	0	0.0002612074	0.000000e+00	0	0	0
##	CSI056	0	0.0000000000	1.959286e-05	0	0	0
##	CSI066	0	0.0000000000	0.000000e+00	0	0	0
##		0tu03902	0tu03903	0tu03904	0tu03905	0tu03906	0tu03907
##	CSI002	0	0	0.000000e+00	0	0.0000000000	0
##	CSI013	0	0	0.000000e+00	0	0.0001278323	0
##	CSI023	0	0	0.000000e+00	0	0.0000000000	0
##	CSI034	0	0	0.000000e+00	0	0.0000000000	0
##	CSI045	0	0	0.000000e+00	0	0.0000000000	0
##	CSI056	0	0	0.000000e+00	0	0.0000000000	0
##	CSI066	0	0	0.000000e+00	0	0.0000000000	0
##		0tu03908	0tu03909	0tu03910	0tu03911	0tu03912	0tu03913
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu03915	0tu03916	0tu03917	0tu03918	0tu03919	0tu03920
##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	0.000000e+00	7.579634e-05	0	0
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0	0	5.877858e-05	0.000000e+00	0	0
##	CSI066	0	0	3.833694e-05	0.000000e+00	0	0
##		0tu03921	0tu03922	0tu03923	0tu03924	0tu03925	
##	CSI002	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI013	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0.000000e+00	4.082049e-05	0	0.000000e+00	
##	CSI034	0	0.000000e+00	1.894908e-05	0	3.789817e-05	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI056	0	1.959286e-05	0.000000e+00	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##		0tu03926	0tu03927	0tu03928	0tu03929	0tu03930	0tu03931
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI045	0.000000e+00	0	0	3.265093e-05	0	0
##	CSI056	0.000000e+00	0	0	1.959286e-05	0	0
##	CSI066	5.750542e-05	0	0	0.000000e+00	0	0
##		0tu03932	0tu03933	0tu03934	0tu03935	0tu03936	0tu03937
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0

##	CSI023	0	0	0	0 0.000000e+00	0	0
##	CSI034	0	0	0	0 1.894908e-05	0	0
##	CSI045	0	0	0	0 0.000000e+00	0	0
##	CSI056	0	0	0	0 0.000000e+00	0	0
##	CSI066	0	0	0	0 3.833694e-05	0	0
##		0tu03939	0tu03940	0tu03941	0tu03942	0tu03943	0tu03944
##	CSI002	0.0000000000	0	0	0 0.000000e+00	4.086581e-05	
##	CSI013	0.0009907002	0	0	0 0.000000e+00	0.000000e+00	
##	CSI023	0.0000000000	0	0	0 0.000000e+00	0.000000e+00	
##	CSI034	0.0000000000	0	0	0 3.789817e-05	0.000000e+00	
##	CSI045	0.0000000000	0	0	0 0.000000e+00	0.000000e+00	
##	CSI056	0.0000000000	0	0	0 0.000000e+00	1.959286e-05	
##	CSI066	0.0000000000	0	0	0 7.667389e-05	0.000000e+00	
##		0tu03945	0tu03946	0tu03947	0tu03948	0tu03949	0tu03950
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu03951	0tu03952	0tu03953	0tu03954	0tu03955	0tu03956
##	CSI002	0.000000e+00	0 0.000000e+00		0	0	0
##	CSI013	0.000000e+00	0 0.000000e+00		0	0	0
##	CSI023	0.000000e+00	0 0.000000e+00		0	0	0
##	CSI034	0.000000e+00	0 0.000000e+00		0	0	0
##	CSI045	0.000000e+00	0 0.000000e+00		0	0	0
##	CSI056	0.000000e+00	0 3.918572e-05		0	0	0
##	CSI066	0.000000e+00	0 0.000000e+00		0	0	0
##		0tu03957	0tu03958	0tu03959	0tu03960	0tu03961	0tu03962
##	CSI002	0.000000e+00	1.362194e-05	0	0	0	0
##	CSI013	0.000000e+00	6.391614e-05	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	1.959286e-05	0	0	0	0
##	CSI066	1.916847e-05	3.833694e-05	0	0	0	0
##		0tu03963	0tu03964	0tu03965	0tu03966	0tu03967	0tu03968
##	CSI002	0 0.000000e+00		0 2.724387e-05		0 0.000000e+00	
##	CSI013	0 0.000000e+00		0 0.000000e+00		0 0.000000e+00	
##	CSI023	0 0.000000e+00		0 0.000000e+00		0 0.000000e+00	
##	CSI034	0 0.000000e+00		0 0.000000e+00		0 0.000000e+00	
##	CSI045	0 0.000000e+00		0 0.000000e+00		0 0.000000e+00	
##	CSI056	0 1.959286e-05		0 0.000000e+00		0 0.000000e+00	
##	CSI066	0 1.916847e-05		0 0.000000e+00		0 0.000000e+00	
##		0tu03969	0tu03970	0tu03971	0tu03972	0tu03973	0tu03974
##	CSI002	1.362194e-05	0 0.0004495239		0	0 0.000000e+00	
##	CSI013	6.391614e-05	0 0.0000000000		0	0 0.000000e+00	
##	CSI023	0.000000e+00	0 0.0000000000		0	0 0.000000e+00	
##	CSI034	0.000000e+00	0 0.0000000000		0	0 0.000000e+00	
##	CSI045	0.000000e+00	0 0.0000000000		0	0 0.000000e+00	
##	CSI056	0.000000e+00	0 0.0000000000		0	0 0.000000e+00	
##	CSI066	0.000000e+00	0 0.0000000000		0	0 0.000000e+00	
##		0tu03975	0tu03976	0tu03977	0tu03978	0tu03979	0tu03980

##	CSI002	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI034	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI066	0	0.000000e+00	0	0	0	5.750542e-05
##		0tu03981	0tu03982	0tu03983	0tu03984	0tu03985	0tu03986
##	CSI002	0	0	0	0	1.362194e-05	0.0000000000
##	CSI013	0	0	0	0	3.195807e-05	0.0006711195
##	CSI023	0	0	0	0	0.000000e+00	0.0000000000
##	CSI034	0	0	0	0	9.474542e-05	0.0000000000
##	CSI045	0	0	0	0	0.000000e+00	0.0000000000
##	CSI056	0	0	0	0	0.000000e+00	0.0000000000
##	CSI066	0	0	0	0	0.000000e+00	0.0000000000
##		0tu03987	0tu03988	0tu03989	0tu03990	0tu03991	0tu03992
##	CSI002	1.362194e-05	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu03994	0tu03995	0tu03996	0tu03997	0tu03998	0tu03999
##	CSI002	0	0	0	0.0000000000	0	0
##	CSI013	0	0	0	0.0003834969	0	0
##	CSI023	0	0	0	0.0000000000	0	0
##	CSI034	0	0	0	0.0000000000	0	0
##	CSI045	0	0	0	0.0000000000	0	0
##	CSI056	0	0	0	0.0000000000	0	0
##	CSI066	0	0	0	0.0000000000	0	0
##		0tu04001	0tu04002	0tu04003	0tu04004	0tu04005	0tu04006
##	CSI002	2.724387e-05	0	0	0	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	1.326436e-04	0	0	0	0	3.789817e-05
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu04007	0tu04008	0tu04009	0tu04010	0tu04011	0tu04012
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	1.894908e-05	0	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	1.916847e-05	0	0	0
##		0tu04013	0tu04014	0tu04015	0tu04016	0tu04017	0tu04018
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	7.579634e-05	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0

##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu04019	0tu04020	0tu04021	0tu04022	0tu04023	0tu04024
##	CSI002	1.362194e-05	0.000000e+00	0	9.535356e-05	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	5.684725e-05	1.894908e-05	0	0.000000e+00	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	3.918572e-05	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##		0tu04025	0tu04026	0tu04027	0tu04028	0tu04029	0tu04030
##	CSI002	0	0	0	0.0000000000	0	0
##	CSI013	0	0	0	0.0000000000	0	0
##	CSI023	0	0	0	0.0000000000	0	0
##	CSI034	0	0	0	0.0001136945	0	0
##	CSI045	0	0	0	0.0000000000	0	0
##	CSI056	0	0	0	0.0000000000	0	0
##	CSI066	0	0	0	0.0000000000	0	0
##		0tu04032	0tu04033	0tu04034	0tu04035	0tu04036	0tu04037
##	CSI002	0	0	0	0	0.0000000000	0
##	CSI013	0	0	0	0	0.0002237065	0
##	CSI023	0	0	0	0	0.0000000000	0
##	CSI034	0	0	0	0	0.0000000000	0
##	CSI045	0	0	0	0	0.0000000000	0
##	CSI056	0	0	0	0	0.0000000000	0
##	CSI066	0	0	0	0	0.0000000000	0
##		0tu04039	0tu04040	0tu04041	0tu04042	0tu04043	0tu04044
##	CSI002	0	0	4.086581e-05	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	7.579634e-05	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##		0tu04046	0tu04047	0tu04048	0tu04049	0tu04050	0tu04051
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	4.082049e-05	0	0	0	0
##	CSI034	0	3.789817e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu04053	0tu04054	0tu04055	0tu04056	0tu04057	0tu04058
##	CSI002	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	2.041025e-05	0
##	CSI034	0.000000e+00	1.326436e-04	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	1.175572e-04	0.000000e+00	0	0	0.000000e+00	0
##	CSI066	1.916847e-05	0.000000e+00	0	0	0.000000e+00	0
##		0tu04059	0tu04060	0tu04061	0tu04062	0tu04063	0tu04064
##	CSI002	1.362194e-05	0.000000e+00	9.535356e-05	0	0	0
##	CSI013	3.195807e-05	0.000000e+00	9.587421e-05	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0

##	CSI045	0.000000e+00	0.000000e+00	3.265093e-05	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##		0tu04065	0tu04066	0tu04067	0tu04068	0tu04069	0tu04070	
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	5.684725e-05	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	7.837144e-05	0	3.918572e-05	0.000000e+00	
##	CSI066	0	0	0.000000e+00	0	1.341793e-04	0.000000e+00	
##		0tu04071	0tu04072	0tu04073	0tu04074	0tu04075	0tu04076	
##	CSI002	0	0.0000000000	0	0	4.086581e-05	0	
##	CSI013	0	0.0000000000	0	0	0.000000e+00	0	
##	CSI023	0	0.0000000000	0	0	6.123074e-05	0	
##	CSI034	0	0.0001894908	0	0	0.000000e+00	0	
##	CSI045	0	0.0000000000	0	0	0.000000e+00	0	
##	CSI056	0	0.0000000000	0	0	0.000000e+00	0	
##	CSI066	0	0.0000000000	0	0	0.000000e+00	0	
##		0tu04077	0tu04078	0tu04079	0tu04080	0tu04081	0tu04082	0tu04083
##	CSI002	0	0	0	0	0	0	1.089755e-04
##	CSI013	0	0	0	0	0	0	3.195807e-05
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	3.789817e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu04084	0tu04085	0tu04086	0tu04087	0tu04088	0tu04089	
##	CSI002	0	0.000000e+00	0	0	0	1.362194e-05	
##	CSI013	0	0.000000e+00	0	0	0	6.391614e-05	
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0	0.000000e+00	0	0	0	3.789817e-05	
##	CSI045	0	3.265093e-05	0	0	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI066	0	5.750542e-05	0	0	0	0.000000e+00	
##		0tu04090	0tu04091	0tu04092	0tu04093	0tu04094	0tu04095	0tu04096
##	CSI002	0	0	1.362194e-05	0	0	0	0
##	CSI013	0	0	3.195807e-05	0	0	0	0
##	CSI023	0	0	2.041025e-05	0	0	0	0
##	CSI034	0	0	1.894908e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	1.916847e-05	0	0	0	0
##		0tu04097	0tu04098	0tu04099	0tu04100	0tu04101	0tu04102	
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI023	0	0	0.000000e+00	0	2.041025e-05	0	
##	CSI034	0	0	0.000000e+00	0	5.684725e-05	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI066	0	0	3.833694e-05	0	0.000000e+00	0	
##		0tu04103	0tu04104	0tu04105	0tu04106	0tu04107	0tu04108	
##	CSI002	0	1.362194e-05	0	0	0	0.000000e+00	
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00	

##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI034	0	9.474542e-05	0	0	0	0.000000e+00
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI066	0	0.000000e+00	0	0	0	5.750542e-05
##	Otu04109	Otu04110	Otu04111	Otu04112	Otu04113	Otu04114	
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI013	0	3.195807e-05	0.000000e+00	0	0	0.000000e+00
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	1.515927e-04	0.000000e+00	0	0	0.000000e+00
##	CSI045	0	3.265093e-05	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0.000000e+00	2.351143e-04	0	0	0.000000e+00
##	CSI066	0	0.000000e+00	9.584236e-05	0	0	0.000000e+00
##	Otu04115	Otu04116	Otu04117	Otu04118	Otu04119	Otu04120	
##	CSI002	0	0.000000e+00	1.362194e-05	0	0	0
##	CSI013	0	0.000000e+00	9.587421e-05	0	0	0
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI045	0	3.265093e-05	0.000000e+00	0	0	0
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0
##	Otu04121	Otu04122	Otu04123	Otu04124	Otu04125	Otu04126	
##	CSI002	0.0000000000	0	0.000000e+00	0	0	0.000000e+00
##	CSI013	0.0000000000	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0.0000000000	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0.0005305743	0	5.684725e-05	0	0	0.000000e+00
##	CSI045	0.0000000000	0	3.265093e-05	0	0	0.000000e+00
##	CSI056	0.0000000000	0	0.000000e+00	0	0	0.000000e+00
##	CSI066	0.0000000000	0	0.000000e+00	0	0	1.916847e-05
##	Otu04127	Otu04128	Otu04129	Otu04130	Otu04131	Otu04132	
##	CSI002	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##	CSI013	3.195807e-05	0	0	0.0000000000	0	0.000000e+00
##	CSI023	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##	CSI034	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##	CSI045	0.000000e+00	0	0	0.0002612074	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0.0000000000	0	1.959286e-05
##	CSI066	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##	Otu04133	Otu04134	Otu04135	Otu04136	Otu04137	Otu04138	
##	CSI002	0	0	1.362194e-05	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	1.959286e-05	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##	Otu04139	Otu04140	Otu04141	Otu04142	Otu04143		
##	CSI002	0.000000e+00	1.362194e-05	0	0.000000e+00	0.000000e+00	
##	CSI013	0.000000e+00	0.000000e+00	0	3.195807e-05	1.917484e-04	
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI034	0.000000e+00	3.789817e-05	0	1.515927e-04	0.000000e+00	
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	1.959286e-05	
##	CSI066	1.916847e-05	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	Otu04144	Otu04145	Otu04146	Otu04147	Otu04148	Otu04149	

##	CSI002	0	0	0 0.000000e+00	0	0
##	CSI013	0	0	0 3.195807e-05	0	0
##	CSI023	0	0	0 0.000000e+00	0	0
##	CSI034	0	0	0 0.000000e+00	0	0
##	CSI045	0	0	0 0.000000e+00	0	0
##	CSI056	0	0	0 0.000000e+00	0	0
##	CSI066	0	0	0 0.000000e+00	0	0
##		0tu04150	0tu04151	0tu04152	0tu04153	0tu04154 0tu04155
##	CSI002	0.000000e+00	0	0 0.000000e+00	5.448775e-05	0
##	CSI013	3.195807e-05	0	0 0.000000e+00	0.000000e+00	0
##	CSI023	0.000000e+00	0	0 0.000000e+00	0.000000e+00	0
##	CSI034	1.326436e-04	0	0 0.000000e+00	1.894908e-04	0
##	CSI045	0.000000e+00	0	0 0.000000e+00	0.000000e+00	0
##	CSI056	0.000000e+00	0	0 1.959286e-05	0.000000e+00	0
##	CSI066	0.000000e+00	0	0 0.000000e+00	1.916847e-05	0
##		0tu04156	0tu04157	0tu04158	0tu04159	0tu04160 0tu04161
##	CSI002	2.724387e-05	0	0.000000e+00	0	0 0
##	CSI013	1.278323e-04	0	0.000000e+00	0	0 0
##	CSI023	2.041025e-05	0	0.000000e+00	0	0 0
##	CSI034	9.474542e-05	0	0.000000e+00	0	0 0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0 0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0 0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0 0
##		0tu04162	0tu04163	0tu04164	0tu04165	0tu04166 0tu04167
##	CSI002	0.000000e+00	0	0 1.362194e-05	0	0 0
##	CSI013	6.391614e-05	0	0 3.195807e-05	0	0 0
##	CSI023	0.000000e+00	0	0 0.000000e+00	0	0 0
##	CSI034	0.000000e+00	0	0 0.000000e+00	0	0 0
##	CSI045	0.000000e+00	0	0 0.000000e+00	0	0 0
##	CSI056	0.000000e+00	0	0 0.000000e+00	0	0 0
##	CSI066	0.000000e+00	0	0 0.000000e+00	0	0 0
##		0tu04168	0tu04169	0tu04170	0tu04171	0tu04172 0tu04173
##	CSI002	0 0.000000e+00	0	0 0.000000e+00	0	0
##	CSI013	0 0.000000e+00	0	0 0.000000e+00	0	0
##	CSI023	0 0.000000e+00	0	0 0.000000e+00	0	0
##	CSI034	0 0.000000e+00	0	0 0.000000e+00	0	0
##	CSI045	0 0.000000e+00	0	0 3.265093e-05	0	0
##	CSI056	0 0.000000e+00	0	0 1.959286e-05	0	0
##	CSI066	0 0.000000e+00	0	0 3.833694e-05	0	0
##		0tu04174	0tu04175	0tu04176	0tu04177	0tu04178 0tu04179 0tu04180
##	CSI002	1.362194e-05	0	0	0	0 0 0
##	CSI013	6.391614e-05	0	0	0	0 0 0
##	CSI023	0.000000e+00	0	0	0	0 0 0
##	CSI034	1.326436e-04	0	0	0	0 0 0
##	CSI045	0.000000e+00	0	0	0	0 0 0
##	CSI056	0.000000e+00	0	0	0	0 0 0
##	CSI066	0.000000e+00	0	0	0	0 0 0
##		0tu04181	0tu04182	0tu04183	0tu04184	0tu04185 0tu04186 0tu04187
##	CSI002	0	0 0.000000e+00	0	0	0 0 0
##	CSI013	0	0 0.000000e+00	0	0	0 0 0
##	CSI023	0	0 0.000000e+00	0	0	0 0 0
##	CSI034	0	0 0.000000e+00	0	0	0 0 0
##	CSI045	0	0 0.000000e+00	0	0	0 0 0
##	CSI056	0	0 0.000000e+00	0	0	0 0 0

##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu04188	0tu04189	0tu04190	0tu04191	0tu04192	0tu04193	0tu04194
##	CSI002	0	0	0 0.000000e+00	0	0	0	0
##	CSI013	0	0	0 0.000000e+00	0	0	0	0
##	CSI023	0	0	0 0.000000e+00	0	0	0	0
##	CSI034	0	0	0 0.000000e+00	0	0	0	0
##	CSI045	0	0	0 0.000000e+00	0	0	0	0
##	CSI056	0	0	0 0.000000e+00	0	0	0	0
##	CSI066	0	0	0 0.000000e+00	0	0	0	0
##		0tu04195	0tu04196	0tu04197	0tu04198	0tu04199	0tu04200	
##	CSI002	0	0	0 1.362194e-05	0.0000000000		0	
##	CSI013	0	0	0 0.000000e+00	0.0000000000		0	
##	CSI023	0	0	0 0.000000e+00	0.0000000000		0	
##	CSI034	0	0	0 0.000000e+00	0.0001136945		0	
##	CSI045	0	0	0 6.530186e-05	0.0000000000		0	
##	CSI056	0	0	0 1.959286e-05	0.0000000000		0	
##	CSI066	0	0	0 5.750542e-05	0.0000000000		0	
##		0tu04201	0tu04202	0tu04203	0tu04204	0tu04205	0tu04206	
##	CSI002	0	0	0 0.000000e+00	0 0.000000e+00		0	
##	CSI013	0	0	0 0.000000e+00	0 0.000000e+00		0	
##	CSI023	0	0	0 0.000000e+00	0 0.000000e+00		0	
##	CSI034	0	0	0 0.000000e+00	0 0.000000e+00		0	
##	CSI045	0	0	0 9.795279e-05	0 6.530186e-05		0	
##	CSI056	0	0	0 0.000000e+00	0 0.000000e+00		0	
##	CSI066	0	0	0 0.000000e+00	0 0.000000e+00		0	
##		0tu04207	0tu04208	0tu04209	0tu04210	0tu04211		
##	CSI002	0	0.000000e+00	0	2.724387e-05	1.362194e-05		
##	CSI013	0	0.000000e+00	0	0.000000e+00	1.278323e-04		
##	CSI023	0	0.000000e+00	0	0.000000e+00	2.041025e-05		
##	CSI034	0	0.000000e+00	0	1.136945e-04	0.000000e+00		
##	CSI045	0	1.306037e-04	0	0.000000e+00	0.000000e+00		
##	CSI056	0	1.959286e-05	0	0.000000e+00	0.000000e+00		
##	CSI066	0	0.000000e+00	0	0.000000e+00	0.000000e+00		
##		0tu04212	0tu04213	0tu04214	0tu04215	0tu04216		
##	CSI002	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0	
##	CSI013	3.195807e-05	0.000000e+00	0.000000e+00	0.000000e+00		0	
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0	
##	CSI034	7.579634e-05	3.789817e-05	0.000000e+00	1.894908e-05		0	
##	CSI045	0.000000e+00	0.000000e+00	3.265093e-05	0.000000e+00		0	
##	CSI056	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0	
##	CSI066	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0	
##		0tu04217	0tu04218	0tu04219	0tu04220	0tu04221	0tu04222	0tu04223
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu04224	0tu04225	0tu04226	0tu04227	0tu04228	0tu04229	0tu04230
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0

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## CSI045      0 9.795279e-05      0      0      0      0      0
## CSI056      0 0.000000e+00      0      0      0      0      0
## CSI066      0 5.750542e-05      0      0      0      0      0
##          0tu04231 0tu04232 0tu04233      0tu04234 0tu04235      0tu04236
## CSI002 2.724387e-05      0      0 4.086581e-05      0 0.000000e+00
## CSI013 0.000000e+00      0      0 0.000000e+00      0 3.195807e-05
## CSI023 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI034 1.894908e-05      0      0 9.474542e-05      0 0.000000e+00
## CSI045 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI056 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI066 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
##          0tu04237      0tu04238      0tu04239 0tu04240      0tu04241 0tu04242
## CSI002      0 1.362194e-05 0.000000e+00      0 0.000000e+00      0
## CSI013      0 0.000000e+00 6.391614e-05      0 0.000000e+00      0
## CSI023      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI034      0 0.000000e+00 3.221344e-04      0 0.000000e+00      0
## CSI045      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI056      0 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI066      0 3.833694e-05 0.000000e+00      0 9.584236e-05      0
##          0tu04243      0tu04244 0tu04245      0tu04246      0tu04247
## CSI002 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI013 0.000000e+00 3.195807e-05      0 3.195807e-05 0.000000e+00
## CSI023 0.000000e+00 0.000000e+00      0 6.123074e-05 0.000000e+00
## CSI034 7.579634e-05 0.000000e+00      0 0.000000e+00 1.894908e-05
## CSI045 0.000000e+00 0.000000e+00      0 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00 3.918572e-05      0 0.000000e+00 0.000000e+00
## CSI066 0.000000e+00 0.000000e+00      0 0.000000e+00 1.916847e-05
##          0tu04248      0tu04249 0tu04250 0tu04251 0tu04252 0tu04253 0tu04254
## CSI002      0 1.362194e-05      0      0      0      0      0
## CSI013      0 0.000000e+00      0      0      0      0      0
## CSI023      0 0.000000e+00      0      0      0      0      0
## CSI034      0 9.474542e-05      0      0      0      0      0
## CSI045      0 0.000000e+00      0      0      0      0      0
## CSI056      0 0.000000e+00      0      0      0      0      0
## CSI066      0 0.000000e+00      0      0      0      0      0
##          0tu04255 0tu04256 0tu04257 0tu04258      0tu04259 0tu04260 0tu04261
## CSI002      0      0      0      0 0.000000e+00      0      0
## CSI013      0      0      0      0 0.000000e+00      0      0
## CSI023      0      0      0      0 0.000000e+00      0      0
## CSI034      0      0      0      0 1.894908e-05      0      0
## CSI045      0      0      0      0 0.000000e+00      0      0
## CSI056      0      0      0      0 0.000000e+00      0      0
## CSI066      0      0      0      0 0.000000e+00      0      0
##          0tu04262 0tu04263      0tu04264 0tu04265 0tu04266 0tu04267
## CSI002 1.362194e-05      0 0.000000e+00      0      0      0
## CSI013 1.278323e-04      0 0.000000e+00      0      0      0
## CSI023 0.000000e+00      0 0.000000e+00      0      0      0
## CSI034 0.000000e+00      0 1.894908e-05      0      0      0
## CSI045 0.000000e+00      0 0.000000e+00      0      0      0
## CSI056 0.000000e+00      0 0.000000e+00      0      0      0
## CSI066 9.584236e-05      0 0.000000e+00      0      0      0
##          0tu04268 0tu04269      0tu04270      0tu04271 0tu04272
## CSI002 0.000000e+00      0 0.000000e+00 0.0000000000      0
## CSI013 0.000000e+00      0 0.000000e+00 0.0000000000      0

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## CSI023 0.000000e+00      0 0.000000e+00 0.0000000000      0
## CSI034 0.000000e+00      0 0.000000e+00 0.0000000000      0
## CSI045 0.000000e+00      0 0.000000e+00 0.0000000000      0
## CSI056 5.877858e-05      0 9.796430e-05 0.0000000000      0
## CSI066 0.000000e+00      0 3.833694e-05 0.0000000000      0
##      0tu04273      0tu04274      0tu04275 0tu04276 0tu04277 0tu04278
## CSI002 0.000000e+00 4.086581e-05 0.000000e+00      0      0      0
## CSI013 3.195807e-05 3.195807e-05 0.000000e+00      0      0      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI034 7.579634e-05 7.579634e-05 0.000000e+00      0      0      0
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI066 0.000000e+00 0.000000e+00 1.916847e-05      0      0      0
##      0tu04279 0tu04280 0tu04281 0tu04282 0tu04283 0tu04284      0tu04285
## CSI002      0      0      0      0      0      0 0.000000e+00
## CSI013      0      0      0      0      0      0 0.000000e+00
## CSI023      0      0      0      0      0      0 0.000000e+00
## CSI034      0      0      0      0      0      0 0.000000e+00
## CSI045      0      0      0      0      0      0 0.000000e+00
## CSI056      0      0      0      0      0      0 3.918572e-05
## CSI066      0      0      0      0      0      0 0.000000e+00
##      0tu04286      0tu04287 0tu04288      0tu04289 0tu04290 0tu04291
## CSI002      0 0.000000e+00      0 0.000000e+00      0      0
## CSI013      0 0.000000e+00      0 3.195807e-05      0      0
## CSI023      0 0.000000e+00      0 0.000000e+00      0      0
## CSI034      0 0.000000e+00      0 0.000000e+00      0      0
## CSI045      0 0.000000e+00      0 0.000000e+00      0      0
## CSI056      0 1.959286e-05      0 0.000000e+00      0      0
## CSI066      0 5.750542e-05      0 0.000000e+00      0      0
##      0tu04292      0tu04293      0tu04294 0tu04295 0tu04296 0tu04297
## CSI002      0 0.000000e+00 0.000000e+00      0      0      0
## CSI013      0 0.000000e+00 3.195807e-05      0      0      0
## CSI023      0 0.000000e+00 0.000000e+00      0      0      0
## CSI034      0 3.789817e-05 0.000000e+00      0      0      0
## CSI045      0 0.000000e+00 0.000000e+00      0      0      0
## CSI056      0 1.371500e-04 0.000000e+00      0      0      0
## CSI066      0 0.000000e+00 0.000000e+00      0      0      0
##      0tu04298      0tu04299 0tu04300 0tu04301 0tu04302      0tu04303
## CSI002      0 0.000000e+00      0      0      0 5.448775e-05
## CSI013      0 0.000000e+00      0      0      0 0.000000e+00
## CSI023      0 0.000000e+00      0      0      0 0.000000e+00
## CSI034      0 3.789817e-05      0      0      0 1.894908e-05
## CSI045      0 0.000000e+00      0      0      0 0.000000e+00
## CSI056      0 0.000000e+00      0      0      0 0.000000e+00
## CSI066      0 0.000000e+00      0      0      0 1.916847e-05
##      0tu04304      0tu04305      0tu04306 0tu04307 0tu04308      0tu04309
## CSI002      0 0.000000e+00 0.000000e+00      0      0 1.362194e-05
## CSI013      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI023      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI034      0 5.684725e-05 0.000000e+00      0      0 0.000000e+00
## CSI045      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI056      0 0.000000e+00 1.959286e-05      0      0 1.959286e-05
## CSI066      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
##      0tu04310 0tu04311      0tu04312      0tu04313 0tu04314 0tu04315

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##	CSI002	0.000000e+00	0	0.000000e+00	1.362194e-05	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	2.041025e-05	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	2.463381e-04	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	0.000000e+00	0	1.916847e-05	0.000000e+00	0	0
##		0tu04316	0tu04317	0tu04318	0tu04319	0tu04320	0tu04321
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	3.789817e-05	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0.000000e+00	0	0
##		0tu04323	0tu04324	0tu04325	0tu04326	0tu04327	0tu04328
##	CSI002	0	0	0.000000e+00	2.724387e-05	0	0
##	CSI013	0	0	0.000000e+00	3.195807e-05	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI045	0	0	6.530186e-05	0.000000e+00	0	0
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	0	0	3.833694e-05	0.000000e+00	0	0
##		0tu04329	0tu04330	0tu04331	0tu04332	0tu04333	0tu04334
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	1.894908e-05
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu04335	0tu04336	0tu04337	0tu04338	0tu04339	
##	CSI002	0.000000e+00	0	0.0000000000	0	2.724387e-05	
##	CSI013	0.000000e+00	0	0.0000000000	0	3.195807e-05	
##	CSI023	0.000000e+00	0	0.0000000000	0	0.000000e+00	
##	CSI034	0.000000e+00	0	0.0000000000	0	1.326436e-04	
##	CSI045	0.000000e+00	0	0.0000000000	0	0.000000e+00	
##	CSI056	0.000000e+00	0	0.0000000000	0	0.000000e+00	
##	CSI066	0.000000e+00	0	0.0000000000	0	0.000000e+00	
##		0tu04340	0tu04341	0tu04342	0tu04343	0tu04344	0tu04345
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	3.918572e-05	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu04347	0tu04348	0tu04349	0tu04350	0tu04351	0tu04352
##	CSI002	0	0.000000e+00	0	0.000000e+00	0.0000000000	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0.0000000000	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0.0000000000	0
##	CSI034	0	1.894908e-05	0	0.000000e+00	0.0001515927	0
##	CSI045	0	0.000000e+00	0	3.265093e-05	0.0000000000	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0.0000000000	0

##	CSI066	0	0.000000e+00	0	3.833694e-05	0.0000000000	0
##		0tu04353	0tu04354	0tu04355	0tu04356	0tu04357	0tu04358
##	CSI002	0	1.362194e-05	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	3.789817e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu04360	0tu04361	0tu04362	0tu04363	0tu04364	0tu04365
##	CSI002	0	1.907071e-04	0	0	0	0
##	CSI013	0	9.587421e-05	0	0	0	0
##	CSI023	0	2.041025e-05	0	0	0	0
##	CSI034	0	3.789817e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu04366	0tu04367	0tu04368	0tu04369	0tu04370	0tu04371
##	CSI002	0.000000e+00	1.362194e-05	0	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	7.579634e-05	1.705418e-04	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	1.371500e-04	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu04372	0tu04373	0tu04374	0tu04375	0tu04376	0tu04377
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	3.918572e-05
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu04379	0tu04380	0tu04381	0tu04382	0tu04383	0tu04384
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	1.959286e-05
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu04385	0tu04386	0tu04387	0tu04388	0tu04389	
##	CSI002	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI013	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI034	7.579634e-05	0.000000e+00	0	5.684725e-05	0.000000e+00	
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI066	0.000000e+00	0.000000e+00	0	1.916847e-05	0.000000e+00	
##		0tu04390	0tu04391	0tu04392	0tu04393	0tu04394	0tu04395
##	CSI002	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI034	0	1.894908e-05	0	0.000000e+00	0.000000e+00	0

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## CSI045      0 0.000000e+00      0 3.265093e-05 0.000000e+00      0
## CSI056      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI066      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
##      0tu04396 0tu04397 0tu04398 0tu04399 0tu04400 0tu04401
## CSI002 0.000000e+00      0      0      0      0      0
## CSI013 6.391614e-05      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0
##      0tu04402 0tu04403      0tu04404 0tu04405 0tu04406      0tu04407
## CSI002 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI013 0.000000e+00      0 2.556646e-04      0      0 3.195807e-05
## CSI023 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI034 1.894908e-05      0 7.579634e-05      0      0 7.579634e-05
## CSI045 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI056 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI066 1.916847e-05      0 0.000000e+00      0      0 0.000000e+00
##      0tu04408      0tu04409 0tu04410      0tu04411 0tu04412 0tu04413
## CSI002      0 1.362194e-05      0 0.000000e+00      0      0
## CSI013      0 6.391614e-05      0 1.917484e-04      0      0
## CSI023      0 0.000000e+00      0 0.000000e+00      0      0
## CSI034      0 1.894908e-05      0 3.789817e-05      0      0
## CSI045      0 0.000000e+00      0 0.000000e+00      0      0
## CSI056      0 0.000000e+00      0 1.959286e-05      0      0
## CSI066      0 0.000000e+00      0 0.000000e+00      0      0
##      0tu04414 0tu04415      0tu04416      0tu04417 0tu04418 0tu04419
## CSI002      0      0 1.362194e-05 2.724387e-05      0      0
## CSI013      0      0 0.000000e+00 3.195807e-05      0      0
## CSI023      0      0 0.000000e+00 0.000000e+00      0      0
## CSI034      0      0 0.000000e+00 7.579634e-05      0      0
## CSI045      0      0 0.000000e+00 0.000000e+00      0      0
## CSI056      0      0 0.000000e+00 0.000000e+00      0      0
## CSI066      0      0 0.000000e+00 0.000000e+00      0      0
##      0tu04420 0tu04421 0tu04422 0tu04423 0tu04424      0tu04425 0tu04426
## CSI002      0      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0      0 0.000000e+00      0
## CSI023      0      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0      0 0.000000e+00      0
## CSI045      0      0      0      0      0 0.000000e+00      0
## CSI056      0      0      0      0      0 0.000000e+00      0
## CSI066      0      0      0      0      0 0.000000e+00      0
##      0tu04427 0tu04428      0tu04429      0tu04430 0tu04431 0tu04432
## CSI002 0.000000e+00      0 4.086581e-05 0.000000e+00      0      0
## CSI013 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI034 0.000000e+00      0 3.789817e-04 1.894908e-05      0      0
## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI056 9.796430e-05      0 0.000000e+00 0.000000e+00      0      0
## CSI066 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
##      0tu04433 0tu04434      0tu04435 0tu04436      0tu04437 0tu04438
## CSI002      0      0 0.000000e+00      0 0.000000e+00      0
## CSI013      0      0 6.391614e-05      0 0.000000e+00      0

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##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	0	0	7.579634e-05	0	0.000000e+00	0
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0
##		0tu04439	0tu04440	0tu04441	0tu04442	0tu04443	0tu04444
##	CSI002	0.000000e+00	0	0	1.362194e-05	0	0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI045	0.000000e+00	0	0	6.530186e-05	0	0
##	CSI056	2.351143e-04	0	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu04445	0tu04446	0tu04447	0tu04448	0tu04449	0tu04450
##	CSI002	1.362194e-05	0	0	0	0.0001089755	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0.0000000000	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0.0000000000	0.000000e+00
##	CSI034	3.789817e-04	0	0	0	0.0001705418	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0.0000000000	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0.0000000000	1.959286e-05
##	CSI066	0.000000e+00	0	0	0	0.0000000000	0.000000e+00
##		0tu04451	0tu04452	0tu04453	0tu04454	0tu04455	0tu04456
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	3.265093e-05
##	CSI056	0	0	0	0	0	7.837144e-05
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu04458	0tu04459	0tu04460	0tu04461	0tu04462	0tu04463
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	3.195807e-05
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	2.041025e-05
##	CSI034	0	1.894908e-04	0.000000e+00	0	0	0.000000e+00
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##		0tu04464	0tu04465	0tu04466	0tu04467	0tu04468	
##	CSI002	0	1.362194e-05	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI013	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI023	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI034	0	0.000000e+00	1.894908e-05	0.000000e+00	0.000000e+00	
##	CSI045	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI056	0	0.000000e+00	0.000000e+00	5.877858e-05	0.000000e+00	
##	CSI066	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu04469	0tu04470	0tu04471	0tu04472	0tu04473	0tu04474
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI013	0	0	0	0.000000e+00	3.195807e-05	0
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI034	0	0	0	3.789817e-05	0.000000e+00	0
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu04475	0tu04476	0tu04477	0tu04478	0tu04479	0tu04480
##							0tu04481

##	CSI002	0	0	1.362194e-05	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	2.041025e-05	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu04482	0tu04483	0tu04484	0tu04485	0tu04486	0tu04487	0tu04488
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	2.041025e-05	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu04489	0tu04490	0tu04491	0tu04492	0tu04493	0tu04494	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI045	3.265093e-05	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	7.837144e-05	3.918572e-05	0	0	0	0.000000e+00	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##		0tu04495	0tu04496	0tu04497	0tu04498	0tu04499	0tu04500	0tu04501
##	CSI002	0	0	0	0	0.0000000000	0	0
##	CSI013	0	0	0	0	0.0000000000	0	0
##	CSI023	0	0	0	0	0.0000000000	0	0
##	CSI034	0	0	0	0	0.0002842363	0	0
##	CSI045	0	0	0	0	0.0000000000	0	0
##	CSI056	0	0	0	0	0.0000000000	0	0
##	CSI066	0	0	0	0	0.0000000000	0	0
##		0tu04502	0tu04503	0tu04504	0tu04505	0tu04506	0tu04507	0tu04508
##	CSI002	0	0	0.0000000000	0	0	0	0
##	CSI013	0	0	0.0000000000	0	0	0	0
##	CSI023	0	0	0.0000000000	0	0	0	0
##	CSI034	0	0	0.0001705418	0	0	0	0
##	CSI045	0	0	0.0000000000	0	0	0	0
##	CSI056	0	0	0.0000000000	0	0	0	0
##	CSI066	0	0	0.0000000000	0	0	0	0
##		0tu04509	0tu04510	0tu04511	0tu04512	0tu04513	0tu04514	0tu04515
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	2.041025e-05	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu04516	0tu04517	0tu04518	0tu04519	0tu04520	0tu04521	
##	CSI002	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI013	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI023	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI034	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI045	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI056	0	0	0	0.0001175572	0	1.959286e-05	

##	CSI066	0	0	0	0.0000000000	0	3.833694e-05
##		0tu04522	0tu04523	0tu04524	0tu04525	0tu04526	0tu04527 0tu04528
##	CSI002	0	0	0	0.000000e+00	0	0 0
##	CSI013	0	0	0	0.000000e+00	0	0 0
##	CSI023	0	0	0	0.000000e+00	0	0 0
##	CSI034	0	0	0	0.000000e+00	0	0 0
##	CSI045	0	0	0	6.530186e-05	0	0 0
##	CSI056	0	0	0	3.918572e-05	0	0 0
##	CSI066	0	0	0	0.000000e+00	0	0 0
##		0tu04529	0tu04530	0tu04531	0tu04532	0tu04533	0tu04534
##	CSI002	0	0	4.086581e-05	0	0	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	0	5.684725e-05	0	0	0.000000e+00
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0	1.959286e-05
##	CSI066	0	0	0.000000e+00	0	0	1.916847e-05
##		0tu04535	0tu04536	0tu04537	0tu04538	0tu04539	0tu04540
##	CSI002	0	0	0	0.000000e+00	4.086581e-05	2.724387e-05
##	CSI013	0	0	0	0.000000e+00	3.195807e-05	0.000000e+00
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##		0tu04541	0tu04542	0tu04543	0tu04544	0tu04545	0tu04546
##	CSI002	0	0	0	0	0.000000e+00	1.362194e-05
##	CSI013	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI034	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00
##		0tu04547	0tu04548	0tu04549	0tu04550	0tu04551	0tu04552
##	CSI002	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI034	0	0.000000e+00	0	0	0	1.894908e-05
##	CSI045	0	9.795279e-05	0	0	0	0.000000e+00
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00
##		0tu04553	0tu04554	0tu04555	0tu04556	0tu04557	0tu04558
##	CSI002	0	5.448775e-05	0	0.000000e+00	0	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0	1.894908e-05	0	0.000000e+00	0	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	0.000000e+00	0	7.837144e-05	0	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0
##		0tu04559	0tu04560	0tu04561	0tu04562	0tu04563	0tu04564
##	CSI002	0	0	0.000000e+00	0	4.086581e-05	1.362194e-05
##	CSI013	0	0	0.000000e+00	0	3.195807e-05	3.195807e-05
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI034	0	0	0.000000e+00	0	1.894908e-05	9.474542e-05

##	CSI045	0	0	3.265093e-05	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	7.837144e-05	0	0.000000e+00	1.959286e-05	
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##		0tu04565	0tu04566	0tu04567	0tu04568	0tu04569	0tu04570	0tu04571
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu04572	0tu04573	0tu04574	0tu04575	0tu04576	0tu04577	0tu04578
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu04579	0tu04580	0tu04581	0tu04582	0tu04583	0tu04584	
##	CSI002	0	0	0.0000000000	0	0	0.000000e+00	
##	CSI013	0	0	0.0000000000	0	0	0.000000e+00	
##	CSI023	0	0	0.0000000000	0	0	0.000000e+00	
##	CSI034	0	0	0.0000000000	0	0	3.789817e-05	
##	CSI045	0	0	0.0000000000	0	0	0.000000e+00	
##	CSI056	0	0	0.0001175572	0	0	0.000000e+00	
##	CSI066	0	0	0.0000000000	0	0	0.000000e+00	
##		0tu04585	0tu04586	0tu04587	0tu04588	0tu04589	0tu04590	
##	CSI002	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0	0.000000e+00	0	0	0	1.894908e-05	
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00	
##		0tu04591	0tu04592	0tu04593	0tu04594	0tu04595	0tu04596	
##	CSI002	0.000000e+00	0	0.000000e+00	0	6.810968e-05	0	
##	CSI013	6.391614e-05	0	0.000000e+00	0	9.587421e-05	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	1.894908e-05	0	0.000000e+00	0	3.789817e-05	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	5.877858e-05	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##		0tu04597	0tu04598	0tu04599	0tu04600	0tu04601	0tu04602	
##	CSI002	0	0	0	0	0.000000e+00	0	
##	CSI013	0	0	0	0	0.000000e+00	0	
##	CSI023	0	0	0	0	8.164098e-05	0	
##	CSI034	0	0	0	0	5.684725e-05	0	
##	CSI045	0	0	0	0	0.000000e+00	0	
##	CSI056	0	0	0	0	0.000000e+00	0	
##	CSI066	0	0	0	0	0.000000e+00	0	
##		0tu04603	0tu04604	0tu04605	0tu04606	0tu04607	0tu04608	
##	CSI002	2.724387e-05	0	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0	

##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	1.894908e-05	0	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0	
##		0tu04609	0tu04610	0tu04611	0tu04612	0tu04613	0tu04614	0tu04615
##	CSI002	0	0	0	0	0	0	1.362194e-05
##	CSI013	0	0	0	0	0	0	6.391614e-05
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	3.789817e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu04616	0tu04617	0tu04618	0tu04619	0tu04620	0tu04621	
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI013	0	1.597904e-04	0.000000e+00	0	0	0	
##	CSI023	0	0.000000e+00	6.123074e-05	0	0	0	
##	CSI034	0	1.894908e-05	3.789817e-05	0	0	0	
##	CSI045	0	0.000000e+00	3.265093e-05	0	0	0	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0	
##		0tu04622	0tu04623	0tu04624	0tu04625	0tu04626	0tu04627	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0	0.000000e+00	7.579634e-05	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	1.959286e-05	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0	
##		0tu04628	0tu04629	0tu04630	0tu04631	0tu04632	0tu04633	0tu04634
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	8.164098e-05	0	0	0	0
##	CSI034	0	0	7.579634e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu04635	0tu04636	0tu04637	0tu04638	0tu04639	0tu04640	
##	CSI002	0	0	0.000000e+00	1.362194e-05	0	0.000000e+00	
##	CSI013	0	0	9.587421e-05	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0	0.000000e+00	2.041025e-05	0	0.000000e+00	
##	CSI034	0	0	0.000000e+00	1.894908e-05	0	0.000000e+00	
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI056	0	0	7.837144e-05	0.000000e+00	0	0.000000e+00	
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##		0tu04641	0tu04642	0tu04643	0tu04644	0tu04645	0tu04646	
##	CSI002	0.0000000000	0.000000e+00	0	0.000000e+00	0	0	
##	CSI013	0.0000000000	0.000000e+00	0	6.391614e-05	0	0	
##	CSI023	0.0000000000	0.000000e+00	0	0.000000e+00	0	0	
##	CSI034	0.0000000000	5.684725e-05	0	0.000000e+00	0	0	
##	CSI045	0.0000000000	0.000000e+00	0	0.000000e+00	0	0	
##	CSI056	0.0000000000	0.000000e+00	0	0.000000e+00	0	0	
##	CSI066	0.0000000000	0.000000e+00	0	0.000000e+00	0	0	
##		0tu04647	0tu04648	0tu04649	0tu04650	0tu04651		

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## CSI002 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI013 6.391614e-05 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 8.164098e-05 0.000000e+00
## CSI034 1.894908e-05 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI045 0.000000e+00 0.000000e+00 3.265093e-05 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00 0.000000e+00 1.959286e-05 0.000000e+00 0.000000e+00
## CSI066 0.000000e+00 1.916847e-05 0.000000e+00 0.000000e+00 1.916847e-05
##      0tu04652 0tu04653      0tu04654 0tu04655      0tu04656 0tu04657
## CSI002 0.000000e+00      0 1.362194e-05      0 0.000000e+00      0
## CSI013 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI023 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI034 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI045 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI056 0.000000e+00      0 0.000000e+00      0 0.000000e+00      0
## CSI066 3.833694e-05      0 0.000000e+00      0 0.000000e+00      0
##      0tu04658      0tu04659 0tu04660 0tu04661 0tu04662 0tu04663 0tu04664
## CSI002      0 0.000000e+00      0      0      0      0      0
## CSI013      0 0.000000e+00      0      0      0      0      0
## CSI023      0 0.000000e+00      0      0      0      0      0
## CSI034      0 1.894908e-05      0      0      0      0      0
## CSI045      0 0.000000e+00      0      0      0      0      0
## CSI056      0 1.959286e-05      0      0      0      0      0
## CSI066      0 0.000000e+00      0      0      0      0      0
##      0tu04665 0tu04666 0tu04667 0tu04668 0tu04669 0tu04670 0tu04671
## CSI002 4.086581e-05      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 2.842363e-04      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu04672 0tu04673 0tu04674 0tu04675 0tu04676 0tu04677 0tu04678
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 3.265093e-05      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 7.667389e-05      0      0      0      0      0      0
##      0tu04679 0tu04680      0tu04681      0tu04682 0tu04683 0tu04684
## CSI002 0.0000000000      0 2.724387e-05 1.362194e-05      0      0
## CSI013 0.0000000000      0 2.237065e-04 3.195807e-05      0      0
## CSI023 0.0000000000      0 0.000000e+00 0.000000e+00      0      0
## CSI034 0.0000000000      0 7.579634e-05 5.684725e-05      0      0
## CSI045 0.0000000000      0 0.000000e+00 0.000000e+00      0      0
## CSI056 0.0000000000      0 0.000000e+00 1.959286e-05      0      0
## CSI066 0.0000000000      0 0.000000e+00 0.000000e+00      0      0
##      0tu04685      0tu04686      0tu04687 0tu04688      0tu04689
## CSI002 0.000000e+00 0.000000e+00 1.362194e-05      0 0.0000000000
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00      0 0.0000000000
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00      0 0.0000000000
## CSI034 0.000000e+00 5.684725e-05 5.684725e-05      0 0.0000000000
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00      0 0.0000000000
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00      0 0.0000000000

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## CSI066 0.000000e+00 0.000000e+00 0.000000e+00      0 0.0000000000
##      0tu04690 0tu04691 0tu04692 0tu04693 0tu04694 0tu04695 0tu04696
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu04697 0tu04698      0tu04699      0tu04700      0tu04701
## CSI002 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI013 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00      0 2.041025e-05 0.000000e+00 0.000000e+00
## CSI034 1.894908e-05      0 3.789817e-05 0.000000e+00 3.789817e-05
## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00 1.306037e-04
## CSI056 0.000000e+00      0 0.000000e+00 1.959286e-05 5.877858e-05
## CSI066 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu04702      0tu04703      0tu04704      0tu04705 0tu04706
## CSI002 0.000000e+00 0.000000e+00 1.362194e-05 0.0000000000      0
## CSI013 0.000000e+00 0.000000e+00 3.195807e-05 0.0002556646      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000      0
## CSI034 0.000000e+00 0.000000e+00 1.894908e-05 0.0000000000      0
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000      0
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00 0.0000000000      0
## CSI066 1.916847e-05 1.916847e-05 0.000000e+00 0.0000000000      0
##      0tu04707 0tu04708 0tu04709      0tu04710 0tu04711      0tu04712
## CSI002 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI013 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI023 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI034 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI045 3.265093e-05      0      0 0.000000e+00      0 6.530186e-05
## CSI056 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI066 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
##      0tu04713      0tu04714 0tu04715 0tu04716 0tu04717      0tu04718
## CSI002      0 0.000000e+00      0      0      0 0.000000e+00
## CSI013      0 3.195807e-05      0      0      0 6.391614e-05
## CSI023      0 0.000000e+00      0      0      0 0.000000e+00
## CSI034      0 0.000000e+00      0      0      0 0.000000e+00
## CSI045      0 0.000000e+00      0      0      0 0.000000e+00
## CSI056      0 0.000000e+00      0      0      0 1.175572e-04
## CSI066      0 0.000000e+00      0      0      0 0.000000e+00
##      0tu04719 0tu04720      0tu04721 0tu04722 0tu04723      0tu04724
## CSI002 0.000000e+00      0 1.362194e-05      0      0 0.000000e+00
## CSI013 0.000000e+00      0 3.195807e-05      0      0 0.000000e+00
## CSI023 0.000000e+00      0 0.000000e+00      0      0 2.041025e-05
## CSI034 0.000000e+00      0 5.684725e-05      0      0 0.000000e+00
## CSI045 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI056 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI066 7.667389e-05      0 0.000000e+00      0      0 0.000000e+00
##      0tu04725 0tu04726 0tu04727      0tu04728 0tu04729 0tu04730
## CSI002      0      0      0 0.000000e+00      0      0
## CSI013      0      0      0 0.000000e+00      0      0
## CSI023      0      0      0 0.000000e+00      0      0
## CSI034      0      0      0 9.474542e-05      0      0

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##	CSI045	0	0	0	0.000000e+00	0	0	
##	CSI056	0	0	0	0.000000e+00	0	0	
##	CSI066	0	0	0	0.000000e+00	0	0	
##		0tu04731	0tu04732	0tu04733	0tu04734	0tu04735	0tu04736	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	0.000000e+00	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	3.789817e-05	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	0.000000e+00	0	0	0	0	0	
##	CSI066	0.000000e+00	0	0	0	0	0	
##		0tu04737	0tu04738	0tu04739	0tu04740	0tu04741	0tu04742	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	1.894908e-05	0.000000e+00	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	1.959286e-05	0	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0	
##		0tu04743	0tu04744	0tu04745	0tu04746	0tu04747	0tu04748	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	5.684725e-05	0	0	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	
##		0tu04749	0tu04750	0tu04751	0tu04752	0tu04753	0tu04754	0tu04755
##	CSI002	0	0	0	0	0	8.173162e-05	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	6.530186e-05	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu04756	0tu04757	0tu04758	0tu04759	0tu04760	0tu04761	
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	1.959286e-05	0	0.000000e+00	0	
##	CSI066	0	0	0.000000e+00	0	5.750542e-05	0	
##		0tu04762	0tu04763	0tu04764	0tu04765	0tu04766	0tu04767	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	3.195807e-05	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI034	3.789817e-05	0.000000e+00	0	0	3.789817e-05	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##		0tu04768	0tu04769	0tu04770	0tu04771	0tu04772	0tu04773	
##	CSI002	0.000000e+00	0.000000e+00	0	0	4.086581e-05	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	

##	CSI023	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	3.789817e-05	0	0	5.684725e-05	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##		0tu04774	0tu04775	0tu04776	0tu04777	0tu04778	0tu04779
##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0	6.391614e-05
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	0	0.000000e+00	0	0	1.894908e-05
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI066	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu04780	0tu04781	0tu04782	0tu04783	0tu04784	0tu04785
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu04787	0tu04788	0tu04789	0tu04790	0tu04791	0tu04792
##	CSI002	0	0	0	0	0.0000000000	0
##	CSI013	0	0	0	0	0.0000000000	0
##	CSI023	0	0	0	0	0.0000000000	0
##	CSI034	0	0	0	0	0.0000000000	0
##	CSI045	0	0	0	0	0.0000000000	0
##	CSI056	0	0	0	0	0.0000000000	0
##	CSI066	0	0	0	0	0.0002300217	0
##		0tu04793	0tu04794	0tu04795	0tu04796	0tu04797	0tu04798
##	CSI002	0.0002588168	0.000000e+00	0.000000e+00	0	0	0
##	CSI013	0.0000000000	0.000000e+00	0.000000e+00	0	0	0
##	CSI023	0.0000000000	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	0.0000000000	1.894908e-05	1.894908e-05	0	0	0
##	CSI045	0.0000000000	0.000000e+00	0.000000e+00	0	0	0
##	CSI056	0.0000000000	0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0.0000000000	1.916847e-05	0.000000e+00	0	0	0
##		0tu04799	0tu04800	0tu04801	0tu04802	0tu04803	0tu04804
##	CSI002	0	0.000000e+00	2.724387e-05	0	0	0
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0
##		0tu04805	0tu04806	0tu04807	0tu04808	0tu04809	0tu04810
##	CSI002	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	3.789817e-05	0	0	0	0	1.705418e-04
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	3.918572e-05
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu04811	0tu04812	0tu04813	0tu04814	0tu04815	

```

## CSI002 1.362194e-05 0.000000e+00 4.086581e-05 1.362194e-05 2.724387e-05
## CSI013 0.000000e+00 3.195807e-05 3.195807e-05 2.556646e-04 1.278323e-04
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 1.894908e-05 1.894908e-05 3.789817e-05 0.000000e+00 1.894908e-05
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu04816      0tu04817 0tu04818 0tu04819      0tu04820 0tu04821
## CSI002 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI013 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI023 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI034 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI045 9.795279e-05 0.000000e+00      0      0 0.000000e+00      0
## CSI056 0.000000e+00 0.000000e+00      0      0 0.000000e+00      0
## CSI066 7.667389e-05 1.916847e-05      0      0 0.000000e+00      0
##      0tu04822      0tu04823      0tu04824      0tu04825 0tu04826
## CSI002      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI013      0 3.195807e-05 9.587421e-05 3.195807e-05      0
## CSI023      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI034      0 1.136945e-04 3.789817e-05 0.000000e+00      0
## CSI045      0 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI056      0 0.000000e+00 0.000000e+00 1.371500e-04      0
## CSI066      0 0.000000e+00 0.000000e+00 0.000000e+00      0
##      0tu04827      0tu04828      0tu04829      0tu04830 0tu04831
## CSI002 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI013 0.000000e+00 9.587421e-05 0.000000e+00 0.000000e+00      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI034 1.894908e-05 7.579634e-05 0.000000e+00 0.000000e+00      0
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
##      0tu04832 0tu04833 0tu04834 0tu04835      0tu04836 0tu04837 0tu04838
## CSI002      0      0      0      0 0.000000e+00      0      0
## CSI013      0      0      0      0 0.000000e+00      0      0
## CSI023      0      0      0      0 0.000000e+00      0      0
## CSI034      0      0      0      0 0.000000e+00      0      0
## CSI045      0      0      0      0 0.000000e+00      0      0
## CSI056      0      0      0      0 0.000000e+00      0      0
## CSI066      0      0      0      0 0.000000e+00      0      0
##      0tu04839 0tu04840 0tu04841 0tu04842      0tu04843      0tu04844
## CSI002      0      0      0      0 0.000000e+00 0.000000e+00
## CSI013      0      0      0      0 0.000000e+00 0.000000e+00
## CSI023      0      0      0      0 0.000000e+00 0.000000e+00
## CSI034      0      0      0      0 0.000000e+00 0.000000e+00
## CSI045      0      0      0      0 0.000000e+00 0.000000e+00
## CSI056      0      0      0      0 3.918572e-05 0.000000e+00
## CSI066      0      0      0      0 0.000000e+00 9.584236e-05
##      0tu04845 0tu04846 0tu04847 0tu04848 0tu04849      0tu04850
## CSI002      0      0      0      0      0 1.362194e-05
## CSI013      0      0      0      0      0 0.000000e+00
## CSI023      0      0      0      0      0 0.000000e+00
## CSI034      0      0      0      0      0 0.000000e+00
## CSI045      0      0      0      0      0 0.000000e+00
## CSI056      0      0      0      0      0 0.000000e+00

```


##	CSI066	0	0	0	0	0 0.000000e+00
##		0tu04851	0tu04852	0tu04853	0tu04854	0tu04855
##	CSI002	1.362194e-05	0	0.000000e+00	0	0.000000e+00
##	CSI013	0.000000e+00	0	6.391614e-05	0	0.000000e+00
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI034	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##	CSI056	0.000000e+00	0	3.918572e-05	0	1.959286e-05
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.000000e+00
##		0tu04856	0tu04857	0tu04858	0tu04859	0tu04860 0tu04861
##	CSI002	0.000000e+00	0	0	0.000000e+00	0 0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0 0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0 0
##	CSI034	0.000000e+00	0	0	0.000000e+00	0 0
##	CSI045	0.000000e+00	0	0	0.000000e+00	0 0
##	CSI056	0.000000e+00	0	0	1.959286e-05	0 0
##	CSI066	0.000000e+00	0	0	0.000000e+00	0 0
##		0tu04862	0tu04863	0tu04864	0tu04865	0tu04866 0tu04867
##	CSI002	0.000000e+00	0	0	0	0.000000e+00 0
##	CSI013	0.000000e+00	0	0	0	0.000000e+00 0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00 0
##	CSI034	0.000000e+00	0	0	0	0.000000e+00 0
##	CSI045	0.000000e+00	0	0	0	0.000000e+00 0
##	CSI056	0.000000e+00	0	0	0	0.000000e+00 0
##	CSI066	1.916847e-05	0	0	0	0.000000e+00 0
##		0tu04868	0tu04869	0tu04870	0tu04871	0tu04872 0tu04873
##	CSI002	0.0000000000	0	0.000000e+00	0	0 0
##	CSI013	0.0005432872	0	0.000000e+00	0	0 0
##	CSI023	0.0000000000	0	0.000000e+00	0	0 0
##	CSI034	0.0000000000	0	0.000000e+00	0	0 0
##	CSI045	0.0000000000	0	0.000000e+00	0	0 0
##	CSI056	0.0000000000	0	3.918572e-05	0	0 0
##	CSI066	0.0000000000	0	0.000000e+00	0	0 0
##		0tu04874	0tu04875	0tu04876	0tu04877	0tu04878 0tu04879
##	CSI002	0	1.362194e-05	0.000000e+00	0	0.000000e+00 0
##	CSI013	0	3.195807e-05	0.000000e+00	0	0.000000e+00 0
##	CSI023	0	0.000000e+00	0.000000e+00	0	0.000000e+00 0
##	CSI034	0	1.894908e-05	0.000000e+00	0	0.000000e+00 0
##	CSI045	0	0.000000e+00	0.000000e+00	0	0.000000e+00 0
##	CSI056	0	0.000000e+00	0.000000e+00	0	0.000000e+00 0
##	CSI066	0	0.000000e+00	2.300217e-04	0	0.000000e+00 0
##		0tu04880	0tu04881	0tu04882	0tu04883	0tu04884 0tu04885
##	CSI002	0.000000e+00	0	0	1.362194e-05	0 0.000000e+00
##	CSI013	0.000000e+00	0	0	0.000000e+00	0 0.000000e+00
##	CSI023	0.000000e+00	0	0	0.000000e+00	0 0.000000e+00
##	CSI034	1.894908e-05	0	0	1.894908e-05	0 0.000000e+00
##	CSI045	0.000000e+00	0	0	0.000000e+00	0 0.000000e+00
##	CSI056	0.000000e+00	0	0	0.000000e+00	0 0.000000e+00
##	CSI066	0.000000e+00	0	0	0.000000e+00	0 0.000000e+00
##		0tu04886	0tu04887	0tu04888	0tu04889	0tu04890 0tu04891
##	CSI002	0	0	0	0.000000e+00	0.000000e+00 0
##	CSI013	0	0	0	0.000000e+00	0.000000e+00 0
##	CSI023	0	0	0	0.000000e+00	0.000000e+00 0
##	CSI034	0	0	0	0.000000e+00	3.600326e-04 0

##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0	0	2.351143e-04	0.000000e+00	0
##	CSI066	0	0	0	9.584236e-05	0.000000e+00	0
##	0tu04892	0tu04893	0tu04894	0tu04895	0tu04896	0tu04897	
##	CSI002	0	0.000000e+00	0	0	1.362194e-05	0
##	CSI013	0	0.000000e+00	0	0	3.195807e-05	0
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI045	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	0	1.959286e-05	0	0	0.000000e+00	0
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	0
##	0tu04898	0tu04899	0tu04900	0tu04901	0tu04902	0tu04903	0tu04904
##	CSI002	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	1.959286e-05	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##	0tu04905	0tu04906	0tu04907	0tu04908	0tu04909	0tu04910	0tu04911
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##	0tu04912	0tu04913	0tu04914	0tu04915	0tu04916	0tu04917	0tu04918
##	CSI002	0	0	0	0	2.724387e-05	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	1.341793e-04	0
##	0tu04919	0tu04920	0tu04921	0tu04922	0tu04923	0tu04924	0tu04925
##	CSI002	0	0	4.086581e-05	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	3.789817e-05	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##	0tu04926	0tu04927	0tu04928	0tu04929	0tu04930	0tu04931	
##	CSI002	0	0.000000e+00	0	5.448775e-05	0	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI023	0	2.041025e-05	0	0.000000e+00	0	0
##	CSI034	0	9.474542e-05	0	0.000000e+00	0	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0
##	0tu04932	0tu04933	0tu04934	0tu04935	0tu04936	0tu04937	0tu04938
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0

##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu04939	0tu04940	0tu04941	0tu04942	0tu04943	0tu04944	0tu04945
##	CSI002	0	0	0	0	0	0.0000000000	0
##	CSI013	0	0	0	0	0	0.0000000000	0
##	CSI023	0	0	0	0	0	0.0000000000	0
##	CSI034	0	0	0	0	0	0.0000000000	0
##	CSI045	0	0	0	0	0	0.0000000000	0
##	CSI056	0	0	0	0	0	0.0002155215	0
##	CSI066	0	0	0	0	0	0.0000000000	0
##		0tu04946	0tu04947	0tu04948	0tu04949	0tu04950	0tu04951	
##	CSI002	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0	0	2.041025e-05	0.000000e+00	
##	CSI034	0	0	0	0	7.579634e-05	0.000000e+00	
##	CSI045	0	0	0	0	0.000000e+00	3.265093e-05	
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00	
##		0tu04952	0tu04953	0tu04954	0tu04955	0tu04956	0tu04957	0tu04958
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu04959	0tu04960	0tu04961	0tu04962	0tu04963	0tu04964	
##	CSI002	0	0	1.362194e-05	0	0	0	
##	CSI013	0	0	6.391614e-05	0	0	0	
##	CSI023	0	0	0.000000e+00	0	0	0	
##	CSI034	0	0	5.684725e-05	0	0	0	
##	CSI045	0	0	0.000000e+00	0	0	0	
##	CSI056	0	0	1.959286e-05	0	0	0	
##	CSI066	0	0	3.833694e-05	0	0	0	
##		0tu04965	0tu04966	0tu04967	0tu04968	0tu04969	0tu04970	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI013	0.000000e+00	3.195807e-05	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	0.000000e+00	3.789817e-05	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	3.918572e-05	0.000000e+00	0	0	0	0	
##	CSI066	1.916847e-05	0.000000e+00	0	0	0	0	
##		0tu04971	0tu04972	0tu04973	0tu04974	0tu04975	0tu04976	
##	CSI002	0	0.000000e+00	0	0	0	0.00000000	
##	CSI013	0	0.000000e+00	0	0	0	0.00000000	
##	CSI023	0	0.000000e+00	0	0	0	0.00000000	
##	CSI034	0	0.000000e+00	0	0	0	0.00000000	
##	CSI045	0	3.265093e-05	0	0	0	0.00000000	
##	CSI056	0	0.000000e+00	0	0	0	0.00013715	
##	CSI066	0	0.000000e+00	0	0	0	0.00000000	
##		0tu04977	0tu04978	0tu04979	0tu04980	0tu04981	0tu04982	

##	CSI002	0.0000000000	0.000000e+00	0	0	0	0.000000e+00
##	CSI013	0.0000000000	0.000000e+00	0	0	0	3.195807e-05
##	CSI023	0.0000000000	0.000000e+00	0	0	0	0.000000e+00
##	CSI034	0.0000000000	9.474542e-05	0	0	0	1.894908e-05
##	CSI045	0.0000000000	0.000000e+00	0	0	0	0.000000e+00
##	CSI056	0.0000000000	0.000000e+00	0	0	0	0.000000e+00
##	CSI066	0.0000000000	0.000000e+00	0	0	0	0.000000e+00
##		0tu04983	0tu04984	0tu04985	0tu04986	0tu04987	0tu04988
##	CSI002	1.362194e-05	0	0.000000e+00	0	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	9.474542e-05	0	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	1.175572e-04	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu04989	0tu04990	0tu04991	0tu04992	0tu04993	0tu04994
##	CSI002	0	0	0	1.362194e-05	0	0
##	CSI013	0	0	0	3.195807e-05	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	3.789817e-05	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0.000000e+00	0	0
##		0tu04996	0tu04997	0tu04998	0tu04999	0tu05000	0tu05001
##	CSI002	0.000000e+00	0	0.000000e+00	0	0.0000000000	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0.0000000000	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.0000000000	0
##	CSI034	5.684725e-05	0	1.894908e-05	0	0.0000000000	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.0000000000	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0.0002351143	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.0000000000	0
##		0tu05002	0tu05003	0tu05004	0tu05005	0tu05006	0tu05007
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	1.959286e-05	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu05008	0tu05009	0tu05010	0tu05011	0tu05012	0tu05013
##	CSI002	0.0000000000	0	0.000000e+00	0	0	0
##	CSI013	0.0000000000	0	6.391614e-05	0	0	0
##	CSI023	0.0000000000	0	0.000000e+00	0	0	0
##	CSI034	0.0000000000	0	1.136945e-04	0	0	0
##	CSI045	0.0000000000	0	0.000000e+00	0	0	0
##	CSI056	0.0000000000	0	0.000000e+00	0	0	0
##	CSI066	0.0001341793	0	0.000000e+00	0	0	0
##		0tu05014	0tu05015	0tu05016	0tu05017	0tu05018	
##	CSI002	0	1.362194e-05	0.000000e+00	0	4.086581e-05	
##	CSI013	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI023	0	2.041025e-05	0.000000e+00	0	6.123074e-05	
##	CSI034	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI056	0	0.000000e+00	1.175572e-04	0	0.000000e+00	

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## CSI066      0 0.000000e+00 1.916847e-05      0 0.000000e+00
##      0tu05019 0tu05020      0tu05021      0tu05022      0tu05023
## CSI002 0.000000e+00      0 0.000000e+00 0.000000e+00 8.173162e-05
## CSI013 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00      0 0.000000e+00 0.000000e+00 3.789817e-05
## CSI045 0.000000e+00      0 3.265093e-05 0.000000e+00 0.000000e+00
## CSI056 1.959286e-05      0 5.877858e-05 7.837144e-05 0.000000e+00
## CSI066 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu05024      0tu05025 0tu05026      0tu05027 0tu05028 0tu05029
## CSI002 4.086581e-05 2.724387e-05      0 0.000000e+00      0      0
## CSI013 0.000000e+00 6.391614e-05      0 0.000000e+00      0      0
## CSI023 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI034 9.474542e-05 0.000000e+00      0 0.000000e+00      0      0
## CSI045 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI056 0.000000e+00 3.918572e-05      0 1.959286e-05      0      0
## CSI066 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
##      0tu05030 0tu05031 0tu05032 0tu05033 0tu05034 0tu05035      0tu05036
## CSI002      0      0      0      0      0      0 0.000000e+00
## CSI013      0      0      0      0      0      0 0.000000e+00
## CSI023      0      0      0      0      0      0 0.000000e+00
## CSI034      0      0      0      0      0      0 0.000000e+00
## CSI045      0      0      0      0      0      0 0.000000e+00
## CSI056      0      0      0      0      0      0 0.000000e+00
## CSI066      0      0      0      0      0      0 0.000000e+00
##      0tu05037 0tu05038 0tu05039      0tu05040 0tu05041 0tu05042 0tu05043
## CSI002      0      0      0 0.000000e+00      0      0      0
## CSI013      0      0      0 6.391614e-05      0      0      0
## CSI023      0      0      0 0.000000e+00      0      0      0
## CSI034      0      0      0 0.000000e+00      0      0      0
## CSI045      0      0      0 0.000000e+00      0      0      0
## CSI056      0      0      0 0.000000e+00      0      0      0
## CSI066      0      0      0 0.000000e+00      0      0      0
##      0tu05044 0tu05045      0tu05046      0tu05047 0tu05048 0tu05049
## CSI002 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI013 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI034 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI056 3.918572e-05      0 0.000000e+00 0.000000e+00      0      0
## CSI066 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
##      0tu05050 0tu05051 0tu05052 0tu05053 0tu05054 0tu05055      0tu05056
## CSI002      0      0      0      0      0      0 0.000000e+00
## CSI013      0      0      0      0      0      0 0.000000e+00
## CSI023      0      0      0      0      0      0 0.000000e+00
## CSI034      0      0      0      0      0      0 0.000000e+00
## CSI045      0      0      0      0      0      0 0.000000e+00
## CSI056      0      0      0      0      0      0 0.000000e+00
## CSI066      0      0      0      0      0      0 0.000000e+00
##      0tu05057 0tu05058 0tu05059 0tu05060 0tu05061 0tu05062
## CSI002 2.724387e-05      0      0      0      0      0
## CSI013 3.195807e-05      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0
## CSI034 1.894908e-05      0      0      0      0      0

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##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu05063	0tu05064	0tu05065	0tu05066	0tu05067	0tu05068
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0	0	1.894908e-05	0	0
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI066	7.667389e-05	0	0	0.000000e+00	0	0
##		0tu05069	0tu05070	0tu05071	0tu05072	0tu05073	0tu05074
##	CSI002	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	1.959286e-05	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##		0tu05075	0tu05076	0tu05077	0tu05078	0tu05079	0tu05080
##	CSI002	1.362194e-05	0	0	0	1.362194e-05	0
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	1.136945e-04	0	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0	0	0	1.632546e-04	0
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0
##		0tu05081	0tu05082	0tu05083	0tu05084	0tu05085	0tu05086
##	CSI002	2.724387e-05	0	0.000000e+00	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	5.684725e-05	0	0.000000e+00	0	0.000000e+00	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	7.837144e-05	0	5.877858e-05	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##		0tu05087	0tu05088	0tu05089	0tu05090	0tu05091	0tu05092
##	CSI002	0.0000000000	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	0.0000000000	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0.0000000000	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0.0000000000	0.000000e+00	0	0	0.000000e+00	0
##	CSI045	0.0000000000	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	0.0000000000	0.000000e+00	0	0	0.000000e+00	0
##	CSI066	0.0000000000	0.000000e+00	0	0	3.833694e-05	0
##		0tu05093	0tu05094	0tu05095	0tu05096	0tu05097	0tu05098
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	0.000000e+00	1.894908e-05	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI066	1.916847e-05	0.000000e+00	0	0	0	0
##		0tu05099	0tu05100	0tu05101	0tu05102	0tu05103	0tu05104
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0

##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu05106	0tu05107	0tu05108	0tu05109	0tu05110	0tu05111
##	CSI002	0	0	0	0	0	0 0.0001089755
##	CSI013	0	0	0	0	0	0 0.0000000000
##	CSI023	0	0	0	0	0	0 0.0000000000
##	CSI034	0	0	0	0	0	0 0.0000000000
##	CSI045	0	0	0	0	0	0 0.0000000000
##	CSI056	0	0	0	0	0	0 0.0000000000
##	CSI066	0	0	0	0	0	0 0.0000000000
##		0tu05113	0tu05114	0tu05115	0tu05116	0tu05117	0tu05118
##	CSI002	1.362194e-05	0	0	0	0 0.000000e+00	0 0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0 0.000000e+00	0 0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0 0.000000e+00	0 0.000000e+00
##	CSI034	0.000000e+00	0	0	0	0 0.000000e+00	0 0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0 0.000000e+00	0 0.000000e+00
##	CSI056	0.000000e+00	0	0	0	5.877858e-05	0 0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0 0.000000e+00	0 0.000000e+00
##		0tu05119	0tu05120	0tu05121	0tu05122	0tu05123	0tu05124
##	CSI002	1.362194e-05	2.724387e-05	0	0	0	0 0.000000e+00
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0 0.000000e+00
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0 0.000000e+00
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	5.684725e-05
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0 0.000000e+00
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	1.959286e-05
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0 0.000000e+00
##		0tu05125	0tu05126	0tu05127	0tu05128	0tu05129	0tu05130
##	CSI002	0 4.086581e-05	0	0 0.0000000000	0	0	0
##	CSI013	0 0.000000e+00	0	0 0.0000000000	0	0	0
##	CSI023	0 0.000000e+00	0	0 0.0000000000	0	0	0
##	CSI034	0 0.000000e+00	0	0.0001894908	0	0	0
##	CSI045	0 0.000000e+00	0	0.0000000000	0	0	0
##	CSI056	0 0.000000e+00	0	0.0000000000	0	0	0
##	CSI066	0 0.000000e+00	0	0.0000000000	0	0	0
##		0tu05131	0tu05132	0tu05133	0tu05134	0tu05135	0tu05136
##	CSI002	0	0 0.000000e+00	0	8.173162e-05	0	0
##	CSI013	0	0 0.000000e+00	0	6.391614e-05	0	0
##	CSI023	0	0 0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0	0 1.894908e-05	0	0.000000e+00	0	0
##	CSI045	0	0 0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	0 0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0	0 0.000000e+00	0	0.000000e+00	0	0
##		0tu05137	0tu05138	0tu05139	0tu05140	0tu05141	0tu05142
##	CSI002	0	0	0	0	0	0 2.724387e-05
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 0.000000e+00
##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		0tu05144	0tu05145	0tu05146	0tu05147	0tu05148	0tu05149

##	CSI002	0	0	0	0.000000e+00	0.000000e+00	1.362194e-05
##	CSI013	0	0	0	0.000000e+00	3.195807e-05	0.000000e+00
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI034	0	0	0	5.684725e-05	1.894908e-05	1.894908e-05
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00
##	Otu05150	Otu05151	Otu05152	Otu05153	Otu05154	Otu05155	
##	CSI002	0	0.000000e+00	0	1.362194e-05	0	0
##	CSI013	0	6.391614e-05	0	0.000000e+00	0	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0
##	Otu05156	Otu05157	Otu05158	Otu05159	Otu05160	Otu05161	Otu05162
##	CSI002	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##	Otu05163	Otu05164	Otu05165	Otu05166	Otu05167	Otu05168	Otu05169
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	3.195807e-05
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	7.579634e-05
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##	Otu05170	Otu05171	Otu05172	Otu05173	Otu05174	Otu05175	
##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0	0	1.959286e-05	5.877858e-05	0	0
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0
##	Otu05176	Otu05177	Otu05178	Otu05179	Otu05180	Otu05181	Otu05182
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	3.265093e-05	0	0
##	CSI056	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0.000000e+00	0	0
##	Otu05183	Otu05184	Otu05185	Otu05186	Otu05187	Otu05188	Otu05189
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0

##	CSI066	0	0	0	0	0	0	0
##		0tu05190	0tu05191	0tu05192	0tu05193	0tu05194	0tu05195	0tu05196
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	1.894908e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu05197	0tu05198	0tu05199	0tu05200	0tu05201	0tu05202	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	0.000000e+00	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	0.000000e+00	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	1.959286e-05	0	0	0	0	0	
##	CSI066	0.000000e+00	0	0	0	0	0	
##		0tu05203	0tu05204	0tu05205	0tu05206	0tu05207	0tu05208	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	0.000000e+00	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	0.000000e+00	0	0	0	0	0	
##	CSI045	2.612074e-04	0	0	0	0	0	
##	CSI056	1.959286e-05	0	0	0	0	0	
##	CSI066	0.000000e+00	0	0	0	0	0	
##		0tu05209	0tu05210	0tu05211	0tu05212	0tu05213	0tu05214	
##	CSI002	5.448775e-05	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0	1.175572e-04	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0	1.916847e-05	0.000000e+00	
##		0tu05215	0tu05216	0tu05217	0tu05218	0tu05219	0tu05220	
##	CSI002	6.810968e-05	0.000000e+00	0	0	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	3.789817e-05	1.894908e-05	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0	
##		0tu05221	0tu05222	0tu05223	0tu05224	0tu05225	0tu05226	0tu05227
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	5.877858e-05	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu05228	0tu05229	0tu05230	0tu05231	0tu05232	0tu05233	0tu05234
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0

##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu05235	0tu05236	0tu05237	0tu05238	0tu05239	0tu05240	0tu05241
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu05242	0tu05243	0tu05244	0tu05245	0tu05246	0tu05247	0tu05248
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	1.894908e-05	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu05249	0tu05250	0tu05251	0tu05252	0tu05253	0tu05254	
##	CSI002	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI034	7.579634e-05	0	0	0	0	0.000000e+00	
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00	
##		0tu05255	0tu05256	0tu05257	0tu05258	0tu05259	0tu05260	0tu05261
##	CSI002	4.086581e-05	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu05262	0tu05263	0tu05264	0tu05265	0tu05266	0tu05267	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	0.000000e+00	3.789817e-05	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0	
##		0tu05268	0tu05269	0tu05270	0tu05271	0tu05272	0tu05273	0tu05274
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu05275	0tu05276	0tu05277	0tu05278	0tu05279	0tu05280	
##	CSI002	0	0	0	1.362194e-05	0	0	
##	CSI013	0	0	0	0.000000e+00	0	0	

##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0.000000e+00	0	0
##		0tu05281	0tu05282	0tu05283	0tu05284	0tu05285	0tu05286
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu05287	0tu05288	0tu05289	0tu05290	0tu05291	0tu05292
##	CSI002	0.000000e+00	4.086581e-05	0	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI045	3.265093e-05	0.000000e+00	0	0	0	0
##	CSI056	1.959286e-05	0.000000e+00	0	0	0	0
##	CSI066	1.916847e-05	0.000000e+00	0	0	0	0
##		0tu05293	0tu05294	0tu05295	0tu05296	0tu05297	0tu05298
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	7.579634e-05
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu05300	0tu05301	0tu05302	0tu05303	0tu05304	0tu05305
##	CSI002	0	0	0	1.362194e-05	0	0.000000e+00
##	CSI013	0	0	0	0.000000e+00	0	6.391614e-05
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI034	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00
##	CSI056	0	0	0	0.000000e+00	0	3.918572e-05
##	CSI066	0	0	0	0.000000e+00	0	9.584236e-05
##		0tu05306	0tu05307	0tu05308	0tu05309	0tu05310	0tu05311
##	CSI002	2.724387e-05	0	0	0	0.000000e+00	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	6.391614e-05	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI034	0.000000e+00	0	0	0	1.894908e-05	3.789817e-05
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##		0tu05312	0tu05313	0tu05314	0tu05315	0tu05316	0tu05317
##	CSI002	0	0.000000e+00	0	2.724387e-05	6.810968e-05	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI034	0	7.579634e-05	0	3.789817e-05	5.684725e-05	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI066	0	0.000000e+00	0	3.833694e-05	0.000000e+00	0
##		0tu05318	0tu05319	0tu05320	0tu05321	0tu05322	0tu05323
##							0tu05324

##	CSI002	0	0	0	0	0	0 0.000000e+00
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 3.789817e-05
##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		0tu05325	0tu05326	0tu05327	0tu05328	0tu05329	0tu05330
##	CSI002	0.0000000000	0	0	0.0000000000	0.000000e+00	0
##	CSI013	0.0000000000	0	0	0.0000000000	0.000000e+00	0
##	CSI023	0.0000000000	0	0	0.0000000000	0.000000e+00	0
##	CSI034	0.0000000000	0	0	0.0000000000	1.894908e-05	0
##	CSI045	0.0000000000	0	0	0.0000000000	0.000000e+00	0
##	CSI056	0.0001763357	0	0	0.0001175572	0.000000e+00	0
##	CSI066	0.0000000000	0	0	0.0000000000	0.000000e+00	0
##		0tu05331	0tu05332	0tu05333	0tu05334	0tu05335	0tu05336
##	CSI002	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI013	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI023	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI034	7.579634e-05	0	0	0 0.000000e+00		0
##	CSI045	3.265093e-05	0	0	0 0.000000e+00		0
##	CSI056	0.000000e+00	0	0	0 0.000000e+00		0
##	CSI066	0.000000e+00	0	0	0 0.000000e+00		0
##		0tu05337	0tu05338	0tu05339	0tu05340	0tu05341	0tu05342
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu05344	0tu05345	0tu05346	0tu05347	0tu05348	0tu05349
##	CSI002	0	0 2.724387e-05	0.000000e+00		0	0
##	CSI013	0	0 0.000000e+00	0.000000e+00		0	0
##	CSI023	0	0 0.000000e+00	0.000000e+00		0	0
##	CSI034	0	0 0.000000e+00	0.000000e+00		0	0
##	CSI045	0	0 0.000000e+00	0.000000e+00		0	0
##	CSI056	0	0 0.000000e+00	0.000000e+00		0	0
##	CSI066	0	0 0.000000e+00	0.000000e+00		0	0
##		0tu05350	0tu05351	0tu05352	0tu05353	0tu05354	0tu05355
##	CSI002	1.362194e-05	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	9.587421e-05	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu05356	0tu05357	0tu05358	0tu05359	0tu05360	0tu05361
##	CSI002	0	0 0.000000e+00	0	0	0	0
##	CSI013	0	0 1.917484e-04	0	0	0	0
##	CSI023	0	0 0.000000e+00	0	0	0	0
##	CSI034	0	0 1.894908e-05	0	0	0	0
##	CSI045	0	0 0.000000e+00	0	0	0	0
##	CSI056	0	0 0.000000e+00	0	0	0	0

##	CSI066	0	0	0.000000e+00	0	0	0
##		0tu05362	0tu05363	0tu05364	0tu05365	0tu05366	0tu05367
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	1.175572e-04	0	0	0	0.000000e+00	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##		0tu05368	0tu05369	0tu05370	0tu05371	0tu05372	0tu05373
##	CSI002	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI034	0	5.684725e-05	0	0	0	0.000000e+00
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI056	0	0.000000e+00	0	0	0	1.959286e-05
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00
##		0tu05374	0tu05375	0tu05376	0tu05377	0tu05378	0tu05379
##	CSI002	0	0.000000e+00	0	2.724387e-05	0.000000e+00	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	2.041025e-05	0
##	CSI034	0	1.894908e-05	0	3.789817e-05	5.684725e-05	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##		0tu05380	0tu05381	0tu05382	0tu05383	0tu05384	0tu05385
##	CSI002	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	9.474542e-05	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##		0tu05387	0tu05388	0tu05389	0tu05390	0tu05391	0tu05392
##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	1.136945e-04	3.789817e-05	0	0
##	CSI045	0	0	9.795279e-05	0.000000e+00	0	0
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu05393	0tu05394	0tu05395	0tu05396	0tu05397	0tu05398
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	9.474542e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu05400	0tu05401	0tu05402	0tu05403	0tu05404	
##	CSI002	0.000000e+00	0	1.362194e-05	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	
##	CSI034	1.894908e-05	0	7.579634e-05	1.894908e-05	0	

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## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI056 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI066 0.000000e+00      0 0.000000e+00 3.833694e-05      0
##      0tu05405 0tu05406 0tu05407 0tu05408 0tu05409 0tu05410 0tu05411
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 3.918572e-05      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu05412      0tu05413 0tu05414      0tu05415      0tu05416 0tu05417
## CSI002      0 0.000000e+00      0 0.000000e+00 9.535356e-05      0
## CSI013      0 3.195807e-05      0 0.000000e+00 0.000000e+00      0
## CSI023      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI034      0 0.000000e+00      0 7.579634e-05 0.000000e+00      0
## CSI045      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI056      0 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI066      0 0.000000e+00      0 0.000000e+00 3.833694e-05      0
##      0tu05418 0tu05419      0tu05420 0tu05421      0tu05422 0tu05423
## CSI002      0      0 8.173162e-05      0 0.000000e+00      0
## CSI013      0      0 0.000000e+00      0 0.000000e+00      0
## CSI023      0      0 0.000000e+00      0 0.000000e+00      0
## CSI034      0      0 0.000000e+00      0 0.000000e+00      0
## CSI045      0      0 0.000000e+00      0 0.000000e+00      0
## CSI056      0      0 0.000000e+00      0 0.000000e+00      0
## CSI066      0      0 0.000000e+00      0 0.000000e+00      0
##      0tu05424 0tu05425 0tu05426 0tu05427      0tu05428 0tu05429 0tu05430
## CSI002      0      0      0      0 0.000000e+00      0      0
## CSI013      0      0      0      0 0.000000e+00      0      0
## CSI023      0      0      0      0 0.000000e+00      0      0
## CSI034      0      0      0      0 1.894908e-05      0      0
## CSI045      0      0      0      0 0.000000e+00      0      0
## CSI056      0      0      0      0 0.000000e+00      0      0
## CSI066      0      0      0      0 0.000000e+00      0      0
##      0tu05431 0tu05432 0tu05433 0tu05434      0tu05435      0tu05436
## CSI002 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI013 6.391614e-05      0      0      0 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI034 1.894908e-05      0      0      0 5.684725e-05 0.000000e+00
## CSI045 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI066 1.916847e-05      0      0      0 0.000000e+00 3.833694e-05
##      0tu05437 0tu05438      0tu05439 0tu05440 0tu05441 0tu05442 0tu05443
## CSI002      0      0 0.000000e+00      0      0      0      0
## CSI013      0      0 0.000000e+00      0      0      0      0
## CSI023      0      0 0.000000e+00      0      0      0      0
## CSI034      0      0 1.894908e-05      0      0      0      0
## CSI045      0      0 0.000000e+00      0      0      0      0
## CSI056      0      0 0.000000e+00      0      0      0      0
## CSI066      0      0 0.000000e+00      0      0      0      0
##      0tu05444 0tu05445 0tu05446 0tu05447      0tu05448      0tu05449
## CSI002      0      0      0      0 0.000000e+00 1.362194e-05
## CSI013      0      0      0      0 0.000000e+00 0.000000e+00

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##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI034	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI045	0	0	0	0	3.265093e-05	0.000000e+00
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00
##		0tu05450	0tu05451	0tu05452	0tu05453	0tu05454	0tu05455
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu05457	0tu05458	0tu05459	0tu05460	0tu05461	0tu05462
##	CSI002	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI045	0	0.000000e+00	0	0	6.530186e-05	0
##	CSI056	0	3.918572e-05	0	0	0.000000e+00	0
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	0
##		0tu05463	0tu05464	0tu05465	0tu05466	0tu05467	0tu05468
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	1.597904e-04	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	7.579634e-05	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0.000000e+00	0	0
##		0tu05470	0tu05471	0tu05472	0tu05473	0tu05474	0tu05475
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI013	0.000000e+00	0	3.195807e-05	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	5.684725e-05	0	1.894908e-05	0	0	0
##	CSI045	2.938584e-04	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu05476	0tu05477	0tu05478	0tu05479	0tu05480	0tu05481
##	CSI002	0	2.724387e-05	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu05483	0tu05484	0tu05485	0tu05486	0tu05487	0tu05488
##	CSI002	4.086581e-05	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu05489	0tu05490	0tu05491	0tu05492	0tu05493	0tu05494

##	CSI002	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0	1.894908e-05	0	0	0.000000e+00	0
##	CSI045	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	0	0.000000e+00	0	0	1.959286e-05	0
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	0
##		0tu05495	0tu05496	0tu05497	0tu05498	0tu05499	0tu05500
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	1.959286e-05	0	0
##	CSI066	0	0	0	3.833694e-05	0	0
##		0tu05502	0tu05503	0tu05504	0tu05505	0tu05506	0tu05507
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	3.195807e-05	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	7.579634e-05	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu05508	0tu05509	0tu05510	0tu05511	0tu05512	0tu05513
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	1.959286e-05	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu05515	0tu05516	0tu05517	0tu05518	0tu05519	0tu05520
##	CSI002	2.724387e-05	0	0.000000e+00	0	0	0
##	CSI013	3.195807e-05	0	0.000000e+00	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	1.894908e-05	0	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	3.918572e-05	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu05521	0tu05522	0tu05523	0tu05524	0tu05525	0tu05526
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu05528	0tu05529	0tu05530	0tu05531	0tu05532	0tu05533
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	6.391614e-05	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	3.789817e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0


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## CSI066      0 0.000000e+00      0      0      0      0      0
##      0tu05535      0tu05536 0tu05537 0tu05538 0tu05539 0tu05540
## CSI002 0.000000e+00 1.362194e-05      0      0      0      0
## CSI013 0.000000e+00 1.278323e-04      0      0      0      0
## CSI023 0.000000e+00 0.000000e+00      0      0      0      0
## CSI034 0.000000e+00 1.894908e-05      0      0      0      0
## CSI045 0.000000e+00 0.000000e+00      0      0      0      0
## CSI056 0.000000e+00 0.000000e+00      0      0      0      0
## CSI066 0.000000e+00 0.000000e+00      0      0      0      0
##      0tu05541 0tu05542 0tu05543      0tu05544 0tu05545 0tu05546 0tu05547
## CSI002      0      0      0 1.362194e-05      0      0      0
## CSI013      0      0      0 0.000000e+00      0      0      0
## CSI023      0      0      0 0.000000e+00      0      0      0
## CSI034      0      0      0 1.136945e-04      0      0      0
## CSI045      0      0      0 0.000000e+00      0      0      0
## CSI056      0      0      0 0.000000e+00      0      0      0
## CSI066      0      0      0 0.000000e+00      0      0      0
##      0tu05548      0tu05549      0tu05550 0tu05551 0tu05552
## CSI002 0.000000e+00 1.362194e-05 0.000000e+00      0      0
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI034 0.000000e+00 5.684725e-05 0.000000e+00      0      0
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI056 1.959286e-05 0.000000e+00 0.000000e+00      0      0
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00      0      0
##      0tu05553 0tu05554 0tu05555 0tu05556 0tu05557 0tu05558 0tu05559
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 1.916847e-05      0      0      0      0      0      0
##      0tu05560      0tu05561 0tu05562 0tu05563      0tu05564 0tu05565
## CSI002      0 0.000000e+00      0      0 0.000000e+00      0
## CSI013      0 0.000000e+00      0      0 0.000000e+00      0
## CSI023      0 0.000000e+00      0      0 0.000000e+00      0
## CSI034      0 1.326436e-04      0      0 0.000000e+00      0
## CSI045      0 0.000000e+00      0      0 0.000000e+00      0
## CSI056      0 0.000000e+00      0      0 0.000000e+00      0
## CSI066      0 1.916847e-05      0      0 1.916847e-05      0
##      0tu05566 0tu05567 0tu05568 0tu05569 0tu05570      0tu05571
## CSI002      0      0      0      0      0 0.0000000000
## CSI013      0      0      0      0      0 0.0000000000
## CSI023      0      0      0      0      0 0.0000000000
## CSI034      0      0      0      0      0 0.0000000000
## CSI045      0      0      0      0      0 0.0000000000
## CSI056      0      0      0      0      0 0.0000000000
## CSI066      0      0      0      0      0 0.0001916847
##      0tu05572 0tu05573 0tu05574 0tu05575 0tu05576      0tu05577
## CSI002 0.000000e+00      0      0      0      0 0.000000e+00
## CSI013 0.000000e+00      0      0      0      0 0.000000e+00
## CSI023 0.000000e+00      0      0      0      0 0.000000e+00
## CSI034 0.000000e+00      0      0      0      0 0.000000e+00

```

##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu05578	0tu05579	0tu05580	0tu05581	0tu05582	0tu05583
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu05585	0tu05586	0tu05587	0tu05588	0tu05589	0tu05590
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI013	9.587421e-05	0	0.000000e+00	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu05591	0tu05592	0tu05593	0tu05594	0tu05595	0tu05596
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu05598	0tu05599	0tu05600	0tu05601	0tu05602	0tu05603
##	CSI002	0	0	0.0000000000	0.000000e+00	0	0
##	CSI013	0	0	0.0000000000	0.000000e+00	0	0
##	CSI023	0	0	0.0000000000	0.000000e+00	0	0
##	CSI034	0	0	0.0001326436	0.000000e+00	0	0
##	CSI045	0	0	0.0000000000	0.000000e+00	0	0
##	CSI056	0	0	0.0000000000	0.000000e+00	0	0
##	CSI066	0	0	0.0000000000	0.000000e+00	0	0
##		0tu05604	0tu05605	0tu05606	0tu05607	0tu05608	0tu05609
##	CSI002	0.0000000000	0	0	0	0	2.724387e-05
##	CSI013	0.0001278323	0	0	0	0	0.000000e+00
##	CSI023	0.0000000000	0	0	0	0	0.000000e+00
##	CSI034	0.0000000000	0	0	0	0	0.000000e+00
##	CSI045	0.0000000000	0	0	0	0	0.000000e+00
##	CSI056	0.0000000000	0	0	0	0	0.000000e+00
##	CSI066	0.0000000000	0	0	0	0	0.000000e+00
##		0tu05610	0tu05611	0tu05612	0tu05613	0tu05614	0tu05615
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu05617	0tu05618	0tu05619	0tu05620	0tu05621	0tu05622
##	CSI002	1.362194e-05	0	0	0	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00

##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI034	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00	
##		Otu05623	Otu05624	Otu05625	Otu05626	Otu05627	Otu05628	
##	CSI002	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI013	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI034	0	0	0	0.000000e+00	0	1.894908e-05	
##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0	0	0	5.750542e-05	0	0.000000e+00	
##		Otu05629	Otu05630	Otu05631	Otu05632	Otu05633	Otu05634	
##	CSI002	0	0	0.000000e+00	0	0	0	
##	CSI013	0	0	0.000000e+00	0	0	0	
##	CSI023	0	0	0.000000e+00	0	0	0	
##	CSI034	0	0	0.000000e+00	0	0	0	
##	CSI045	0	0	0.000000e+00	0	0	0	
##	CSI056	0	0	3.918572e-05	0	0	0	
##	CSI066	0	0	0.000000e+00	0	0	0	
##		Otu05635	Otu05636	Otu05637	Otu05638	Otu05639	Otu05640	
##	CSI002	2.724387e-05	0	0.000000e+00	0	0	0	
##	CSI013	9.587421e-05	0	0.000000e+00	0	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI045	3.265093e-05	0	0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0	3.918572e-05	0	0	0	
##	CSI066	0.000000e+00	0	1.916847e-05	0	0	0	
##		Otu05641	Otu05642	Otu05643	Otu05644	Otu05645	Otu05646	Otu05647
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu05648	Otu05649	Otu05650	Otu05651	Otu05652	Otu05653	
##	CSI002	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0	0	0.000000e+00	2.041025e-05	
##	CSI034	0	0	0	0	1.894908e-05	0.000000e+00	
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00	
##		Otu05654	Otu05655	Otu05656	Otu05657	Otu05658	Otu05659	Otu05660
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu05661	Otu05662	Otu05663	Otu05664	Otu05665	Otu05666	Otu05667

##	CSI002	0	0	0 0.000000e+00	0	0	0
##	CSI013	0	0	0 9.587421e-05	0	0	0
##	CSI023	0	0	0 0.000000e+00	0	0	0
##	CSI034	0	0	0 1.894908e-05	0	0	0
##	CSI045	0	0	0 0.000000e+00	0	0	0
##	CSI056	0	0	0 0.000000e+00	0	0	0
##	CSI066	0	0	0 0.000000e+00	0	0	0
##		0tu05668	0tu05669	0tu05670	0tu05671	0tu05672	0tu05673
##	CSI002	0	0	0 4.086581e-05	0	0	0
##	CSI013	0	0	0 0.000000e+00	0	0	0
##	CSI023	0	0	0 0.000000e+00	0	0	0
##	CSI034	0	0	0 0.000000e+00	0	0	0
##	CSI045	0	0	0 0.000000e+00	0	0	0
##	CSI056	0	0	0 0.000000e+00	0	0	0
##	CSI066	0	0	0 0.000000e+00	0	0	0
##		0tu05675	0tu05676	0tu05677	0tu05678	0tu05679	0tu05680
##	CSI002	0	0	0 0.000000e+00	0	0	0
##	CSI013	0	0	0 0.000000e+00	0	0	0
##	CSI023	0	0	0 0.000000e+00	0	0	0
##	CSI034	0	0	0 0.000000e+00	0	0	0
##	CSI045	0	0	0 0.000000e+00	0	0	0
##	CSI056	0	0	0 0.000000e+00	0	0	0
##	CSI066	0	0	0 0.000000e+00	0	0	0
##		0tu05682	0tu05683	0tu05684	0tu05685	0tu05686	0tu05687
##	CSI002	0 4.086581e-05		0 0.000000e+00		0 0.000000e+00	
##	CSI013	0 3.195807e-05		0 0.000000e+00		0 0.000000e+00	
##	CSI023	0 0.000000e+00		0 0.000000e+00		0 2.041025e-05	
##	CSI034	0 1.894908e-05		0 7.579634e-05		0 0.000000e+00	
##	CSI045	0 0.000000e+00		0 0.000000e+00		0 0.000000e+00	
##	CSI056	0 0.000000e+00		0 0.000000e+00		0 0.000000e+00	
##	CSI066	0 0.000000e+00		0 0.000000e+00		0 0.000000e+00	
##		0tu05688	0tu05689	0tu05690	0tu05691	0tu05692	
##	CSI002	2.724387e-05	0.000000e+00	0	0 0.000000e+00		
##	CSI013	0.000000e+00	9.587421e-05	0	0 3.195807e-05		
##	CSI023	0.000000e+00	0.000000e+00	0	0 0.000000e+00		
##	CSI034	0.000000e+00	0.000000e+00	0	0 1.894908e-05		
##	CSI045	0.000000e+00	0.000000e+00	0	0 0.000000e+00		
##	CSI056	0.000000e+00	1.959286e-05	0	0 0.000000e+00		
##	CSI066	0.000000e+00	0.000000e+00	0	0 0.000000e+00		
##		0tu05693	0tu05694	0tu05695	0tu05696	0tu05697	0tu05698
##	CSI002	1.362194e-05	0.0000000000	0	0	0	0
##	CSI013	0.000000e+00	0.0000000000	0	0	0	0
##	CSI023	0.000000e+00	0.0000000000	0	0	0	0
##	CSI034	0.000000e+00	0.0001136945	0	0	0	0
##	CSI045	0.000000e+00	0.0000000000	0	0	0	0
##	CSI056	0.000000e+00	0.0000000000	0	0	0	0
##	CSI066	0.000000e+00	0.0000000000	0	0	0	0
##		0tu05699	0tu05700	0tu05701	0tu05702	0tu05703	0tu05704
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	3.195807e-05	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	1.894908e-05	0.000000e+00	0	0	0	0
##	CSI045	9.795279e-05	0.000000e+00	0	0	0	0
##	CSI056	3.918572e-05	3.918572e-05	0	0	0	0

```

## CSI066 1.916847e-05 0.000000e+00 0 0 0 0
## 0tu05705 0tu05706 0tu05707 0tu05708 0tu05709 0tu05710
## CSI002 0.000000e+00 0 0.000000e+00 0 0.000000e+00 0
## CSI013 3.195807e-05 0 0.000000e+00 0 3.195807e-05 0
## CSI023 0.000000e+00 0 0.000000e+00 0 0.000000e+00 0
## CSI034 0.000000e+00 0 1.894908e-05 0 0.000000e+00 0
## CSI045 0.000000e+00 0 0.000000e+00 0 0.000000e+00 0
## CSI056 0.000000e+00 0 0.000000e+00 0 0.000000e+00 0
## CSI066 0.000000e+00 0 0.000000e+00 0 0.000000e+00 0
## 0tu05711 0tu05712 0tu05713 0tu05714 0tu05715 0tu05716
## CSI002 0 0.000000e+00 0 0 0 0
## CSI013 0 0.000000e+00 0 0 0 0
## CSI023 0 0.000000e+00 0 0 0 0
## CSI034 0 0.000000e+00 0 0 0 0
## CSI045 0 0.000000e+00 0 0 0 0
## CSI056 0 0.000000e+00 0 0 0 0
## CSI066 0 3.833694e-05 0 0 0 0
## 0tu05717 0tu05718 0tu05719 0tu05720 0tu05721 0tu05722
## CSI002 2.724387e-05 0 0 1.362194e-05 0 0
## CSI013 0.000000e+00 0 0 0.000000e+00 0 0
## CSI023 2.041025e-05 0 0 0.000000e+00 0 0
## CSI034 0.000000e+00 0 0 0.000000e+00 0 0
## CSI045 3.265093e-05 0 0 0.000000e+00 0 0
## CSI056 0.000000e+00 0 0 0.000000e+00 0 0
## CSI066 0.000000e+00 0 0 0.000000e+00 0 0
## 0tu05723 0tu05724 0tu05725 0tu05726 0tu05727 0tu05728 0tu05729
## CSI002 0 0 0 0 0 0.000000e+00 0
## CSI013 0 0 0 0 0 0.000000e+00 0
## CSI023 0 0 0 0 0 0.000000e+00 0
## CSI034 0 0 0 0 0 1.894908e-05 0
## CSI045 0 0 0 0 0 0.000000e+00 0
## CSI056 0 0 0 0 0 0.000000e+00 0
## CSI066 0 0 0 0 0 0.000000e+00 0
## 0tu05730 0tu05731 0tu05732 0tu05733 0tu05734 0tu05735
## CSI002 0 0 0.000000e+00 0 0.000000e+00 1.362194e-05
## CSI013 0 0 2.876226e-04 0 0.000000e+00 0.000000e+00
## CSI023 0 0 0.000000e+00 0 0.000000e+00 0.000000e+00
## CSI034 0 0 0.000000e+00 0 3.789817e-05 0.000000e+00
## CSI045 0 0 0.000000e+00 0 0.000000e+00 0.000000e+00
## CSI056 0 0 0.000000e+00 0 0.000000e+00 0.000000e+00
## CSI066 0 0 0.000000e+00 0 0.000000e+00 0.000000e+00
## 0tu05736 0tu05737 0tu05738 0tu05739 0tu05740 0tu05741 0tu05742
## CSI002 1.362194e-05 0 0 0 0 0 0
## CSI013 0.000000e+00 0 0 0 0 0 0
## CSI023 2.041025e-05 0 0 0 0 0 0
## CSI034 3.789817e-05 0 0 0 0 0 0
## CSI045 0.000000e+00 0 0 0 0 0 0
## CSI056 0.000000e+00 0 0 0 0 0 0
## CSI066 0.000000e+00 0 0 0 0 0 0
## 0tu05743 0tu05744 0tu05745 0tu05746 0tu05747 0tu05748
## CSI002 0 0 0 1.362194e-05 0.000000e+00 0
## CSI013 0 0 0 3.195807e-05 6.391614e-05 0
## CSI023 0 0 0 0.000000e+00 0.000000e+00 0
## CSI034 0 0 0 1.894908e-05 0.000000e+00 0

```

##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0	0	0.000000e+00	5.877858e-05	0
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu05749	0tu05750	0tu05751	0tu05752	0tu05753	0tu05754
##	CSI002	0	0	0.000000e+00	0	1.362194e-05	1.362194e-05
##	CSI013	0	0	0.000000e+00	0	3.195807e-05	3.195807e-05
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI034	0	0	1.894908e-05	0	0.000000e+00	0.000000e+00
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	3.833694e-05
##		0tu05755	0tu05756	0tu05757	0tu05758	0tu05759	0tu05760
##	CSI002	4.086581e-05	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu05762	0tu05763	0tu05764	0tu05765	0tu05766	0tu05767
##	CSI002	1.362194e-05	0.000000e+00	1.362194e-05	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	1.894908e-05	0.000000e+00	5.684725e-05	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0
##		0tu05768	0tu05769	0tu05770	0tu05771	0tu05772	0tu05773
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu05775	0tu05776	0tu05777	0tu05778	0tu05779	0tu05780
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	1.959286e-05	0	0	0	0
##	CSI066	0	3.833694e-05	0	0	0	0
##		0tu05781	0tu05782	0tu05783	0tu05784	0tu05785	0tu05786
##	CSI002	1.362194e-05	0	0.000000e+00	0	0	0
##	CSI013	2.556646e-04	0	0.000000e+00	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	5.877858e-05	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu05787	0tu05788	0tu05789	0tu05790	0tu05791	0tu05792
##	CSI002	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0	9.587421e-05

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## CSI023 0.000000e+00      0      0      0      0 0.000000e+00
## CSI034 3.789817e-05      0      0      0      0 9.474542e-05
## CSI045 0.000000e+00      0      0      0      0 0.000000e+00
## CSI056 0.000000e+00      0      0      0      0 0.000000e+00
## CSI066 0.000000e+00      0      0      0      0 0.000000e+00
##      0tu05793 0tu05794 0tu05795 0tu05796 0tu05797      0tu05798 0tu05799
## CSI002      0      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0      0 0.000000e+00      0
## CSI023      0      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0      0 0.000000e+00      0
## CSI045      0      0      0      0      0 3.265093e-05      0
## CSI056      0      0      0      0      0 0.000000e+00      0
## CSI066      0      0      0      0      0 0.000000e+00      0
##      0tu05800 0tu05801 0tu05802 0tu05803      0tu05804 0tu05805
## CSI002 5.448775e-05      0      0      0 0.0000000000      0
## CSI013 0.000000e+00      0      0      0 0.0000000000      0
## CSI023 0.000000e+00      0      0      0 0.0000000000      0
## CSI034 0.000000e+00      0      0      0 0.0000000000      0
## CSI045 0.000000e+00      0      0      0 0.0000000000      0
## CSI056 0.000000e+00      0      0      0 0.0000000000      0
## CSI066 0.000000e+00      0      0      0 0.0000000000      0
##      0tu05806 0tu05807      0tu05808 0tu05809 0tu05810 0tu05811
## CSI002 0.000000e+00      0 0.000000e+00      0      0      0
## CSI013 0.000000e+00      0 0.000000e+00      0      0      0
## CSI023 0.000000e+00      0 0.000000e+00      0      0      0
## CSI034 0.000000e+00      0 1.894908e-05      0      0      0
## CSI045 3.265093e-05      0 0.000000e+00      0      0      0
## CSI056 0.000000e+00      0 0.000000e+00      0      0      0
## CSI066 0.000000e+00      0 0.000000e+00      0      0      0
##      0tu05812 0tu05813      0tu05814      0tu05815 0tu05816 0tu05817
## CSI002 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI013 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI034 0.000000e+00      0 1.894908e-05 1.894908e-05      0      0
## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI056 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI066 5.750542e-05      0 0.000000e+00 0.000000e+00      0      0
##      0tu05818 0tu05819      0tu05820 0tu05821 0tu05822
## CSI002 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI034 0.000000e+00 1.894908e-05 0.000000e+00      0      0
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI066 0.000000e+00 0.000000e+00 1.916847e-05      0      0
##      0tu05823 0tu05824 0tu05825 0tu05826 0tu05827 0tu05828
## CSI002 0.0000000000      0      0      0      0      0
## CSI013 0.0000000000      0      0      0      0      0
## CSI023 0.0000000000      0      0      0      0      0
## CSI034 0.0000000000      0      0      0      0      0
## CSI045 0.0000000000      0      0      0      0      0
## CSI056 0.0000000000      0      0      0      0      0
## CSI066 0.0000000000      0      0      0      0      0
##      0tu05829 0tu05830      0tu05831      0tu05832 0tu05833 0tu05834

```

##	CSI002	4.086581e-05	0	2.724387e-05	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	6.391614e-05	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	1.894908e-05	0	1.894908e-05	0.000000e+00	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	5.750542e-05	0	0
##		0tu05835	0tu05836	0tu05837	0tu05838	0tu05839	0tu05840
##	CSI002	0	0	0	0	2.724387e-05	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	3.789817e-05	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu05841	0tu05842	0tu05843	0tu05844	0tu05845	0tu05846
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu05848	0tu05849	0tu05850	0tu05851	0tu05852	0tu05853
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	2.041025e-05	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu05855	0tu05856	0tu05857	0tu05858	0tu05859	0tu05860
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu05862	0tu05863	0tu05864	0tu05865	0tu05866	0tu05867
##	CSI002	0	0.000000e+00	0	0.000000e+00	0.0000000000	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0.0001278323	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0.0000000000	0
##	CSI034	0	0.000000e+00	0	1.894908e-05	0.0000000000	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0.0000000000	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0.0000000000	0
##	CSI066	0	1.916847e-05	0	0.000000e+00	0.0000000000	0
##		0tu05868	0tu05869	0tu05870	0tu05871	0tu05872	0tu05873
##	CSI002	0	0.000000e+00	0	2.724387e-05	1.362194e-05	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	2.041025e-05	0
##	CSI034	0	0.000000e+00	0	0.000000e+00	1.894908e-05	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0

##	CSI066	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##		0tu05874	0tu05875	0tu05876	0tu05877	0tu05878	0tu05879
##	CSI002	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI013	0	3.195807e-05	0	0	0	3.195807e-05
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI034	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00
##		0tu05880	0tu05881	0tu05882	0tu05883	0tu05884	0tu05885
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu05887	0tu05888	0tu05889	0tu05890	0tu05891	0tu05892
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	3.918572e-05	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu05894	0tu05895	0tu05896	0tu05897	0tu05898	0tu05899
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	3.195807e-05	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	1.894908e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu05900	0tu05901	0tu05902	0tu05903	0tu05904	0tu05905
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	1.959286e-05	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu05906	0tu05907	0tu05908	0tu05909	0tu05910	0tu05911
##	CSI002	0.000000e+00	0	0	0	0	1.362194e-05
##	CSI013	0.000000e+00	0	0	0	0	6.391614e-05
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu05912	0tu05913	0tu05914	0tu05915	0tu05916	
##	CSI002	0	1.362194e-05	0.000000e+00	0.000000e+00	4.086581e-05	
##	CSI013	0	3.195807e-05	0.000000e+00	0.000000e+00	3.195807e-05	
##	CSI023	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI034	0	5.684725e-05	3.789817e-05	0.000000e+00	0.000000e+00	

```

## CSI045      0 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00
## CSI056      0 0.000000e+00 0.000000e+00 3.918572e-05 0.000000e+00
## CSI066      0 0.000000e+00 0.000000e+00 1.916847e-05 0.000000e+00
##      0tu05917      0tu05918      0tu05919 0tu05920 0tu05921      0tu05922
## CSI002      0 0.000000e+00 2.724387e-05      0      0 0.000000e+00
## CSI013      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI023      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI034      0 1.894908e-05 0.000000e+00      0      0 0.000000e+00
## CSI045      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI056      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI066      0 0.000000e+00 0.000000e+00      0      0 3.833694e-05
##      0tu05923 0tu05924 0tu05925 0tu05926 0tu05927 0tu05928 0tu05929
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu05930 0tu05931      0tu05932 0tu05933      0tu05934 0tu05935
## CSI002      0      0 0.000000e+00      0 0.000000e+00      0
## CSI013      0      0 0.000000e+00      0 0.000000e+00      0
## CSI023      0      0 0.000000e+00      0 0.000000e+00      0
## CSI034      0      0 0.000000e+00      0 0.000000e+00      0
## CSI045      0      0 0.000000e+00      0 0.000000e+00      0
## CSI056      0      0 0.000000e+00      0 0.000000e+00      0
## CSI066      0      0 0.000000e+00      0 1.916847e-05      0
##      0tu05936 0tu05937 0tu05938      0tu05939 0tu05940 0tu05941
## CSI002      0      0      0 0.000000e+00      0      0
## CSI013      0      0      0 3.195807e-05      0      0
## CSI023      0      0      0 2.041025e-05      0      0
## CSI034      0      0      0 0.000000e+00      0      0
## CSI045      0      0      0 0.000000e+00      0      0
## CSI056      0      0      0 0.000000e+00      0      0
## CSI066      0      0      0 0.000000e+00      0      0
##      0tu05942 0tu05943 0tu05944 0tu05945 0tu05946      0tu05947
## CSI002 0.000000e+00      0      0      0      0 0.000000e+00
## CSI013 0.000000e+00      0      0      0      0 0.000000e+00
## CSI023 0.000000e+00      0      0      0      0 0.000000e+00
## CSI034 1.894908e-05      0      0      0      0 0.000000e+00
## CSI045 0.000000e+00      0      0      0      0 0.000000e+00
## CSI056 0.000000e+00      0      0      0      0 1.567429e-04
## CSI066 0.000000e+00      0      0      0      0 0.000000e+00
##      0tu05948      0tu05949 0tu05950 0tu05951 0tu05952 0tu05953
## CSI002 0.000000e+00 0.0000000000      0      0      0      0
## CSI013 6.391614e-05 0.0000000000      0      0      0      0
## CSI023 0.000000e+00 0.0000000000      0      0      0      0
## CSI034 0.000000e+00 0.0000000000      0      0      0      0
## CSI045 0.000000e+00 0.0000000000      0      0      0      0
## CSI056 0.000000e+00 0.0000000000      0      0      0      0
## CSI066 0.000000e+00 0.0000000000      0      0      0      0
##      0tu05954      0tu05955      0tu05956 0tu05957 0tu05958 0tu05959
## CSI002      0 0.0000000000 0.000000e+00      0      0      0
## CSI013      0 0.0000000000 0.000000e+00      0      0      0

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## CSI023      0 0.0000000000 0.000000e+00      0      0      0
## CSI034      0 0.0000000000 0.000000e+00      0      0      0
## CSI045      0 0.0000000000 0.000000e+00      0      0      0
## CSI056      0 0.0001175572 0.000000e+00      0      0      0
## CSI066      0 0.0000000000 3.833694e-05      0      0      0
##      0tu05960 0tu05961 0tu05962 0tu05963      0tu05964      0tu05965
## CSI002      0      0      0      0 0.000000e+00 0.000000e+00
## CSI013      0      0      0      0 0.000000e+00 0.000000e+00
## CSI023      0      0      0      0 0.000000e+00 0.000000e+00
## CSI034      0      0      0      0 0.000000e+00 0.000000e+00
## CSI045      0      0      0      0 0.000000e+00 0.000000e+00
## CSI056      0      0      0      0 0.000000e+00 0.000000e+00
## CSI066      0      0      0      0 0.000000e+00 0.000000e+00
##      0tu05966 0tu05967 0tu05968 0tu05969 0tu05970 0tu05971 0tu05972
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu05973 0tu05974      0tu05975 0tu05976      0tu05977 0tu05978
## CSI002      0      0 0.0000000000      0 0.000000e+00      0
## CSI013      0      0 0.0000000000      0 0.000000e+00      0
## CSI023      0      0 0.0000000000      0 0.000000e+00      0
## CSI034      0      0 0.0000000000      0 1.894908e-05      0
## CSI045      0      0 0.0000000000      0 0.000000e+00      0
## CSI056      0      0 0.0000000000      0 0.000000e+00      0
## CSI066      0      0 0.0000000000      0 0.000000e+00      0
##      0tu05979      0tu05980 0tu05981      0tu05982      0tu05983
## CSI002      0 2.724387e-05      0 0.0000000000 0.000000e+00
## CSI013      0 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI023      0 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI034      0 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI045      0 0.000000e+00      0 0.0000000000 1.959056e-04
## CSI056      0 0.000000e+00      0 0.0000000000 0.000000e+00
## CSI066      0 0.000000e+00      0 0.0000000000 0.000000e+00
##      0tu05984 0tu05985 0tu05986 0tu05987      0tu05988      0tu05989
## CSI002 0.000000e+00      0      0      0 0.000000e+00 0.00000000
## CSI013 0.000000e+00      0      0      0 3.195807e-05 0.00000000
## CSI023 0.000000e+00      0      0      0 0.000000e+00 0.00000000
## CSI034 0.000000e+00      0      0      0 0.000000e+00 0.00000000
## CSI045 0.000000e+00      0      0      0 0.000000e+00 0.00000000
## CSI056 0.000000e+00      0      0      0 0.000000e+00 0.00013715
## CSI066 0.000000e+00      0      0      0 0.000000e+00 0.00000000
##      0tu05990 0tu05991 0tu05992      0tu05993 0tu05994 0tu05995
## CSI002      0      0      0 6.810968e-05      0      0
## CSI013      0      0      0 0.000000e+00      0      0
## CSI023      0      0      0 0.000000e+00      0      0
## CSI034      0      0      0 1.894908e-05      0      0
## CSI045      0      0      0 0.000000e+00      0      0
## CSI056      0      0      0 0.000000e+00      0      0
## CSI066      0      0      0 0.000000e+00      0      0
##      0tu05996      0tu05997 0tu05998 0tu05999 0tu06000 0tu06001

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##	CSI002	0.000000e+00	1.362194e-05	0	0	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	0.000000e+00	9.474542e-05	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0	
##		0tu06002	0tu06003	0tu06004	0tu06005	0tu06006	0tu06007	0tu06008
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu06009	0tu06010	0tu06011	0tu06012	0tu06013	0tu06014	
##	CSI002	0	0	0	0.000000e+00	0	6.810968e-05	
##	CSI013	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI034	0	0	0	0.000000e+00	0	3.789817e-05	
##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0	0	0	0.000000e+00	0	0.000000e+00	
##		0tu06015	0tu06016	0tu06017	0tu06018	0tu06019	0tu06020	
##	CSI002	0	0	0.000000e+00	0	0	0	
##	CSI013	0	0	0.000000e+00	0	0	0	
##	CSI023	0	0	0.000000e+00	0	0	0	
##	CSI034	0	0	0.000000e+00	0	0	0	
##	CSI045	0	0	0.000000e+00	0	0	0	
##	CSI056	0	0	5.877858e-05	0	0	0	
##	CSI066	0	0	0.000000e+00	0	0	0	
##		0tu06021	0tu06022	0tu06023	0tu06024	0tu06025	0tu06026	
##	CSI002	2.724387e-05	0.0000000000	0	0.0000000000	0	0	
##	CSI013	6.391614e-05	0.0000000000	0	0.0000000000	0	0	
##	CSI023	0.000000e+00	0.0000000000	0	0.0000000000	0	0	
##	CSI034	0.000000e+00	0.000227389	0	0.0000000000	0	0	
##	CSI045	0.000000e+00	0.0000000000	0	0.0000000000	0	0	
##	CSI056	0.000000e+00	0.0000000000	0	0.0000000000	0	0	
##	CSI066	0.000000e+00	0.0000000000	0	0.0000000000	0	0	
##		0tu06027	0tu06028	0tu06029	0tu06030	0tu06031	0tu06032	
##	CSI002	0	0	0	0	2.724387e-05	0.000000e+00	
##	CSI013	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0	0	2.041025e-05	0.000000e+00	
##	CSI034	0	0	0	0	7.579634e-05	0.000000e+00	
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00	
##		0tu06033	0tu06034	0tu06035	0tu06036	0tu06037	0tu06038	
##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI013	0	0	6.391614e-05	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI034	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00	
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	3.265093e-05	
##	CSI056	0	0	5.877858e-05	0.000000e+00	0	0.000000e+00	

##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##		0tu06039	0tu06040	0tu06041	0tu06042	0tu06043	0tu06044
##	CSI002	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0	3.195807e-05
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	1.894908e-05	0	0	0	0	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu06045	0tu06046	0tu06047	0tu06048	0tu06049	0tu06050
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI034	0	0	0	1.894908e-05	0.000000e+00	0
##	CSI045	0	0	0	0.000000e+00	3.265093e-05	0
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu06051	0tu06052	0tu06053	0tu06054	0tu06055	0tu06056
##	CSI002	0.000000e+00	0	0	0.000000e+00	1.362194e-05	0
##	CSI013	3.195807e-05	0	0	3.195807e-05	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	5.684725e-05	0.000000e+00	0
##	CSI045	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI066	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##		0tu06057	0tu06058	0tu06059	0tu06060	0tu06061	0tu06062
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	6.391614e-05	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	0.000000e+00	5.684725e-05	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu06063	0tu06064	0tu06065	0tu06066	0tu06067	0tu06068
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu06070	0tu06071	0tu06072	0tu06073	0tu06074	0tu06075
##	CSI002	0	0.0000000000	0	1.362194e-05	0	2.724387e-05
##	CSI013	0	0.0000000000	0	0.000000e+00	0	0.000000e+00
##	CSI023	0	0.0000000000	0	0.000000e+00	0	0.000000e+00
##	CSI034	0	0.0000000000	0	1.894908e-05	0	3.789817e-05
##	CSI045	0	0.0000000000	0	0.000000e+00	0	0.000000e+00
##	CSI056	0	0.0000000000	0	0.000000e+00	0	0.000000e+00
##	CSI066	0	0.0000000000	0	0.000000e+00	0	0.000000e+00
##		0tu06076	0tu06077	0tu06078	0tu06079	0tu06080	0tu06081
##	CSI002	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0	0.000000e+00	0	0	0.000000e+00	0

```

## CSI045      0 0.000000e+00      0      0 0.000000e+00      0
## CSI056      0 0.000000e+00      0      0 0.000000e+00      0
## CSI066      0 0.000000e+00      0      0 0.000000e+00      0
##          0tu06082 0tu06083 0tu06084      0tu06085      0tu06086 0tu06087
## CSI002 0.000000e+00      0      0 0.000000e+00 0.0000000000      0
## CSI013 3.195807e-05      0      0 0.000000e+00 0.0000000000      0
## CSI023 0.000000e+00      0      0 0.000000e+00 0.0000000000      0
## CSI034 0.000000e+00      0      0 0.000000e+00 0.0000000000      0
## CSI045 0.000000e+00      0      0 0.000000e+00 0.0001632546      0
## CSI056 0.000000e+00      0      0 9.79643e-05 0.0000000000      0
## CSI066 0.000000e+00      0      0 0.000000e+00 0.0000000000      0
##          0tu06088 0tu06089 0tu06090 0tu06091      0tu06092 0tu06093
## CSI002      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0 0.000000e+00      0
## CSI023      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0 0.000000e+00      0
## CSI045      0      0      0      0 0.000000e+00      0
## CSI056      0      0      0      0 0.000000e+00      0
## CSI066      0      0      0      0 0.000000e+00      0
##          0tu06094 0tu06095 0tu06096      0tu06097 0tu06098 0tu06099
## CSI002 0.000000e+00      0      0 0.0000000000      0      0
## CSI013 0.000000e+00      0      0 0.0000000000      0      0
## CSI023 0.000000e+00      0      0 0.0000000000      0      0
## CSI034 1.894908e-05      0      0 0.0001326436      0      0
## CSI045 0.000000e+00      0      0 0.0000000000      0      0
## CSI056 0.000000e+00      0      0 0.0000000000      0      0
## CSI066 0.000000e+00      0      0 0.0000000000      0      0
##          0tu06100 0tu06101 0tu06102      0tu06103 0tu06104      0tu06105
## CSI002 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI013 0.000000e+00      0      0 0.000000e+00      0 3.195807e-05
## CSI023 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI034 0.000000e+00      0      0 1.894908e-05      0 0.000000e+00
## CSI045 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
## CSI056 3.918572e-05      0      0 0.000000e+00      0 0.000000e+00
## CSI066 0.000000e+00      0      0 1.916847e-05      0 0.000000e+00
##          0tu06106      0tu06107 0tu06108 0tu06109 0tu06110 0tu06111
## CSI002      0 0.000000e+00      0      0      0      0
## CSI013      0 0.000000e+00      0      0      0      0
## CSI023      0 0.000000e+00      0      0      0      0
## CSI034      0 0.000000e+00      0      0      0      0
## CSI045      0 3.265093e-05      0      0      0      0
## CSI056      0 3.918572e-05      0      0      0      0
## CSI066      0 0.000000e+00      0      0      0      0
##          0tu06112 0tu06113      0tu06114      0tu06115 0tu06116
## CSI002 1.362194e-05      0 0.000000e+00 0.000000e+00      0
## CSI013 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI034 1.894908e-05      0 0.000000e+00 0.000000e+00      0
## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00      0
## CSI056 0.000000e+00      0 5.877858e-05 0.000000e+00      0
## CSI066 0.000000e+00      0 0.000000e+00 1.916847e-05      0
##          0tu06117      0tu06118      0tu06119 0tu06120 0tu06121
## CSI002 0.000000e+00 0.000000e+00 0.000000e+00      0      0
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00      0      0

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##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0	0		
##	CSI034	0.000000e+00	1.894908e-05	0.000000e+00	0	0		
##	CSI045	0.000000e+00	0.000000e+00	0.000000e+00	0	0		
##	CSI056	0.000000e+00	0.000000e+00	5.877858e-05	0	0		
##	CSI066	0.000000e+00	0.000000e+00	0.000000e+00	0	0		
##		0tu06122	0tu06123	0tu06124	0tu06125	0tu06126	0tu06127	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	3.195807e-05	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	0.000000e+00	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	0.000000e+00	0	0	0	0	0	
##	CSI066	0.000000e+00	0	0	0	0	0	
##		0tu06128	0tu06129	0tu06130	0tu06131	0tu06132	0tu06133	
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	9.587421e-05	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##	CSI034	3.789817e-05	0	0.000000e+00	0	0	0.000000e+00	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00	
##		0tu06134	0tu06135	0tu06136	0tu06137	0tu06138	0tu06139	
##	CSI002	0	0	1.362194e-05	2.724387e-05	0	0	
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI034	0	0	5.684725e-05	1.136945e-04	0	0	
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0	
##		0tu06140	0tu06141	0tu06142	0tu06143	0tu06144	0tu06145	0tu06146
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu06147	0tu06148	0tu06149	0tu06150	0tu06151	0tu06152	
##	CSI002	0	0.000000e+00	0	0	0.0000000000	0	
##	CSI013	0	0.000000e+00	0	0	0.0003515388	0	
##	CSI023	0	0.000000e+00	0	0	0.0000000000	0	
##	CSI034	0	0.000000e+00	0	0	0.0000000000	0	
##	CSI045	0	0.000000e+00	0	0	0.0000000000	0	
##	CSI056	0	1.959286e-05	0	0	0.0000000000	0	
##	CSI066	0	0.000000e+00	0	0	0.0000000000	0	
##		0tu06153	0tu06154	0tu06155	0tu06156	0tu06157	0tu06158	
##	CSI002	0	0	0	0.000000e+00	0	0	
##	CSI013	0	0	0	0.000000e+00	0	0	
##	CSI023	0	0	0	0.000000e+00	0	0	
##	CSI034	0	0	0	3.789817e-05	0	0	
##	CSI045	0	0	0	0.000000e+00	0	0	
##	CSI056	0	0	0	0.000000e+00	0	0	
##	CSI066	0	0	0	0.000000e+00	0	0	
##		0tu06159	0tu06160	0tu06161	0tu06162	0tu06163	0tu06164	

##	CSI002	0.000000e+00	0.000000e+00	0	0	1.362194e-05	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	2.041025e-05	0	
##	CSI034	0.000000e+00	0.000000e+00	0	0	1.894908e-05	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	6.530186e-05	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##		0tu06165	0tu06166	0tu06167	0tu06168	0tu06169	0tu06170	
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	1.894908e-05	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0.000000e+00	0	1.959286e-05	0.000000e+00	
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##		0tu06171	0tu06172	0tu06173	0tu06174	0tu06175	0tu06176	0tu06177
##	CSI002	2.724387e-05	0	0	0	0	0	0
##	CSI013	3.195807e-05	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu06178	0tu06179	0tu06180	0tu06181	0tu06182	0tu06183	
##	CSI002	4.086581e-05	1.362194e-05	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	3.195807e-05	0	3.195807e-05	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	2.041025e-05	0	0	
##	CSI034	0.000000e+00	0.000000e+00	0	1.894908e-05	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##		0tu06184	0tu06185	0tu06186	0tu06187	0tu06188	0tu06189	0tu06190
##	CSI002	0	0	1.362194e-05	0	0	0	0
##	CSI013	0	0	3.195807e-05	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	9.474542e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu06191	0tu06192	0tu06193	0tu06194	0tu06195	0tu06196	
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI056	0	0	0	0.000000e+00	1.959286e-05	0	
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0	
##		0tu06197	0tu06198	0tu06199	0tu06200	0tu06201	0tu06202	0tu06203
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0

##	CSI066	0	0	0	0	0	0	0
##		0tu06204	0tu06205	0tu06206	0tu06207	0tu06208	0tu06209	
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI013	0	0.000000e+00	3.195807e-05	0	0	0	
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI034	0	5.684725e-05	0.000000e+00	0	0	0	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0	
##		0tu06210	0tu06211	0tu06212	0tu06213	0tu06214	0tu06215	0tu06216
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	9.474542e-05	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu06217	0tu06218	0tu06219	0tu06220	0tu06221	0tu06222	
##	CSI002	0	0	0	0.000000e+00	0	0	
##	CSI013	0	0	0	0.000000e+00	0	0	
##	CSI023	0	0	0	0.000000e+00	0	0	
##	CSI034	0	0	0	0.000000e+00	0	0	
##	CSI045	0	0	0	0.000000e+00	0	0	
##	CSI056	0	0	0	1.959286e-05	0	0	
##	CSI066	0	0	0	3.833694e-05	0	0	
##		0tu06223	0tu06224	0tu06225	0tu06226	0tu06227	0tu06228	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0.0000000000	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0.0000000000	0	
##	CSI023	0.000000e+00	0	0	2.041025e-05	0.0000000000	0	
##	CSI034	1.894908e-05	0	0	3.789817e-05	0.0001136945	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0.0000000000	0	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0.0000000000	0	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0.0000000000	0	
##		0tu06229	0tu06230	0tu06231	0tu06232	0tu06233	0tu06234	
##	CSI002	0	0	0.000000e+00	0	0	0	
##	CSI013	0	0	0.000000e+00	0	0	0	
##	CSI023	0	0	0.000000e+00	0	0	0	
##	CSI034	0	0	0.000000e+00	0	0	0	
##	CSI045	0	0	0.000000e+00	0	0	0	
##	CSI056	0	0	0.000000e+00	0	0	0	
##	CSI066	0	0	0.000000e+00	0	0	0	
##		0tu06235	0tu06236	0tu06237	0tu06238	0tu06239	0tu06240	
##	CSI002	4.086581e-05	0	0	0	0	0	
##	CSI013	3.195807e-05	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	1.894908e-05	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	0.000000e+00	0	0	0	0	0	
##	CSI066	0.000000e+00	0	0	0	0	0	
##		0tu06241	0tu06242	0tu06243	0tu06244	0tu06245	0tu06246	0tu06247
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0

```

## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu06248 0tu06249 0tu06250 0tu06251 0tu06252 0tu06253 0tu06254
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 1.894908e-05      0      0      0      0      0      0
## CSI045 9.795279e-05      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu06255 0tu06256 0tu06257 0tu06258      0tu06259 0tu06260 0tu06261
## CSI002      0      0      0      0 2.724387e-05      0      0
## CSI013      0      0      0      0 0.000000e+00      0      0
## CSI023      0      0      0      0 0.000000e+00      0      0
## CSI034      0      0      0      0 0.000000e+00      0      0
## CSI045      0      0      0      0 0.000000e+00      0      0
## CSI056      0      0      0      0 0.000000e+00      0      0
## CSI066      0      0      0      0 0.000000e+00      0      0
##      0tu06262 0tu06263      0tu06264 0tu06265 0tu06266 0tu06267
## CSI002 0.000000e+00      0 0.000000e+00      0      0      0
## CSI013 6.391614e-05      0 0.000000e+00      0      0      0
## CSI023 0.000000e+00      0 0.000000e+00      0      0      0
## CSI034 0.000000e+00      0 0.000000e+00      0      0      0
## CSI045 0.000000e+00      0 0.000000e+00      0      0      0
## CSI056 3.918572e-05      0 0.000000e+00      0      0      0
## CSI066 5.750542e-05      0 0.000000e+00      0      0      0
##      0tu06268      0tu06269 0tu06270      0tu06271 0tu06272 0tu06273
## CSI002 0.000000e+00 0.000000e+00      0 5.448775e-05      0      0
## CSI013 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI023 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI034 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI045 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI056 0.000000e+00 0.000000e+00      0 0.000000e+00      0      0
## CSI066 1.916847e-05 0.000000e+00      0 0.000000e+00      0      0
##      0tu06274 0tu06275 0tu06276 0tu06277 0tu06278 0tu06279
## CSI002 0.0000000000      0      0      0      0      0
## CSI013 0.0000000000      0      0      0      0      0
## CSI023 0.0000000000      0      0      0      0      0
## CSI034 0.0000000000      0      0      0      0      0
## CSI045 0.0002612074      0      0      0      0      0
## CSI056 0.0000000000      0      0      0      0      0
## CSI066 0.0000000000      0      0      0      0      0
##      0tu06280      0tu06281      0tu06282      0tu06283 0tu06284
## CSI002 0.000000e+00 0.000000e+00 0.000000e+00 1.362194e-05      0
## CSI013 0.000000e+00 3.195807e-05 0.000000e+00 0.000000e+00      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI034 0.000000e+00 0.000000e+00 0.000000e+00 1.894908e-05      0
## CSI045 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI056 0.000000e+00 0.000000e+00 0.000000e+00 0.000000e+00      0
## CSI066 0.000000e+00 0.000000e+00 0.000000e+00 1.916847e-05      0
##      0tu06285 0tu06286 0tu06287 0tu06288 0tu06289 0tu06290 0tu06291
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0

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##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu06292	0tu06293	0tu06294	0tu06295	0tu06296	0tu06297
##	CSI002	0	0	1.362194e-05	0.000000e+00	0	0
##	CSI013	0	0	0.000000e+00	3.195807e-05	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	0.000000e+00	1.894908e-05	0	0
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu06298	0tu06299	0tu06300	0tu06301	0tu06302	0tu06303
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu06304	0tu06305	0tu06306	0tu06307	0tu06308	0tu06309
##	CSI002	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	9.587421e-05	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	6.530186e-05	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##		0tu06310	0tu06311	0tu06312	0tu06313	0tu06314	0tu06315
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	3.789817e-05	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu06317	0tu06318	0tu06319	0tu06320	0tu06321	0tu06322
##	CSI002	1.362194e-05	0	0.000000e+00	0	0	0
##	CSI013	3.195807e-05	0	3.195807e-05	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu06323	0tu06324	0tu06325	0tu06326	0tu06327	0tu06328
##	CSI002	0	0	0	0	0	1.362194e-05
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	1.326436e-04
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu06330	0tu06331	0tu06332	0tu06333	0tu06334	0tu06335

##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00		
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	9.587421e-05		
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00		
##	CSI034	7.579634e-05	0	0.000000e+00	0	0	3.789817e-05		
##	CSI045	0.000000e+00	0	3.265093e-05	0	0	0.000000e+00		
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00		
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00		
##		0tu06336	0tu06337	0tu06338	0tu06339	0tu06340	0tu06341	0tu06342	
##	CSI002	0	0	0	0.000000e+00	0	0	0	
##	CSI013	0	0	0	0.000000e+00	0	0	0	
##	CSI023	0	0	0	0.000000e+00	0	0	0	
##	CSI034	0	0	0	3.789817e-05	0	0	0	
##	CSI045	0	0	0	0.000000e+00	0	0	0	
##	CSI056	0	0	0	0.000000e+00	0	0	0	
##	CSI066	0	0	0	0.000000e+00	0	0	0	
##		0tu06343	0tu06344	0tu06345	0tu06346	0tu06347		0tu06348	
##	CSI002	0	0	0	0.000000e+00	0	0.000000e+00		
##	CSI013	0	0	0	0.000000e+00	0	1.597904e-04		
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00		
##	CSI034	0	0	0	0.000000e+00	0	0.000000e+00		
##	CSI045	0	0	0	0.000000e+00	0	3.265093e-05		
##	CSI056	0	0	0	0.000000e+00	0	0.000000e+00		
##	CSI066	0	0	0	1.916847e-05	0	0.000000e+00		
##		0tu06349	0tu06350	0tu06351	0tu06352	0tu06353		0tu06354	0tu06355
##	CSI002	0	0	0	0	0	0.000000e+00		0
##	CSI013	0	0	0	0	0	0.000000e+00		0
##	CSI023	0	0	0	0	0	0.000000e+00		0
##	CSI034	0	0	0	0	0	0.000000e+00		0
##	CSI045	0	0	0	0	0	0.000000e+00		0
##	CSI056	0	0	0	0	0	3.918572e-05		0
##	CSI066	0	0	0	0	0	0.000000e+00		0
##		0tu06356		0tu06357	0tu06358	0tu06359	0tu06360	0tu06361	0tu06362
##	CSI002	0	0.000000e+00		0	0	0	0	0
##	CSI013	0	0.000000e+00		0	0	0	0	0
##	CSI023	0	0.000000e+00		0	0	0	0	0
##	CSI034	0	0.000000e+00		0	0	0	0	0
##	CSI045	0	0.000000e+00		0	0	0	0	0
##	CSI056	0	0.000000e+00		0	0	0	0	0
##	CSI066	0	0.000000e+00		0	0	0	0	0
##			0tu06363	0tu06364		0tu06365	0tu06366		0tu06367
##	CSI002	0.000000e+00		0	1.362194e-05	0.000000e+00	0.000000e+00		0.000000e+00
##	CSI013	0.000000e+00		0	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00
##	CSI023	0.000000e+00		0	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00
##	CSI034	3.789817e-05		0	1.894908e-05	0.000000e+00	0.000000e+00		0.000000e+00
##	CSI045	0.000000e+00		0	0.000000e+00	6.530186e-05	0.000000e+00		0.000000e+00
##	CSI056	0.000000e+00		0	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00
##	CSI066	0.000000e+00		0	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00
##			0tu06368	0tu06369	0tu06370	0tu06371		0tu06372	0tu06373
##	CSI002	0		0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0		0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	0		0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0		0	0	0	0.000000e+00	0.000000e+00	
##	CSI045	0		0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0		0	0	0	0.000000e+00	0.000000e+00	

##	CSI066	0	0	0	0	0.000000e+00	1.916847e-05
##		0tu06374	0tu06375	0tu06376	0tu06377	0tu06378	0tu06379
##	CSI002	0	0	0	0	0	0.0001089755
##	CSI013	0	0	0	0	0	0.0000000000
##	CSI023	0	0	0	0	0	0.0000000000
##	CSI034	0	0	0	0	0	0.0000000000
##	CSI045	0	0	0	0	0	0.0000000000
##	CSI056	0	0	0	0	0	0.0000000000
##	CSI066	0	0	0	0	0	0.0000000000
##		0tu06381	0tu06382	0tu06383	0tu06384	0tu06385	0tu06386
##	CSI002	0.000000e+00	1.362194e-05	0	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	1.894908e-05	3.789817e-05	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu06387	0tu06388	0tu06389	0tu06390	0tu06391	0tu06392
##	CSI002	2.724387e-05	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	3.789817e-05	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu06393	0tu06394	0tu06395	0tu06396	0tu06397	0tu06398
##	CSI002	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	7.579634e-05	0	0	0	0	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0	3.265093e-05
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu06399	0tu06400	0tu06401	0tu06402	0tu06403	0tu06404
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	3.833694e-05	0	0	0	0	0
##		0tu06406	0tu06407	0tu06408	0tu06409	0tu06410	0tu06411
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu06413	0tu06414	0tu06415	0tu06416	0tu06417	0tu06418
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00

##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	5.750542e-05
##	0tu06420	0tu06421	0tu06422	0tu06423	0tu06424	0tu06425		
##	CSI002	0	1.362194e-05	1.362194e-05	0	0.0000000000	0	
##	CSI013	0	0.000000e+00	0.000000e+00	0	0.0000000000	0	
##	CSI023	0	0.000000e+00	0.000000e+00	0	0.0000000000	0	
##	CSI034	0	0.000000e+00	3.789817e-05	0	0.0000000000	0	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0.0000000000	0	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0.0000000000	0	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0.0000000000	0	
##	0tu06426	0tu06427	0tu06428	0tu06429	0tu06430	0tu06431	0tu06432	
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	1.916847e-05	0	0	0	0	0
##	0tu06433	0tu06434	0tu06435	0tu06436	0tu06437	0tu06438	0tu06439	
##	CSI002	1.362194e-05	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##	0tu06440	0tu06441	0tu06442	0tu06443	0tu06444	0tu06445		
##	CSI002	0	0	0.000000e+00	0.0000000000	0	0	
##	CSI013	0	0	0.000000e+00	0.0000000000	0	0	
##	CSI023	0	0	0.000000e+00	0.0000000000	0	0	
##	CSI034	0	0	1.894908e-05	0.0000000000	0	0	
##	CSI045	0	0	0.000000e+00	0.0000000000	0	0	
##	CSI056	0	0	0.000000e+00	0.0000000000	0	0	
##	CSI066	0	0	0.000000e+00	0.0000000000	0	0	
##	0tu06446	0tu06447	0tu06448	0tu06449	0tu06450	0tu06451		
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI013	3.195807e-05	3.195807e-05	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0	
##	0tu06452	0tu06453	0tu06454	0tu06455	0tu06456	0tu06457	0tu06458	
##	CSI002	0	0	0	0	0	0	2.724387e-05
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##	0tu06459	0tu06460	0tu06461	0tu06462	0tu06463	0tu06464		
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	0.000000e+00	0	0	0	0	0	

```

## CSI023 0.000000e+00      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0
## CSI066 1.916847e-05      0      0      0      0      0
##      0tu06465 0tu06466 0tu06467 0tu06468      0tu06469      0tu06470
## CSI002 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI013 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00      0      0      0 5.684725e-05 1.894908e-05
## CSI045 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI066 1.916847e-05      0      0      0 0.000000e+00 0.000000e+00
##      0tu06471      0tu06472 0tu06473 0tu06474 0tu06475 0tu06476
## CSI002      0 2.724387e-05      0      0      0      0
## CSI013      0 0.000000e+00      0      0      0      0
## CSI023      0 0.000000e+00      0      0      0      0
## CSI034      0 0.000000e+00      0      0      0      0
## CSI045      0 0.000000e+00      0      0      0      0
## CSI056      0 0.000000e+00      0      0      0      0
## CSI066      0 0.000000e+00      0      0      0      0
##      0tu06477 0tu06478 0tu06479 0tu06480 0tu06481 0tu06482 0tu06483
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu06484 0tu06485 0tu06486      0tu06487      0tu06488 0tu06489
## CSI002      0      0      0 1.362194e-05 2.724387e-05      0
## CSI013      0      0      0 0.000000e+00 0.000000e+00      0
## CSI023      0      0      0 0.000000e+00 0.000000e+00      0
## CSI034      0      0      0 3.789817e-05 0.000000e+00      0
## CSI045      0      0      0 0.000000e+00 0.000000e+00      0
## CSI056      0      0      0 0.000000e+00 0.000000e+00      0
## CSI066      0      0      0 0.000000e+00 0.000000e+00      0
##      0tu06490 0tu06491      0tu06492 0tu06493 0tu06494      0tu06495
## CSI002 1.362194e-05      0 0.000000e+00      0      0 0.000000e+00
## CSI013 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI023 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI034 5.684725e-05      0 0.000000e+00      0      0 0.000000e+00
## CSI045 0.000000e+00      0 0.000000e+00      0      0 0.000000e+00
## CSI056 1.959286e-05      0 0.000000e+00      0      0 3.918572e-05
## CSI066 0.000000e+00      0 1.916847e-05      0      0 0.000000e+00
##      0tu06496 0tu06497 0tu06498 0tu06499 0tu06500 0tu06501
## CSI002 0.000000e+00      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0
## CSI034 7.579634e-05      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0
##      0tu06502 0tu06503 0tu06504 0tu06505      0tu06506 0tu06507

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##	CSI002	1.362194e-05	0	0	0	0.000000e+00	0	
##	CSI013	6.391614e-05	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	1.894908e-05	0	0	0	1.894908e-05	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	1.959286e-05	0	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	
##		0tu06508	0tu06509	0tu06510	0tu06511	0tu06512	0tu06513	
##	CSI002	0.000000e+00	0.000000e+00	0	1.362194e-05	0	0	
##	CSI013	0.000000e+00	3.195807e-05	0	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI034	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##		0tu06514	0tu06515	0tu06516	0tu06517	0tu06518	0tu06519	
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI013	0	0	0	3.195807e-05	0.000000e+00	0	
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI056	0	0	0	0.000000e+00	1.959286e-05	0	
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0	
##		0tu06520	0tu06521	0tu06522	0tu06523	0tu06524	0tu06525	0tu06526
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu06527	0tu06528	0tu06529	0tu06530	0tu06531	0tu06532	
##	CSI002	0	0	0	0	2.724387e-05	0	
##	CSI013	0	0	0	0	0.000000e+00	0	
##	CSI023	0	0	0	0	0.000000e+00	0	
##	CSI034	0	0	0	0	0.000000e+00	0	
##	CSI045	0	0	0	0	0.000000e+00	0	
##	CSI056	0	0	0	0	0.000000e+00	0	
##	CSI066	0	0	0	0	0.000000e+00	0	
##		0tu06533	0tu06534	0tu06535	0tu06536	0tu06537	0tu06538	0tu06539
##	CSI002	0.0000000000	0	0	0	0	0	0
##	CSI013	0.0000000000	0	0	0	0	0	0
##	CSI023	0.0000000000	0	0	0	0	0	0
##	CSI034	0.0000000000	0	0	0	0	0	0
##	CSI045	0.0000000000	0	0	0	0	0	0
##	CSI056	0.0000000000	0	0	0	0	0	0
##	CSI066	0.0001533478	0	0	0	0	0	0
##		0tu06540	0tu06541	0tu06542	0tu06543	0tu06544	0tu06545	0tu06546
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0


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## CSI066      0 0.000000e+00      0      0      0      0      0
##      0tu06547 0tu06548 0tu06549 0tu06550      0tu06551      0tu06552
## CSI002      0      0      0      0 0.000000e+00 0.000000e+00
## CSI013      0      0      0      0 0.000000e+00 0.000000e+00
## CSI023      0      0      0      0 0.000000e+00 0.000000e+00
## CSI034      0      0      0      0 3.789817e-05 0.000000e+00
## CSI045      0      0      0      0 0.000000e+00 0.000000e+00
## CSI056      0      0      0      0 0.000000e+00 1.959286e-05
## CSI066      0      0      0      0 0.000000e+00 0.000000e+00
##      0tu06553 0tu06554 0tu06555 0tu06556 0tu06557 0tu06558 0tu06559
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu06560 0tu06561      0tu06562 0tu06563 0tu06564 0tu06565 0tu06566
## CSI002      0      0 0.000000e+00      0      0      0      0
## CSI013      0      0 6.391614e-05      0      0      0      0
## CSI023      0      0 0.000000e+00      0      0      0      0
## CSI034      0      0 0.000000e+00      0      0      0      0
## CSI045      0      0 0.000000e+00      0      0      0      0
## CSI056      0      0 0.000000e+00      0      0      0      0
## CSI066      0      0 0.000000e+00      0      0      0      0
##      0tu06567      0tu06568 0tu06569 0tu06570 0tu06571 0tu06572 0tu06573
## CSI002      0 0.000000e+00      0      0      0      0      0
## CSI013      0 0.000000e+00      0      0      0      0      0
## CSI023      0 0.000000e+00      0      0      0      0      0
## CSI034      0 1.894908e-05      0      0      0      0      0
## CSI045      0 0.000000e+00      0      0      0      0      0
## CSI056      0 0.000000e+00      0      0      0      0      0
## CSI066      0 0.000000e+00      0      0      0      0      0
##      0tu06574 0tu06575      0tu06576 0tu06577 0tu06578 0tu06579 0tu06580
## CSI002      0      0 0.000000e+00      0      0      0      0
## CSI013      0      0 0.000000e+00      0      0      0      0
## CSI023      0      0 0.000000e+00      0      0      0      0
## CSI034      0      0 7.579634e-05      0      0      0      0
## CSI045      0      0 0.000000e+00      0      0      0      0
## CSI056      0      0 0.000000e+00      0      0      0      0
## CSI066      0      0 0.000000e+00      0      0      0      0
##      0tu06581 0tu06582 0tu06583 0tu06584 0tu06585      0tu06586 0tu06587
## CSI002      0      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0      0 0.000000e+00      0
## CSI023      0      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0      0 0.000000e+00      0
## CSI045      0      0      0      0      0 0.000000e+00      0
## CSI056      0      0      0      0      0 0.000000e+00      0
## CSI066      0      0      0      0      0 0.000000e+00      0
##      0tu06588      0tu06589      0tu06590 0tu06591 0tu06592 0tu06593
## CSI002 1.362194e-05 1.362194e-05 0.000000e+00      0      0      0
## CSI013 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI023 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI034 0.000000e+00 3.789817e-05 0.000000e+00      0      0      0

```

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## CSI045 0.000000e+00 0.000000e+00 0.000000e+00      0      0      0
## CSI056 0.000000e+00 0.000000e+00 5.877858e-05      0      0      0
## CSI066 1.916847e-05 0.000000e+00 0.000000e+00      0      0      0
##      0tu06594 0tu06595 0tu06596 0tu06597      0tu06598 0tu06599 0tu06600
## CSI002      0      0      0      0 5.448775e-05      0      0
## CSI013      0      0      0      0 3.195807e-05      0      0
## CSI023      0      0      0      0 0.000000e+00      0      0
## CSI034      0      0      0      0 0.000000e+00      0      0
## CSI045      0      0      0      0 0.000000e+00      0      0
## CSI056      0      0      0      0 0.000000e+00      0      0
## CSI066      0      0      0      0 0.000000e+00      0      0
##      0tu06601 0tu06602 0tu06603 0tu06604 0tu06605 0tu06606 0tu06607
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu06608      0tu06609 0tu06610 0tu06611      0tu06612      0tu06613
## CSI002      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI013      0 0.000000e+00      0      0 3.195807e-05 0.000000e+00
## CSI023      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI034      0 0.000000e+00      0      0 3.789817e-05 0.000000e+00
## CSI045      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI056      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
## CSI066      0 0.000000e+00      0      0 0.000000e+00 0.000000e+00
##      0tu06614 0tu06615      0tu06616      0tu06617 0tu06618 0tu06619
## CSI002      0      0 6.810968e-05 0.000000e+00      0      0
## CSI013      0      0 0.000000e+00 0.000000e+00      0      0
## CSI023      0      0 0.000000e+00 0.000000e+00      0      0
## CSI034      0      0 1.894908e-05 0.000000e+00      0      0
## CSI045      0      0 0.000000e+00 0.000000e+00      0      0
## CSI056      0      0 0.000000e+00 0.000000e+00      0      0
## CSI066      0      0 0.000000e+00 0.000000e+00      0      0
##      0tu06620 0tu06621 0tu06622 0tu06623 0tu06624 0tu06625 0tu06626
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu06627      0tu06628      0tu06629 0tu06630 0tu06631 0tu06632
## CSI002      0 0.000000e+00 0.000000e+00      0      0      0
## CSI013      0 0.000000e+00 0.000000e+00      0      0      0
## CSI023      0 0.000000e+00 0.000000e+00      0      0      0
## CSI034      0 0.000000e+00 1.894908e-05      0      0      0
## CSI045      0 0.000000e+00 0.000000e+00      0      0      0
## CSI056      0 1.959286e-05 3.918572e-05      0      0      0
## CSI066      0 0.000000e+00 0.000000e+00      0      0      0
##      0tu06633 0tu06634 0tu06635      0tu06636 0tu06637 0tu06638 0tu06639
## CSI002      0      0      0 0.000000e+00      0      0      0
## CSI013      0      0      0 0.000000e+00      0      0      0

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##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	3.789817e-05	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu06640	0tu06641	0tu06642	0tu06643	0tu06644	0tu06645	
##	CSI002	0	0	0	1.362194e-05	0	2.724387e-05	
##	CSI013	0	0	0	3.195807e-05	0	0.000000e+00	
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI034	0	0	0	0.000000e+00	0	3.789817e-05	
##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0	0	0	0.000000e+00	0	0.000000e+00	
##		0tu06646	0tu06647	0tu06648	0tu06649	0tu06650	0tu06651	0tu06652
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu06653	0tu06654	0tu06655	0tu06656	0tu06657	0tu06658	
##	CSI002	1.362194e-05	0	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0	0	5.684725e-05	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	
##		0tu06659	0tu06660	0tu06661	0tu06662	0tu06663		
##	CSI002	0.000000e+00	0	0.000000e+00	0.0000000000	0.000000e+00		
##	CSI013	0.000000e+00	0	3.195807e-05	0.0000000000	0.000000e+00		
##	CSI023	0.000000e+00	0	0.000000e+00	0.0000000000	0.000000e+00		
##	CSI034	1.894908e-05	0	0.000000e+00	0.0000000000	0.000000e+00		
##	CSI045	0.000000e+00	0	0.000000e+00	0.0000000000	0.000000e+00		
##	CSI056	0.000000e+00	0	0.000000e+00	0.0000000000	0.000000e+00		
##	CSI066	0.000000e+00	0	0.000000e+00	0.0000000000	0.000000e+00		
##		0tu06664	0tu06665	0tu06666	0tu06667	0tu06668	0tu06669	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI013	3.195807e-05	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0	0	3.789817e-05	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	1.959286e-05	0	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	
##		0tu06670	0tu06671	0tu06672	0tu06673	0tu06674	0tu06675	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##	CSI034	3.789817e-05	0	0	5.684725e-05	0	0.000000e+00	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##		0tu06676	0tu06677	0tu06678	0tu06679	0tu06680	0tu06681	

##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	3.789817e-05	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu06682	0tu06683	0tu06684	0tu06685	0tu06686	0tu06687
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI013	6.391614e-05	0	0	0	9.587421e-05	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	1.959286e-05
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##		0tu06688	0tu06689	0tu06690	0tu06691	0tu06692	0tu06693 0tu06694
##	CSI002	0	0	0	0	0	0.000000e+00 0
##	CSI013	0	0	0	0	0	0.000000e+00 0
##	CSI023	0	0	0	0	0	0.000000e+00 0
##	CSI034	0	0	0	0	0	0.000000e+00 0
##	CSI045	0	0	0	0	0	0.000000e+00 0
##	CSI056	0	0	0	0	0	0.000000e+00 0
##	CSI066	0	0	0	0	0	0.000000e+00 0
##		0tu06695	0tu06696	0tu06697	0tu06698	0tu06699	0tu06700
##	CSI002	0.000000e+00	1.362194e-05	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0.000000e+00	0	3.789817e-05	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0
##		0tu06701	0tu06702	0tu06703	0tu06704	0tu06705	0tu06706 0tu06707
##	CSI002	0	0	0	0	4.086581e-05	0 0
##	CSI013	0	0	0	0	0.000000e+00	0 0
##	CSI023	0	0	0	0	0.000000e+00	0 0
##	CSI034	0	0	0	0	7.579634e-05	0 0
##	CSI045	0	0	0	0	0.000000e+00	0 0
##	CSI056	0	0	0	0	0.000000e+00	0 0
##	CSI066	0	0	0	0	0.000000e+00	0 0
##		0tu06708	0tu06709	0tu06710	0tu06711	0tu06712	0tu06713
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	5.750542e-05	0	0
##		0tu06714	0tu06715	0tu06716	0tu06717	0tu06718	0tu06719 0tu06720
##	CSI002	0.000000e+00	0	0	0	0	0 0
##	CSI013	0.000000e+00	0	0	0	0	0 0
##	CSI023	0.000000e+00	0	0	0	0	0 0
##	CSI034	0.000000e+00	0	0	0	0	0 0
##	CSI045	3.265093e-05	0	0	0	0	0 0
##	CSI056	0.000000e+00	0	0	0	0	0 0

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## CSI066 1.916847e-05      0      0      0      0      0      0
##      0tu06721 0tu06722 0tu06723 0tu06724 0tu06725 0tu06726      0tu06727
## CSI002      0      0      0      0      0      0 0.000000e+00
## CSI013      0      0      0      0      0      0 0.000000e+00
## CSI023      0      0      0      0      0      0 0.000000e+00
## CSI034      0      0      0      0      0      0 0.000000e+00
## CSI045      0      0      0      0      0      0 0.000000e+00
## CSI056      0      0      0      0      0      0 0.000000e+00
## CSI066      0      0      0      0      0      0 0.000000e+00
##      0tu06728 0tu06729 0tu06730      0tu06731 0tu06732      0tu06733
## CSI002      0      0      0 0.000000e+00      0 0.000000e+00
## CSI013      0      0      0 0.000000e+00      0 0.000000e+00
## CSI023      0      0      0 0.000000e+00      0 0.000000e+00
## CSI034      0      0      0 0.000000e+00      0 0.000000e+00
## CSI045      0      0      0 0.000000e+00      0 0.000000e+00
## CSI056      0      0      0 1.959286e-05      0 0.000000e+00
## CSI066      0      0      0 0.000000e+00      0 0.000000e+00
##      0tu06734 0tu06735 0tu06736 0tu06737      0tu06738 0tu06739
## CSI002      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0 0.000000e+00      0
## CSI023      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0 0.000000e+00      0
## CSI045      0      0      0      0 0.000000e+00      0
## CSI056      0      0      0      0 0.000000e+00      0
## CSI066      0      0      0      0 0.000000e+00      0
##      0tu06740 0tu06741 0tu06742 0tu06743 0tu06744 0tu06745 0tu06746
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 3.195807e-05      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 1.894908e-05      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu06747      0tu06748 0tu06749 0tu06750 0tu06751 0tu06752 0tu06753
## CSI002      0 0.000000e+00      0      0      0      0      0
## CSI013      0 0.000000e+00      0      0      0      0      0
## CSI023      0 0.000000e+00      0      0      0      0      0
## CSI034      0 0.000000e+00      0      0      0      0      0
## CSI045      0 0.000000e+00      0      0      0      0      0
## CSI056      0 0.000000e+00      0      0      0      0      0
## CSI066      0 1.916847e-05      0      0      0      0      0
##      0tu06754 0tu06755 0tu06756      0tu06757 0tu06758      0tu06759
## CSI002      0      0      0 0.000000e+00      0 0.000000e+00
## CSI013      0      0      0 0.000000e+00      0 0.000000e+00
## CSI023      0      0      0 0.000000e+00      0 0.000000e+00
## CSI034      0      0      0 0.000000e+00      0 0.000000e+00
## CSI045      0      0      0 0.000000e+00      0 0.000000e+00
## CSI056      0      0      0 0.000000e+00      0 0.000000e+00
## CSI066      0      0      0 0.000000e+00      0 0.000000e+00
##      0tu06760 0tu06761 0tu06762 0tu06763 0tu06764      0tu06765
## CSI002 0.000000e+00      0      0      0      0 1.362194e-05
## CSI013 0.000000e+00      0      0      0      0 0.000000e+00
## CSI023 0.000000e+00      0      0      0      0 0.000000e+00
## CSI034 0.000000e+00      0      0      0      0 0.000000e+00

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## CSI045 0.000000e+00      0      0      0      0 0.000000e+00
## CSI056 0.000000e+00      0      0      0      0 0.000000e+00
## CSI066 0.000000e+00      0      0      0      0 1.916847e-05
##      0tu06766 0tu06767      0tu06768      0tu06769 0tu06770 0tu06771
## CSI002 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI013 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI034 5.684725e-05      0 0.000000e+00 1.894908e-05      0      0
## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI056 0.000000e+00      0 3.918572e-05 0.000000e+00      0      0
## CSI066 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
##      0tu06772 0tu06773 0tu06774      0tu06775      0tu06776 0tu06777
## CSI002      0      0      0 0.0000000000 4.086581e-05      0
## CSI013      0      0      0 0.0000000000 0.000000e+00      0
## CSI023      0      0      0 0.0000000000 0.000000e+00      0
## CSI034      0      0      0 0.0001515927 0.000000e+00      0
## CSI045      0      0      0 0.0000000000 0.000000e+00      0
## CSI056      0      0      0 0.0000000000 0.000000e+00      0
## CSI066      0      0      0 0.0000000000 0.000000e+00      0
##      0tu06778      0tu06779 0tu06780      0tu06781 0tu06782
## CSI002 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI013 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI023 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI034 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI045 0.000000e+00 0.000000e+00      0 6.530186e-05      0
## CSI056 1.959286e-05 1.959286e-05      0 1.959286e-05      0
## CSI066 0.000000e+00 3.833694e-05      0 0.000000e+00      0
##      0tu06783 0tu06784 0tu06785 0tu06786 0tu06787 0tu06788 0tu06789
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu06790 0tu06791 0tu06792      0tu06793      0tu06794      0tu06795
## CSI002      0      0      0 8.173162e-05 4.086581e-05 0.000000e+00
## CSI013      0      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI023      0      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034      0      0      0 1.894908e-05 0.000000e+00 0.000000e+00
## CSI045      0      0      0 0.000000e+00 0.000000e+00 3.265093e-05
## CSI056      0      0      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI066      0      0      0 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu06796 0tu06797      0tu06798 0tu06799 0tu06800 0tu06801 0tu06802
## CSI002      0      0 0.000000e+00      0      0      0      0
## CSI013      0      0 0.000000e+00      0      0      0      0
## CSI023      0      0 0.000000e+00      0      0      0      0
## CSI034      0      0 0.000000e+00      0      0      0      0
## CSI045      0      0 0.000000e+00      0      0      0      0
## CSI056      0      0 0.000000e+00      0      0      0      0
## CSI066      0      0 0.000000e+00      0      0      0      0
##      0tu06803 0tu06804 0tu06805 0tu06806 0tu06807      0tu06808
## CSI002 0.000000e+00      0      0      0      0 0.000000e+00
## CSI013 0.000000e+00      0      0      0      0 0.000000e+00

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## CSI023 0.000000e+00      0      0      0      0 0.000000e+00
## CSI034 1.894908e-05      0      0      0      0 0.000000e+00
## CSI045 0.000000e+00      0      0      0      0 0.000000e+00
## CSI056 0.000000e+00      0      0      0      0 0.000000e+00
## CSI066 0.000000e+00      0      0      0      0 0.000000e+00
##      0tu06809 0tu06810 0tu06811 0tu06812      0tu06813 0tu06814
## CSI002 0.000000e+00      0      0      0 2.724387e-05      0
## CSI013 0.000000e+00      0      0      0 0.000000e+00      0
## CSI023 0.000000e+00      0      0      0 6.123074e-05      0
## CSI034 0.000000e+00      0      0      0 0.000000e+00      0
## CSI045 0.000000e+00      0      0      0 0.000000e+00      0
## CSI056 1.959286e-05      0      0      0 0.000000e+00      0
## CSI066 0.000000e+00      0      0      0 0.000000e+00      0
##      0tu06815 0tu06816      0tu06817 0tu06818 0tu06819      0tu06820
## CSI002      0      0 0.000000e+00      0      0 0.0000000000
## CSI013      0      0 0.000000e+00      0      0 0.0000000000
## CSI023      0      0 0.000000e+00      0      0 0.0000000000
## CSI034      0      0 0.000000e+00      0      0 0.0001326436
## CSI045      0      0 0.000000e+00      0      0 0.0000000000
## CSI056      0      0 0.000000e+00      0      0 0.0000000000
## CSI066      0      0 3.833694e-05      0      0 0.0000000000
##      0tu06821 0tu06822      0tu06823 0tu06824      0tu06825 0tu06826
## CSI002      0      0 0.000000e+00      0 0.0000000000      0
## CSI013      0      0 0.000000e+00      0 0.0000000000      0
## CSI023      0      0 0.000000e+00      0 0.0000000000      0
## CSI034      0      0 3.789817e-05      0 0.0000000000      0
## CSI045      0      0 0.000000e+00      0 0.0000000000      0
## CSI056      0      0 0.000000e+00      0 0.0000000000      0
## CSI066      0      0 0.000000e+00      0 0.0000000000      0
##      0tu06827 0tu06828 0tu06829      0tu06830 0tu06831 0tu06832 0tu06833
## CSI002      0      0      0 0.000000e+00      0      0      0
## CSI013      0      0      0 0.000000e+00      0      0      0
## CSI023      0      0      0 0.000000e+00      0      0      0
## CSI034      0      0      0 1.894908e-05      0      0      0
## CSI045      0      0      0 0.000000e+00      0      0      0
## CSI056      0      0      0 0.000000e+00      0      0      0
## CSI066      0      0      0 0.000000e+00      0      0      0
##      0tu06834      0tu06835 0tu06836 0tu06837      0tu06838 0tu06839
## CSI002      0 0.000000e+00      0      0 0.000000e+00      0
## CSI013      0 0.000000e+00      0      0 0.000000e+00      0
## CSI023      0 0.000000e+00      0      0 0.000000e+00      0
## CSI034      0 0.000000e+00      0      0 0.000000e+00      0
## CSI045      0 0.000000e+00      0      0 0.000000e+00      0
## CSI056      0 0.000000e+00      0      0 0.000000e+00      0
## CSI066      0 0.000000e+00      0      0 0.000000e+00      0
##      0tu06840 0tu06841 0tu06842 0tu06843 0tu06844 0tu06845 0tu06846
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu06847      0tu06848 0tu06849 0tu06850 0tu06851 0tu06852 0tu06853

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##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	1.894908e-05	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu06854	0tu06855	0tu06856	0tu06857	0tu06858	0tu06859	0tu06860
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu06861	0tu06862	0tu06863	0tu06864	0tu06865	0tu06866	0tu06867
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	3.789817e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu06868	0tu06869	0tu06870	0tu06871	0tu06872	0tu06873	
##	CSI002	0	0	0	0.000000e+00	0.0000000000	0	
##	CSI013	0	0	0	0.000000e+00	0.0000000000	0	
##	CSI023	0	0	0	0.000000e+00	0.0000000000	0	
##	CSI034	0	0	0	0.000000e+00	0.0000000000	0	
##	CSI045	0	0	0	3.265093e-05	0.0000000000	0	
##	CSI056	0	0	0	0.000000e+00	0.0000000000	0	
##	CSI066	0	0	0	0.000000e+00	0.0000000000	0	
##		0tu06874	0tu06875	0tu06876	0tu06877	0tu06878	0tu06879	
##	CSI002	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0	0	3.265093e-05	0.000000e+00	
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00	
##		0tu06880	0tu06881	0tu06882	0tu06883	0tu06884	0tu06885	0tu06886
##	CSI002	0	0	0	0	0	1.362194e-05	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	3.789817e-05	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu06887	0tu06888	0tu06889	0tu06890	0tu06891	0tu06892	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	7.579634e-05	
##	CSI045	6.530186e-05	0	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	


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## CSI066 0.000000e+00      0      0 0.000000e+00      0 0.000000e+00
##      0tu06893 0tu06894 0tu06895 0tu06896 0tu06897 0tu06898 0tu06899
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu06900 0tu06901 0tu06902 0tu06903 0tu06904 0tu06905      0tu06906
## CSI002      0      0      0      0      0      0 0.000000e+00
## CSI013      0      0      0      0      0      0 0.000000e+00
## CSI023      0      0      0      0      0      0 0.000000e+00
## CSI034      0      0      0      0      0      0 1.894908e-05
## CSI045      0      0      0      0      0      0 0.000000e+00
## CSI056      0      0      0      0      0      0 0.000000e+00
## CSI066      0      0      0      0      0      0 0.000000e+00
##      0tu06907 0tu06908 0tu06909 0tu06910 0tu06911 0tu06912 0tu06913
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 7.579634e-05      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu06914 0tu06915      0tu06916      0tu06917 0tu06918 0tu06919
## CSI002      0      0 0.0001089755 2.724387e-05      0      0
## CSI013      0      0 0.0000000000 0.000000e+00      0      0
## CSI023      0      0 0.0000000000 0.000000e+00      0      0
## CSI034      0      0 0.0000000000 0.000000e+00      0      0
## CSI045      0      0 0.0000000000 0.000000e+00      0      0
## CSI056      0      0 0.0000000000 0.000000e+00      0      0
## CSI066      0      0 0.0000000000 0.000000e+00      0      0
##      0tu06920 0tu06921      0tu06922      0tu06923      0tu06924
## CSI002 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI013 0.000000e+00      0 0.000000e+00 0.000000e+00 3.195807e-05
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 1.894908e-05      0 0.000000e+00 5.684725e-05 0.000000e+00
## CSI045 0.000000e+00      0 3.265093e-05 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI066 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
##      0tu06925 0tu06926      0tu06927 0tu06928 0tu06929 0tu06930
## CSI002 0.000000e+00      0 0.000000e+00      0      0      0
## CSI013 0.000000e+00      0 3.195807e-05      0      0      0
## CSI023 0.000000e+00      0 0.000000e+00      0      0      0
## CSI034 1.894908e-05      0 0.000000e+00      0      0      0
## CSI045 0.000000e+00      0 0.000000e+00      0      0      0
## CSI056 0.000000e+00      0 0.000000e+00      0      0      0
## CSI066 0.000000e+00      0 0.000000e+00      0      0      0
##      0tu06931 0tu06932      0tu06933 0tu06934 0tu06935      0tu06936
## CSI002      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI013      0 3.195807e-05 0.000000e+00      0      0 0.000000e+00
## CSI023      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00
## CSI034      0 0.000000e+00 0.000000e+00      0      0 0.000000e+00

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##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##		0tu06937	0tu06938	0tu06939	0tu06940	0tu06941	0tu06942	0tu06943
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu06944	0tu06945	0tu06946	0tu06947	0tu06948	0tu06949	0tu06950
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu06951	0tu06952	0tu06953	0tu06954	0tu06955	0tu06956	0tu06957
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	1.916847e-05
##		0tu06958	0tu06959	0tu06960	0tu06961	0tu06962	0tu06963	0tu06964
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	2.041025e-05
##	CSI034	0	0	0	0	0	0	3.789817e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu06965	0tu06966	0tu06967	0tu06968	0tu06969	0tu06970	0tu06971
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu06972	0tu06973	0tu06974	0tu06975	0tu06976	0tu06977	
##	CSI002	0	0	0	0	0.000000e+00	1.362194e-05	
##	CSI013	0	0	0	0	1.917484e-04	0.000000e+00	
##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00	
##		0tu06978	0tu06979	0tu06980	0tu06981	0tu06982	0tu06983	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	2.724387e-05	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	6.391614e-05	

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## CSI023 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00      0      0      0 3.789817e-05 0.000000e+00
## CSI045 0.000000e+00      0      0      0 0.000000e+00 0.000000e+00
## CSI056 5.877858e-05      0      0      0 0.000000e+00 0.000000e+00
## CSI066 1.916847e-05      0      0      0 0.000000e+00 0.000000e+00
##      0tu06984 0tu06985      0tu06986      0tu06987 0tu06988      0tu06989
## CSI002      0      0 0.000000e+00 0.000000e+00      0 1.362194e-05
## CSI013      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI023      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI034      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI045      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI056      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
## CSI066      0      0 0.000000e+00 0.000000e+00      0 0.000000e+00
##      0tu06990 0tu06991 0tu06992 0tu06993 0tu06994 0tu06995 0tu06996
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu06997 0tu06998      0tu06999      0tu07000 0tu07001 0tu07002
## CSI002 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI013 0.000000e+00      0 3.195807e-05 0.000000e+00      0      0
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI034 0.000000e+00      0 1.894908e-05 0.000000e+00      0      0
## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00      0      0
## CSI056 0.000000e+00      0 0.000000e+00 1.959286e-05      0      0
## CSI066 1.916847e-05      0 0.000000e+00 0.000000e+00      0      0
##      0tu07003 0tu07004 0tu07005      0tu07006 0tu07007 0tu07008
## CSI002 0.0001089755      0      0 0.000000e+00      0      0
## CSI013 0.0000000000      0      0 0.000000e+00      0      0
## CSI023 0.0000000000      0      0 0.000000e+00      0      0
## CSI034 0.0000000000      0      0 0.000000e+00      0      0
## CSI045 0.0000000000      0      0 0.000000e+00      0      0
## CSI056 0.0000000000      0      0 0.000000e+00      0      0
## CSI066 0.0000000000      0      0 0.000000e+00      0      0
##      0tu07009      0tu07010 0tu07011      0tu07012 0tu07013
## CSI002 6.810968e-05 4.086581e-05      0 1.362194e-05      0
## CSI013 6.391614e-05 0.000000e+00      0 0.000000e+00      0
## CSI023 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI034 0.000000e+00 0.000000e+00      0 5.684725e-05      0
## CSI045 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI056 0.000000e+00 0.000000e+00      0 0.000000e+00      0
## CSI066 0.000000e+00 0.000000e+00      0 0.000000e+00      0
##      0tu07014 0tu07015 0tu07016 0tu07017      0tu07018 0tu07019
## CSI002 0.000000e+00      0      0      0 0.000000e+00      0
## CSI013 3.195807e-05      0      0      0 0.000000e+00      0
## CSI023 0.000000e+00      0      0      0 0.000000e+00      0
## CSI034 3.789817e-05      0      0      0 0.000000e+00      0
## CSI045 0.000000e+00      0      0      0 3.265093e-05      0
## CSI056 0.000000e+00      0      0      0 0.000000e+00      0
## CSI066 0.000000e+00      0      0      0 0.000000e+00      0
##      0tu07020 0tu07021 0tu07022 0tu07023 0tu07024      0tu07025 0tu07026

```

##	CSI002	0	0	0	0	0	1.362194e-05	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##	0tu07027	0tu07028	0tu07029	0tu07030	0tu07031	0tu07032		
##	CSI002	0	0.000000e+00	0	1.362194e-05	0	0.000000e+00	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI034	0	3.789817e-05	0	0.000000e+00	0	0.000000e+00	
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	1.959286e-05	
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	0tu07033	0tu07034	0tu07035	0tu07036	0tu07037	0tu07038	0tu07039	
##	CSI002	0	0	0	0	0	0.000000e+00	
##	CSI013	0	0	0	0	0	0.000000e+00	
##	CSI023	0	0	0	0	0	0.000000e+00	
##	CSI034	0	0	0	0	0	0.000000e+00	
##	CSI045	0	0	0	0	0	0.000000e+00	
##	CSI056	0	0	0	0	0	5.877858e-05	
##	CSI066	0	0	0	0	0	0.000000e+00	
##	0tu07040	0tu07041	0tu07042	0tu07043	0tu07044	0tu07045		
##	CSI002	0	0.000000e+00	0	0	0	1.362194e-05	
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00	
##	0tu07046	0tu07047	0tu07048	0tu07049	0tu07050	0tu07051		
##	CSI002	0	0	0.000000e+00	0.0000000000	0	0	
##	CSI013	0	0	0.000000e+00	0.0000000000	0	0	
##	CSI023	0	0	0.000000e+00	0.0000000000	0	0	
##	CSI034	0	0	0.000000e+00	0.0000000000	0	0	
##	CSI045	0	0	0.000000e+00	0.0000000000	0	0	
##	CSI056	0	0	1.959286e-05	0.0000000000	0	0	
##	CSI066	0	0	0.000000e+00	0.0000000000	0	0	
##	0tu07052	0tu07053	0tu07054	0tu07055	0tu07056	0tu07057	0tu07058	
##	CSI002	0	0	0	0	0	0	
##	CSI013	0	0	0	0	0	0	
##	CSI023	0	0	0	0	0	0	
##	CSI034	0	0	0	0	0	0	
##	CSI045	0	0	0	0	0	0	
##	CSI056	0	0	0	0	0	0	
##	CSI066	0	0	0	0	0	0	
##	0tu07059	0tu07060	0tu07061	0tu07062	0tu07063	0tu07064	0tu07065	
##	CSI002	0	0.000000e+00	0	0	0	0	
##	CSI013	0	0.000000e+00	0	0	0	0	
##	CSI023	0	0.000000e+00	0	0	0	0	
##	CSI034	0	0.000000e+00	0	0	0	0	
##	CSI045	0	0.000000e+00	0	0	0	0	
##	CSI056	0	0.000000e+00	0	0	0	0	

##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu07066	0tu07067	0tu07068	0tu07069	0tu07070	0tu07071	
##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI034	0	3.789817e-05	0	0.000000e+00	0	0	
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0	
##		0tu07072	0tu07073	0tu07074	0tu07075	0tu07076	0tu07077	0tu07078
##	CSI002	0	0	0	2.724387e-05	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu07079	0tu07080	0tu07081	0tu07082	0tu07083	0tu07084	
##	CSI002	0	0.000000e+00	0	0	0	0	
##	CSI013	0	0.000000e+00	0	0	0	0	
##	CSI023	0	0.000000e+00	0	0	0	0	
##	CSI034	0	0.000000e+00	0	0	0	0	
##	CSI045	0	0.000000e+00	0	0	0	0	
##	CSI056	0	0.000000e+00	0	0	0	0	
##	CSI066	0	0.000000e+00	0	0	0	0	
##		0tu07085	0tu07086	0tu07087	0tu07088	0tu07089	0tu07090	
##	CSI002	0.0000000000	0	0.000000e+00	0	0	0	
##	CSI013	0.0001917484	0	0.000000e+00	0	0	0	
##	CSI023	0.0000000000	0	2.041025e-05	0	0	0	
##	CSI034	0.0000000000	0	0.000000e+00	0	0	0	
##	CSI045	0.0000000000	0	0.000000e+00	0	0	0	
##	CSI056	0.0000000000	0	0.000000e+00	0	0	0	
##	CSI066	0.0000000000	0	0.000000e+00	0	0	0	
##		0tu07091	0tu07092	0tu07093	0tu07094	0tu07095	0tu07096	0tu07097
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu07098	0tu07099	0tu07100	0tu07101	0tu07102	0tu07103	
##	CSI002	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI034	1.894908e-05	0	0	0	0	1.894908e-05	
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00	
##		0tu07104	0tu07105	0tu07106	0tu07107	0tu07108	0tu07109	0tu07110
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	3.789817e-05

##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu07111	0tu07112	0tu07113	0tu07114	0tu07115	0tu07116	0tu07117
##	CSI002	0	0	1.362194e-05	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu07118	0tu07119	0tu07120	0tu07121	0tu07122	0tu07123	
##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI034	0	0.000000e+00	0	0.000000e+00	0	1.894908e-05	
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0	1.959286e-05	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##		0tu07124	0tu07125	0tu07126	0tu07127	0tu07128	0tu07129	0tu07130
##	CSI002	0	0	2.724387e-05	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu07131	0tu07132	0tu07133	0tu07134	0tu07135	0tu07136	0tu07137
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	1.894908e-05	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu07138	0tu07139	0tu07140	0tu07141	0tu07142	0tu07143	
##	CSI002	0	0	0	0	0.000000e+00	0	
##	CSI013	0	0	0	0	0.000000e+00	0	
##	CSI023	0	0	0	0	0.000000e+00	0	
##	CSI034	0	0	0	0	0.000000e+00	0	
##	CSI045	0	0	0	0	0.000000e+00	0	
##	CSI056	0	0	0	0	0.000000e+00	0	
##	CSI066	0	0	0	0	0.000000e+00	0	
##		0tu07144	0tu07145	0tu07146	0tu07147	0tu07148	0tu07149	
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI013	3.195807e-05	0	0.000000e+00	0	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu07150	0tu07151	0tu07152	0tu07153	0tu07154	0tu07155	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	1.362194e-05	
##	CSI013	0.000000e+00	0	0	0	6.391614e-05	0.000000e+00	

##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI034	0.000000e+00	0	0	0	1.894908e-05	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	1.959286e-05	0	0	0	0.000000e+00	0.000000e+00
##	CSI066	3.833694e-05	0	0	0	0.000000e+00	0.000000e+00
##		0tu07156	0tu07157	0tu07158	0tu07159	0tu07160	0tu07161
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI045	0	0.000000e+00	3.265093e-05	0	0	0
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0	0.000000e+00	1.916847e-05	0	0	0
##		0tu07162	0tu07163	0tu07164	0tu07165	0tu07166	0tu07167
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu07169	0tu07170	0tu07171	0tu07172	0tu07173	0tu07174
##	CSI002	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	1.894908e-05	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##		0tu07176	0tu07177	0tu07178	0tu07179	0tu07180	0tu07181
##	CSI002	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	2.041025e-05	0.000000e+00	0
##	CSI034	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	6.530186e-05	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0.000000e+00	0
##		0tu07182	0tu07183	0tu07184	0tu07185	0tu07186	0tu07187
##	CSI002	0	0.0000000000	0.000000e+00	0	0	0
##	CSI013	0	0.0000000000	9.587421e-05	0	0	0
##	CSI023	0	0.0000000000	0.000000e+00	0	0	0
##	CSI034	0	0.0001136945	0.000000e+00	0	0	0
##	CSI045	0	0.0000000000	0.000000e+00	0	0	0
##	CSI056	0	0.0000000000	0.000000e+00	0	0	0
##	CSI066	0	0.0000000000	0.000000e+00	0	0	0
##		0tu07188	0tu07189	0tu07190	0tu07191	0tu07192	
##	CSI002	0.0000000000	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0.0000000000	0.000000e+00	0	3.195807e-05	0	
##	CSI023	0.0000000000	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0.0000000000	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0.0000000000	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0.0000000000	0.000000e+00	0	0.000000e+00	0	
##	CSI066	0.0001150108	0.000000e+00	0	0.000000e+00	0	
##		0tu07193	0tu07194	0tu07195	0tu07196	0tu07197	0tu07198

##	CSI002	1.362194e-05	0	0.000000e+00	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	3.195807e-05	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	1.894908e-05	0	0.000000e+00	0	3.789817e-05	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	1.916847e-05	0	0.000000e+00	0
##		0tu07199	0tu07200	0tu07201	0tu07202	0tu07203	0tu07204 0tu07205
##	CSI002	0	0	0	0	0	0.000000e+00 0
##	CSI013	0	0	0	0	0	3.195807e-05 0
##	CSI023	0	0	0	0	0	0.000000e+00 0
##	CSI034	0	0	0	0	0	1.894908e-05 0
##	CSI045	0	0	0	0	0	0.000000e+00 0
##	CSI056	0	0	0	0	0	0.000000e+00 0
##	CSI066	0	0	0	0	0	0.000000e+00 0
##		0tu07206	0tu07207	0tu07208	0tu07209	0tu07210	0tu07211 0tu07212
##	CSI002	0	0	0	0	0	0.000000e+00 0
##	CSI013	0	0	0	0	0	0.000000e+00 0
##	CSI023	0	0	0	0	0	0.000000e+00 0
##	CSI034	0	0	0	0	0	0.000000e+00 0
##	CSI045	0	0	0	0	0	0.000000e+00 0
##	CSI056	0	0	0	0	0	0.000000e+00 0
##	CSI066	0	0	0	0	0	1.916847e-05 0
##		0tu07213	0tu07214	0tu07215	0tu07216	0tu07217	0tu07218
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI034	0	0	0	1.894908e-05	0.000000e+00	0
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu07219	0tu07220	0tu07221	0tu07222	0tu07223	0tu07224 0tu07225
##	CSI002	0	0.000000e+00	0	0	0	0 0
##	CSI013	0	0.000000e+00	0	0	0	0 0
##	CSI023	0	0.000000e+00	0	0	0	0 0
##	CSI034	0	1.894908e-05	0	0	0	0 0
##	CSI045	0	0.000000e+00	0	0	0	0 0
##	CSI056	0	0.000000e+00	0	0	0	0 0
##	CSI066	0	0.000000e+00	0	0	0	0 0
##		0tu07226	0tu07227	0tu07228	0tu07229	0tu07230	0tu07231
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu07232	0tu07233	0tu07234	0tu07235	0tu07236	
##	CSI002	0.0000000000	0	0.000000e+00	0.000000e+00	0	
##	CSI013	0.0000000000	0	0.000000e+00	0.000000e+00	0	
##	CSI023	0.0000000000	0	0.000000e+00	0.000000e+00	0	
##	CSI034	0.0001326436	0	0.000000e+00	0.000000e+00	0	
##	CSI045	0.0000000000	0	0.000000e+00	0.000000e+00	0	
##	CSI056	0.0000000000	0	0.000000e+00	0.000000e+00	0	

##	CSI066	0.0000000000	0	0.000000e+00	0.000000e+00	0	
##		0tu07237	0tu07238	0tu07239	0tu07240	0tu07241	0tu07242
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	3.195807e-05	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	1.894908e-05	0.000000e+00	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu07243	0tu07244	0tu07245	0tu07246	0tu07247	0tu07248
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu07250	0tu07251	0tu07252	0tu07253	0tu07254	0tu07255
##	CSI002	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI013	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI034	0	0.000000e+00	0	0	1.894908e-05	0.000000e+00
##	CSI045	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##	CSI056	0	3.918572e-05	0	0	0.000000e+00	0.000000e+00
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	0.000000e+00
##		0tu07256	0tu07257	0tu07258	0tu07259	0tu07260	0tu07261
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	3.789817e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu07263	0tu07264	0tu07265	0tu07266	0tu07267	0tu07268
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu07270	0tu07271	0tu07272	0tu07273	0tu07274	0tu07275
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu07277	0tu07278	0tu07279	0tu07280	0tu07281	0tu07282
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0

##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	3.833694e-05	0	0	0	0	0
##		0tu07284	0tu07285	0tu07286	0tu07287	0tu07288	0tu07289	0tu07290
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07291	0tu07292	0tu07293	0tu07294	0tu07295	0tu07296	
##	CSI002	1.362194e-05	0	0.000000e+00	0	0	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI034	5.684725e-05	0	0.000000e+00	0	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0	1.959286e-05	0	0	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu07297	0tu07298	0tu07299	0tu07300	0tu07301	0tu07302	0tu07303
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu07304	0tu07305	0tu07306	0tu07307	0tu07308	0tu07309	0tu07310
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07311	0tu07312	0tu07313	0tu07314	0tu07315	0tu07316	0tu07317
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	7.667389e-05	0	0	0	0
##		0tu07318	0tu07319	0tu07320	0tu07321	0tu07322	0tu07323	
##	CSI002	0	4.086581e-05	0	0.000000e+00	0.000000e+00		0
##	CSI013	0	6.391614e-05	0	0.000000e+00	0.000000e+00		0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0.000000e+00		0
##	CSI034	0	0.000000e+00	0	0.000000e+00	0.000000e+00		0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0.000000e+00		0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0.000000e+00		0
##	CSI066	0	0.000000e+00	0	0.000000e+00	9.584236e-05		0
##		0tu07324	0tu07325	0tu07326	0tu07327	0tu07328	0tu07329	
##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0	

##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0	1.894908e-05	0	1.894908e-05	0	0
##	CSI045	0	3.265093e-05	0	0.000000e+00	0	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0
##		0tu07330	0tu07331	0tu07332	0tu07333	0tu07334	
##	CSI002	0	0	0.000000e+00	1.362194e-05	0.000000e+00	
##	CSI013	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI034	0	0	1.894908e-05	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0.000000e+00	0.000000e+00	1.306037e-04	
##	CSI056	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu07335	0tu07336	0tu07337	0tu07338	0tu07339	0tu07340
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu07341	0tu07342	0tu07343	0tu07344	0tu07345	0tu07346 0tu07347
##	CSI002	0	0	0	0	0	2.724387e-05 0
##	CSI013	0	0	0	0	0	0.000000e+00 0
##	CSI023	0	0	0	0	0	0.000000e+00 0
##	CSI034	0	0	0	0	0	0.000000e+00 0
##	CSI045	0	0	0	0	0	0.000000e+00 0
##	CSI056	0	0	0	0	0	1.959286e-05 0
##	CSI066	0	0	0	0	0	0.000000e+00 0
##		0tu07348	0tu07349	0tu07350	0tu07351	0tu07352	0tu07353 0tu07354
##	CSI002	0	0	0	0	0	0.000000e+00 0
##	CSI013	0	0	0	0	0	0.000000e+00 0
##	CSI023	0	0	0	0	0	0.000000e+00 0
##	CSI034	0	0	0	0	0	0.000000e+00 0
##	CSI045	0	0	0	0	0	0.000000e+00 0
##	CSI056	0	0	0	0	0	0.000000e+00 0
##	CSI066	0	0	0	0	0	0.000000e+00 0
##		0tu07355	0tu07356	0tu07357	0tu07358	0tu07359	0tu07360
##	CSI002	0	0	0.000000e+00	0	0	4.086581e-05
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	0	0.000000e+00	0	0	1.894908e-05
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0	3.918572e-05
##	CSI066	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu07361	0tu07362	0tu07363	0tu07364	0tu07365	0tu07366 0tu07367
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu07368	0tu07369	0tu07370	0tu07371	0tu07372	0tu07373

##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI066	1.916847e-05	0	0	0	0.000000e+00	0
##		0tu07374	0tu07375	0tu07376	0tu07377	0tu07378	0tu07379
##	CSI002	2.724387e-05	0	0	0.000000e+00	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	1.959286e-05
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##		0tu07380	0tu07381	0tu07382	0tu07383	0tu07384	0tu07385
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0.000000e+00	0	9.474542e-05	0	0	0.000000e+00
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	3.265093e-05
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI066	9.584236e-05	0	0.000000e+00	0	0	0.000000e+00
##		0tu07386	0tu07387	0tu07388	0tu07389	0tu07390	0tu07391
##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI045	0	0	0.000000e+00	0	0	9.795279e-05
##	CSI056	0	0	5.877858e-05	0	0	0.000000e+00
##	CSI066	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu07392	0tu07393	0tu07394	0tu07395	0tu07396	0tu07397
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	7.579634e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu07399	0tu07400	0tu07401	0tu07402	0tu07403	0tu07404
##	CSI002	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI013	0.000000e+00	0	0	3.195807e-05	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	0.000000e+00	3.789817e-05	0
##	CSI045	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0.000000e+00	0	0	0.000000e+00	0.000000e+00	0
##	CSI066	3.833694e-05	0	0	0.000000e+00	0.000000e+00	0
##		0tu07405	0tu07406	0tu07407	0tu07408	0tu07409	0tu07410
##	CSI002	0	0	1.362194e-05	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	4.082049e-05	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0

##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu07412	0tu07413	0tu07414	0tu07415	0tu07416	0tu07417	0tu07418
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	1.916847e-05	0
##		0tu07419	0tu07420	0tu07421	0tu07422	0tu07423	0tu07424	0tu07425
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	3.789817e-05	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu07426	0tu07427	0tu07428	0tu07429	0tu07430	0tu07431	0tu07432
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu07433	0tu07434	0tu07435	0tu07436	0tu07437	0tu07438	
##	CSI002	0	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI013	0	0.000000e+00	0	0	0	0	6.391614e-05
##	CSI023	0	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	0	0.000000e+00	0	0	0	0	1.894908e-05
##	CSI045	0	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0	3.918572e-05	0	0	0	0	0.000000e+00
##	CSI066	0	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu07439	0tu07440	0tu07441	0tu07442	0tu07443	0tu07444	0tu07445
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	5.750542e-05	0	0	0	0	0	0
##		0tu07446	0tu07447	0tu07448	0tu07449	0tu07450	0tu07451	0tu07452
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	6.391614e-05	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu07453	0tu07454	0tu07455	0tu07456	0tu07457	0tu07458	0tu07459
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	3.195807e-05	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0

##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu07460	0tu07461	0tu07462	0tu07463	0tu07464	0tu07465	0tu07466
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07467	0tu07468	0tu07469	0tu07470	0tu07471	0tu07472	
##	CSI002	0	0	0	0.000000e+00	0.000000e+00		0
##	CSI013	0	0	0	0.000000e+00	0.000000e+00		0
##	CSI023	0	0	0	0.000000e+00	0.000000e+00		0
##	CSI034	0	0	0	3.789817e-05	0.000000e+00		0
##	CSI045	0	0	0	0.000000e+00	0.000000e+00		0
##	CSI056	0	0	0	0.000000e+00	0.000000e+00		0
##	CSI066	0	0	0	0.000000e+00	1.916847e-05		0
##		0tu07473	0tu07474	0tu07475	0tu07476	0tu07477	0tu07478	0tu07479
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	1.894908e-05	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu07480	0tu07481	0tu07482	0tu07483	0tu07484	0tu07485	0tu07486
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07487	0tu07488	0tu07489	0tu07490	0tu07491	0tu07492	
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##		0tu07493	0tu07494	0tu07495	0tu07496	0tu07497	0tu07498	
##	CSI002	0	1.362194e-05	0.000000e+00	0	0	0.000000e+00	
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI034	0	0.000000e+00	7.579634e-05	0	0	1.894908e-05	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##		0tu07499	0tu07500	0tu07501	0tu07502	0tu07503	0tu07504	0tu07505
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0

##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07506	0tu07507	0tu07508	0tu07509	0tu07510	0tu07511	0tu07512
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07513	0tu07514	0tu07515	0tu07516	0tu07517	0tu07518	0tu07519
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07520	0tu07521	0tu07522	0tu07523	0tu07524	0tu07525	0tu07526
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07527	0tu07528	0tu07529	0tu07530	0tu07531	0tu07532	0tu07533
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu07534	0tu07535	0tu07536	0tu07537	0tu07538	0tu07539	0tu07540
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu07541	0tu07542	0tu07543	0tu07544	0tu07545	0tu07546	0tu07547
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07548	0tu07549	0tu07550	0tu07551	0tu07552	0tu07553	0tu07554

##	CSI002	0	0	0	0	0	1.362194e-05	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu07555	0tu07556	0tu07557	0tu07558	0tu07559	0tu07560	0tu07561
##	CSI002	0	0	0	1.362194e-05	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu07562	0tu07563	0tu07564	0tu07565	0tu07566	0tu07567	0tu07568
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	5.684725e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu07569	0tu07570	0tu07571	0tu07572	0tu07573	0tu07574	0tu07575
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	5.684725e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu07576	0tu07577	0tu07578	0tu07579	0tu07580	0tu07581	
##	CSI002	1.362194e-05	0	0	0	0	0	
##	CSI013	0.000000e+00	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	0.000000e+00	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	0.000000e+00	0	0	0	0	0	
##	CSI066	0.000000e+00	0	0	0	0	0	
##		0tu07582	0tu07583	0tu07584	0tu07585	0tu07586	0tu07587	
##	CSI002	0.0000000000	0	0	0.000000e+00	0	0.000000e+00	
##	CSI013	0.0001597904	0	0	6.391614e-05	0	0.000000e+00	
##	CSI023	0.0000000000	0	0	0.000000e+00	0	0.000000e+00	
##	CSI034	0.0000000000	0	0	0.000000e+00	0	0.000000e+00	
##	CSI045	0.0000000000	0	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0.0000000000	0	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0.0000000000	0	0	0.000000e+00	0	0.000000e+00	
##		0tu07588	0tu07589	0tu07590	0tu07591	0tu07592	0tu07593	
##	CSI002	0	0	1.362194e-05	0	0.000000e+00	0	
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0	

##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0
##		0tu07594	0tu07595	0tu07596	0tu07597	0tu07598	0tu07599
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	6.530186e-05	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu07600	0tu07601	0tu07602	0tu07603	0tu07604	0tu07605
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	3.789817e-05	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu07607	0tu07608	0tu07609	0tu07610	0tu07611	0tu07612
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu07614	0tu07615	0tu07616	0tu07617	0tu07618	0tu07619
##	CSI002	0	1.362194e-05	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	1.894908e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu07621	0tu07622	0tu07623	0tu07624	0tu07625	0tu07626
##	CSI002	0	0	1.362194e-05	0.000000e+00	0	0
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI045	0	0	3.265093e-05	0.000000e+00	0	0
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu07627	0tu07628	0tu07629	0tu07630	0tu07631	0tu07632
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI034	0	0	0	1.894908e-05	0.000000e+00	0
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu07633	0tu07634	0tu07635	0tu07636	0tu07637	0tu07638
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	7.579634e-05	0	0	0	0

##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu07640	0tu07641	0tu07642	0tu07643	0tu07644	0tu07645	0tu07646
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	1.306037e-04	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu07647	0tu07648	0tu07649	0tu07650	0tu07651	0tu07652	
##	CSI002	0.0000000000	0.0000000000	0	0	0	0	
##	CSI013	0.0000000000	0.0000000000	0	0	0	0	
##	CSI023	0.0000000000	0.0000000000	0	0	0	0	
##	CSI034	0.0000000000	0.0000000000	0	0	0	0	
##	CSI045	0.0000000000	0.0000000000	0	0	0	0	
##	CSI056	0.0000000000	0.0000000000	0	0	0	0	
##	CSI066	0.0000000000	0.0000000000	0	0	0	0	
##		0tu07653	0tu07654	0tu07655	0tu07656	0tu07657	0tu07658	
##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI034	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0	
##		0tu07659	0tu07660	0tu07661	0tu07662	0tu07663	0tu07664	0tu07665
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu07666	0tu07667	0tu07668	0tu07669	0tu07670	0tu07671	0tu07672
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07673	0tu07674	0tu07675	0tu07676	0tu07677	0tu07678	0tu07679
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07680	0tu07681	0tu07682	0tu07683	0tu07684	0tu07685	0tu07686
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0

##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu07687	0tu07688	0tu07689	0tu07690	0tu07691	0tu07692
##	CSI002	0	0	1.362194e-05	1.362194e-05	0	0
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu07693	0tu07694	0tu07695	0tu07696	0tu07697	0tu07698
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	1.959286e-05	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu07699	0tu07700	0tu07701	0tu07702	0tu07703	0tu07704
##	CSI002	1.362194e-05	1.362194e-05	0	0	0	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI034	0.000000e+00	1.894908e-05	0	0	0	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0
##		0tu07705	0tu07706	0tu07707	0tu07708	0tu07709	0tu07710
##	CSI002	0	0	0	0	0	1.362194e-05
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu07711	0tu07712	0tu07713	0tu07714	0tu07715	0tu07716
##	CSI002	0.000000e+00	0	0	2.724387e-05	0	1.362194e-05
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI034	0.000000e+00	0	0	3.789817e-05	0	5.684725e-05
##	CSI045	6.530186e-05	0	0	0.000000e+00	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00
##		0tu07717	0tu07718	0tu07719	0tu07720	0tu07721	0tu07722
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu07724	0tu07725	0tu07726	0tu07727	0tu07728	0tu07729
##							0tu07730

##	CSI002	0	0	0	0	0	0 0.000000e+00
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 0.000000e+00
##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		0tu07731	0tu07732	0tu07733	0tu07734	0tu07735	0tu07736
##	CSI002	0.000000e+00	0 0.000000e+00	0 1.362194e-05			0
##	CSI013	0.000000e+00	0 0.000000e+00	0 0.000000e+00			0
##	CSI023	0.000000e+00	0 0.000000e+00	0 0.000000e+00			0
##	CSI034	1.894908e-05	0 3.789817e-05	0 0.000000e+00			0
##	CSI045	0.000000e+00	0 0.000000e+00	0 0.000000e+00			0
##	CSI056	0.000000e+00	0 0.000000e+00	0 0.000000e+00			0
##	CSI066	0.000000e+00	0 0.000000e+00	0 0.000000e+00			0
##		0tu07737	0tu07738	0tu07739	0tu07740	0tu07741	0tu07742
##	CSI002	0	0 0.000000e+00	0	0	0	0
##	CSI013	0	0 0.000000e+00	0	0	0	0
##	CSI023	0	0 0.000000e+00	0	0	0	0
##	CSI034	0	0 0.000000e+00	0	0	0	0
##	CSI045	0	0 0.000000e+00	0	0	0	0
##	CSI056	0	0 0.000000e+00	0	0	0	0
##	CSI066	0	0 0.000000e+00	0	0	0	0
##		0tu07744	0tu07745	0tu07746	0tu07747	0tu07748	0tu07749
##	CSI002	0	0	0 0.0000000000	0	0	
##	CSI013	0	0	0 0.0000000000	0	0	
##	CSI023	0	0	0 0.0000000000	0	0	
##	CSI034	0	0	0 0.0000000000	0	0	
##	CSI045	0	0	0 0.0000000000	0	0	
##	CSI056	0	0	0 0.0000000000	0	0	
##	CSI066	0	0	0 0.0000000000	0	0	
##		0tu07750	0tu07751	0tu07752	0tu07753	0tu07754	0tu07755
##	CSI002	0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI013	0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI023	0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI034	0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI045	0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0 0.000000e+00	0	0	0	
##	CSI066	0.000000e+00	0 0.000000e+00	0	0	0	
##		0tu07756	0tu07757	0tu07758	0tu07759	0tu07760	0tu07761
##	CSI002	0	0 0.000000e+00	0 4.086581e-05	0.000000e+00		
##	CSI013	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI023	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI034	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI045	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI056	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##	CSI066	0	0 0.000000e+00	0 0.000000e+00	0.000000e+00		
##		0tu07762	0tu07763	0tu07764	0tu07765	0tu07766	0tu07767
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0

##	CSI066	0	0	0	0	0	0	0
##		0tu07769	0tu07770	0tu07771	0tu07772	0tu07773	0tu07774	0tu07775
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07776	0tu07777	0tu07778	0tu07779	0tu07780	0tu07781	
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI066	1.916847e-05	0	0.000000e+00	0	0	0	0
##		0tu07782	0tu07783	0tu07784	0tu07785	0tu07786	0tu07787	
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	2.041025e-05	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu07788	0tu07789	0tu07790	0tu07791	0tu07792	0tu07793	
##	CSI002	0.0000000000	0	0	0.000000e+00	0	0	0
##	CSI013	0.0000000000	0	0	0.000000e+00	0	0	0
##	CSI023	0.0000000000	0	0	0.000000e+00	0	0	0
##	CSI034	0.0001136945	0	0	0.000000e+00	0	0	0
##	CSI045	0.0000000000	0	0	0.000000e+00	0	0	0
##	CSI056	0.0000000000	0	0	0.000000e+00	0	0	0
##	CSI066	0.0000000000	0	0	0.000000e+00	0	0	0
##		0tu07794	0tu07795	0tu07796	0tu07797	0tu07798	0tu07799	0tu07800
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07801	0tu07802	0tu07803	0tu07804	0tu07805	0tu07806	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0	0	3.195807e-05	0	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI034	7.579634e-05	0	0	0	0.000000e+00	0	0
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	0
##		0tu07807	0tu07808	0tu07809	0tu07810	0tu07811	0tu07812	0tu07813
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0

##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	1.959286e-05	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu07814	0tu07815	0tu07816	0tu07817	0tu07818	0tu07819	0tu07820
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07821	0tu07822	0tu07823	0tu07824	0tu07825	0tu07826	
##	CSI002	2.724387e-05	0.000000e+00	0	0	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	0.000000e+00	3.789817e-05	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0	
##		0tu07827	0tu07828	0tu07829	0tu07830	0tu07831	0tu07832	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0	3.195807e-05	0	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI066	3.833694e-05	0	0	0.000000e+00	0	0	
##		0tu07833	0tu07834	0tu07835	0tu07836	0tu07837	0tu07838	0tu07839
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07840	0tu07841	0tu07842	0tu07843	0tu07844	0tu07845	0tu07846
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu07847	0tu07848	0tu07849	0tu07850	0tu07851	0tu07852	0tu07853
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07854	0tu07855	0tu07856	0tu07857	0tu07858	0tu07859	0tu07860
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0

##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu07861	0tu07862	0tu07863	0tu07864	0tu07865	0tu07866
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI023	0	0	4.082049e-05	0	0.000000e+00	0
##	CSI034	0	0	0.000000e+00	0	5.684725e-05	0
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0
##		0tu07867	0tu07868	0tu07869	0tu07870	0tu07871	0tu07872
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	9.587421e-05
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	1.894908e-05
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu07873	0tu07874	0tu07875	0tu07876	0tu07877	0tu07878
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	1.362194e-05
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	1.894908e-05	0	0.000000e+00	0	0	7.579634e-05
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##		0tu07879	0tu07880	0tu07881	0tu07882	0tu07883	0tu07884
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0
##		0tu07885	0tu07886	0tu07887	0tu07888	0tu07889	0tu07890
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	1.894908e-05
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu07892	0tu07893	0tu07894	0tu07895	0tu07896	0tu07897
##	CSI002	0.000000e+00	0	0	0	2.724387e-05	0
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI056	3.918572e-05	0	0	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0
##		0tu07898	0tu07899	0tu07900	0tu07901	0tu07902	0tu07903
##						0tu07904	

##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu07905	0tu07906	0tu07907	0tu07908	0tu07909	0tu07910	0tu07911
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	3.195807e-05	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu07912	0tu07913	0tu07914	0tu07915	0tu07916	0tu07917	0tu07918
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07919	0tu07920	0tu07921	0tu07922	0tu07923	0tu07924	
##	CSI002	0	1.362194e-05	0	0	0	0	
##	CSI013	0	0.000000e+00	0	0	0	0	
##	CSI023	0	0.000000e+00	0	0	0	0	
##	CSI034	0	0.000000e+00	0	0	0	0	
##	CSI045	0	0.000000e+00	0	0	0	0	
##	CSI056	0	0.000000e+00	0	0	0	0	
##	CSI066	0	0.000000e+00	0	0	0	0	
##		0tu07925	0tu07926	0tu07927	0tu07928	0tu07929	0tu07930	
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI034	0.000000e+00	0	1.894908e-05	0	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu07931	0tu07932	0tu07933	0tu07934	0tu07935	0tu07936	0tu07937
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu07938	0tu07939	0tu07940	0tu07941	0tu07942	0tu07943	
##	CSI002	0	0	0.000000e+00	0	0	0	
##	CSI013	0	0	0.000000e+00	0	0	0	
##	CSI023	0	0	0.000000e+00	0	0	0	
##	CSI034	0	0	0.000000e+00	0	0	0	
##	CSI045	0	0	0.000000e+00	0	0	0	
##	CSI056	0	0	3.918572e-05	0	0	0	

##	CSI066	0	0	0.000000e+00	0	0	0
##		0tu07944	0tu07945	0tu07946	0tu07947	0tu07948	0tu07949
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	3.789817e-05	0	0	0	1.894908e-05	0
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0
##		0tu07950	0tu07951	0tu07952	0tu07953	0tu07954	0tu07955
##	CSI002	0	0	0	1.362194e-05	2.724387e-05	0
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu07956	0tu07957	0tu07958	0tu07959	0tu07960	0tu07961
##	CSI002	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	1.894908e-05	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	5.750542e-05	0	0.000000e+00	0.000000e+00	0	0
##		0tu07962	0tu07963	0tu07964	0tu07965	0tu07966	0tu07967
##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI013	0	0	6.391614e-05	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0	0	0.000000e+00	3.918572e-05	0	0
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu07968	0tu07969	0tu07970	0tu07971	0tu07972	0tu07973
##	CSI002	0.000000e+00	0	5.448775e-05	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	3.918572e-05	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##		0tu07974	0tu07975	0tu07976	0tu07977	0tu07978	0tu07979
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	1.894908e-05	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0.000000e+00	0	0
##		0tu07980	0tu07981	0tu07982	0tu07983	0tu07984	0tu07985
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	3.789817e-05	0	0	0.000000e+00	0	0

##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	3.918572e-05	0	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0	
##		0tu07986	0tu07987	0tu07988	0tu07989	0tu07990	0tu07991	0tu07992
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu07993	0tu07994	0tu07995	0tu07996	0tu07997	0tu07998	
##	CSI002	0	0	0	0	0.000000e+00	0	
##	CSI013	0	0	0	0	0.000000e+00	0	
##	CSI023	0	0	0	0	0.000000e+00	0	
##	CSI034	0	0	0	0	0.000000e+00	0	
##	CSI045	0	0	0	0	0.000000e+00	0	
##	CSI056	0	0	0	0	0.000000e+00	0	
##	CSI066	0	0	0	0	0.000000e+00	0	
##		0tu07999	0tu08000	0tu08001	0tu08002	0tu08003	0tu08004	
##	CSI002	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI013	3.195807e-05	0	0.000000e+00	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI034	0.000000e+00	0	0.000000e+00	3.789817e-05	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0	1.959286e-05	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##		0tu08005	0tu08006	0tu08007	0tu08008	0tu08009	0tu08010	0tu08011
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08012	0tu08013	0tu08014	0tu08015	0tu08016	0tu08017	0tu08018
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08019	0tu08020	0tu08021	0tu08022	0tu08023	0tu08024	
##	CSI002	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI023	0	2.041025e-05	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI066	0	0.000000e+00	1.916847e-05	0	1.916847e-05	0	
##		0tu08025	0tu08026	0tu08027	0tu08028	0tu08029	0tu08030	0tu08031
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00

##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##	0tu08032	0tu08033	0tu08034	0tu08035	0tu08036	0tu08037		
##	CSI002	0	1.362194e-05	0.000000e+00	0	0	0	
##	CSI013	0	3.195807e-05	3.195807e-05	0	0	0	
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI034	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0	
##	0tu08038	0tu08039	0tu08040	0tu08041	0tu08042	0tu08043	0tu08044	
##	CSI002	0	0	0	0	1.362194e-05	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##	0tu08045	0tu08046	0tu08047	0tu08048	0tu08049	0tu08050		
##	CSI002	4.086581e-05	0	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	3.789817e-05	0	0	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	
##	0tu08051	0tu08052	0tu08053	0tu08054	0tu08055	0tu08056	0tu08057	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	0tu08058	0tu08059	0tu08060	0tu08061	0tu08062	0tu08063	0tu08064	
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	3.833694e-05	0	0
##	0tu08065	0tu08066	0tu08067	0tu08068	0tu08069	0tu08070		
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	2.041025e-05	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0.000000e+00	0	0	0	5.684725e-05	0.000000e+00	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	0tu08071	0tu08072	0tu08073	0tu08074	0tu08075	0tu08076	0tu08077	

##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08078	0tu08079	0tu08080	0tu08081	0tu08082		0tu08083
##	CSI002	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI034	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI056	1.959286e-05	0	0	0	0	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00	
##		0tu08084	0tu08085	0tu08086	0tu08087	0tu08088	0tu08089	0tu08090
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08091	0tu08092	0tu08093	0tu08094	0tu08095	0tu08096	0tu08097
##	CSI002	0	0	0	0	1.362194e-05	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu08098	0tu08099	0tu08100	0tu08101	0tu08102	0tu08103	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0.000000e+00		0
##	CSI013	3.195807e-05	0.000000e+00	0	0	0.000000e+00		0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0.000000e+00		0
##	CSI034	0.000000e+00	0.000000e+00	0	0	0.000000e+00		0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0.000000e+00		0
##	CSI056	1.959286e-05	3.918572e-05	0	0	0.000000e+00		0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0.000000e+00		0
##		0tu08104	0tu08105	0tu08106	0tu08107	0tu08108	0tu08109	
##	CSI002	0	5.448775e-05	0	0.000000e+00	0		0
##	CSI013	0	0.000000e+00	0	3.195807e-05	0		0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0		0
##	CSI034	0	0.000000e+00	0	0.000000e+00	0		0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0		0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0		0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0		0
##		0tu08110	0tu08111	0tu08112	0tu08113	0tu08114	0tu08115	
##	CSI002	0	1.362194e-05	0.000000e+00	0	0		0
##	CSI013	0	0.000000e+00	0.000000e+00	0	0		0
##	CSI023	0	0.000000e+00	0.000000e+00	0	0		0
##	CSI034	0	0.000000e+00	5.684725e-05	0	0		0
##	CSI045	0	0.000000e+00	0.000000e+00	0	0		0
##	CSI056	0	0.000000e+00	0.000000e+00	0	0		0

##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0
##		0tu08116	0tu08117	0tu08118	0tu08119	0tu08120	0tu08121
##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0	1.894908e-05	0	0.000000e+00	0	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0	0.000000e+00	0	3.833694e-05	0	0
##		0tu08122	0tu08123	0tu08124	0tu08125	0tu08126	0tu08127
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	3.195807e-05	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu08128	0tu08129	0tu08130	0tu08131	0tu08132	0tu08133
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	1.959286e-05	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu08134	0tu08135	0tu08136	0tu08137	0tu08138	0tu08139
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0	3.195807e-05	0	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	1.894908e-05	0	0	0.000000e+00	0	0
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu08140	0tu08141	0tu08142	0tu08143	0tu08144	0tu08145
##	CSI002	2.724387e-05	0	0.000000e+00	0	0	4.086581e-05
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0.000000e+00	0	1.894908e-05	0	0	3.789817e-05
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0.000000e+00
##		0tu08146	0tu08147	0tu08148	0tu08149	0tu08150	0tu08151
##	CSI002	0	1.362194e-05	0.000000e+00	0	0	0.000000e+00
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	0.000000e+00	7.579634e-05	0	0	0.000000e+00
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	3.265093e-05
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00
##		0tu08152	0tu08153	0tu08154	0tu08155	0tu08156	0tu08157
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	0	1.894908e-05	0.000000e+00	0	0	0

##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0	0.000000e+00	1.916847e-05	0	0	0
##		0tu08158	0tu08159	0tu08160	0tu08161	0tu08162	0tu08163
##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0	0	1.959286e-05	0.000000e+00	0	0
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0
##		0tu08164	0tu08165	0tu08166	0tu08167	0tu08168	0tu08169
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	1.894908e-05	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu08171	0tu08172	0tu08173	0tu08174	0tu08175	0tu08176
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	1.894908e-05	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu08177	0tu08178	0tu08179	0tu08180	0tu08181	0tu08182
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	1.894908e-05	0	0	0.000000e+00	0	0
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	0	1.959286e-05	0	0
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu08183	0tu08184	0tu08185	0tu08186	0tu08187	0tu08188
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu08190	0tu08191	0tu08192	0tu08193	0tu08194	0tu08195
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu08197	0tu08198	0tu08199	0tu08200	0tu08201	0tu08202
##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0	3.195807e-05

##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI066	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu08203	0tu08204	0tu08205	0tu08206	0tu08207	0tu08208
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu08210	0tu08211	0tu08212	0tu08213	0tu08214	0tu08215
##	CSI002	0	0	0	0	0	0.0000000000
##	CSI013	0	0	0	0	0	0.0000000000
##	CSI023	0	0	0	0	0	0.0000000000
##	CSI034	0	0	0	0	0	0.0000000000
##	CSI045	0	0	0	0	0	0.0000000000
##	CSI056	0	0	0	0	0	0.0000000000
##	CSI066	0	0	0	0	0	0.0000000000
##		0tu08217	0tu08218	0tu08219	0tu08220	0tu08221	0tu08222
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu08224	0tu08225	0tu08226	0tu08227	0tu08228	0tu08229
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu08231	0tu08232	0tu08233	0tu08234	0tu08235	0tu08236
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	1.894908e-05	0	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0
##		0tu08237	0tu08238	0tu08239	0tu08240	0tu08241	0tu08242
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu08244	0tu08245	0tu08246	0tu08247	0tu08248	0tu08249
##		0tu08250					

##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu08251	0tu08252	0tu08253	0tu08254	0tu08255	0tu08256
##	CSI002	0.000000e+00	0	2.724387e-05	0	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI045	3.265093e-05	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu08257	0tu08258	0tu08259	0tu08260	0tu08261	0tu08262
##	CSI002	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##	CSI013	3.195807e-05	0	0	0.0000000000	0	0.000000e+00
##	CSI023	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##	CSI034	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##	CSI045	0.000000e+00	0	0	0.0001632546	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0.0000000000	0	0.000000e+00
##		0tu08263	0tu08264	0tu08265	0tu08266	0tu08267	0tu08268
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu08270	0tu08271	0tu08272	0tu08273	0tu08274	0tu08275
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu08276	0tu08277	0tu08278	0tu08279	0tu08280	0tu08281
##	CSI002	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	1.894908e-05	0	0	0	0	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu08282	0tu08283	0tu08284	0tu08285	0tu08286	0tu08287
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	3.789817e-05	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0

##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu08289	0tu08290	0tu08291	0tu08292	0tu08293	0tu08294	0tu08295
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08296	0tu08297	0tu08298	0tu08299	0tu08300	0tu08301	0tu08302
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08303	0tu08304	0tu08305	0tu08306	0tu08307		
##	CSI002	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI013	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI023	0	0.000000e+00	2.041025e-05	0.000000e+00	0.000000e+00		
##	CSI034	0	0.000000e+00	0.000000e+00	0.000000e+00	3.789817e-05		
##	CSI045	0	3.265093e-05	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI056	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		
##	CSI066	0	0.000000e+00	0.000000e+00	1.916847e-05	0.000000e+00		
##		0tu08308	0tu08309	0tu08310	0tu08311	0tu08312	0tu08313	
##	CSI002	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI013	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI034	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0	0	0	5.750542e-05	0	3.833694e-05	
##		0tu08314	0tu08315	0tu08316	0tu08317	0tu08318	0tu08319	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	5.448775e-05	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##	CSI023	2.041025e-05	0	0	2.041025e-05	0	0.000000e+00	
##	CSI034	0.000000e+00	0	0	1.894908e-05	0	0.000000e+00	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0.000000e+00	
##		0tu08320	0tu08321	0tu08322	0tu08323	0tu08324	0tu08325	
##	CSI002	2.724387e-05	0	0.000000e+00	0	0	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0	5.877858e-05	0	0	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu08326	0tu08327	0tu08328	0tu08329	0tu08330	0tu08331	0tu08332
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0

##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu08333	0tu08334	0tu08335	0tu08336	0tu08337	0tu08338	
##	CSI002	0	0	0	0	0.0000000000	0	
##	CSI013	0	0	0	0	0.0001278323	0	
##	CSI023	0	0	0	0	0.0000000000	0	
##	CSI034	0	0	0	0	0.0000000000	0	
##	CSI045	0	0	0	0	0.0000000000	0	
##	CSI056	0	0	0	0	0.0000000000	0	
##	CSI066	0	0	0	0	0.0000000000	0	
##		0tu08339	0tu08340	0tu08341	0tu08342	0tu08343	0tu08344	
##	CSI002	1.362194e-05	0	0	0	0.000000e+00	5.448775e-05	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0.000000e+00	
##		0tu08345	0tu08346	0tu08347	0tu08348	0tu08349	0tu08350	
##	CSI002	0	0.000000e+00	0	0	0	0	
##	CSI013	0	0.000000e+00	0	0	0	0	
##	CSI023	0	0.000000e+00	0	0	0	0	
##	CSI034	0	3.789817e-05	0	0	0	0	
##	CSI045	0	0.000000e+00	0	0	0	0	
##	CSI056	0	0.000000e+00	0	0	0	0	
##	CSI066	0	0.000000e+00	0	0	0	0	
##		0tu08351	0tu08352	0tu08353	0tu08354	0tu08355		
##	CSI002	1.362194e-05	0.000000e+00	0.000000e+00	1.362194e-05	0		
##	CSI013	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0		
##	CSI023	0.000000e+00	4.082049e-05	0.000000e+00	0.000000e+00	0		
##	CSI034	1.894908e-05	0.000000e+00	0.000000e+00	1.894908e-05	0		
##	CSI045	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0		
##	CSI056	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0		
##	CSI066	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0		
##		0tu08356	0tu08357	0tu08358	0tu08359	0tu08360	0tu08361	0tu08362
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	3.265093e-05	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu08363	0tu08364	0tu08365	0tu08366	0tu08367	0tu08368	0tu08369
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08370	0tu08371	0tu08372	0tu08373	0tu08374	0tu08375	
##	CSI002	1.362194e-05	1.362194e-05	0	0	0	0	
##	CSI013	0.000000e+00	3.195807e-05	0	0	0	0	

##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	0.000000e+00	1.894908e-05	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0	
##		0tu08376	0tu08377	0tu08378	0tu08379	0tu08380	0tu08381	0tu08382
##	CSI002	0	1.362194e-05	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu08383	0tu08384	0tu08385	0tu08386	0tu08387	0tu08388	0tu08389
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	1.959286e-05	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu08390	0tu08391	0tu08392	0tu08393	0tu08394	0tu08395	0tu08396
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08397	0tu08398	0tu08399	0tu08400	0tu08401	0tu08402	0tu08403
##	CSI002	1.362194e-05	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu08404	0tu08405	0tu08406	0tu08407	0tu08408	0tu08409	
##	CSI002	0	0	0	0.000000e+00	1.362194e-05	0	
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI045	0	0	0	0.000000e+00	6.530186e-05	0	
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI066	0	0	0	1.916847e-05	0.000000e+00	0	
##		0tu08410	0tu08411	0tu08412	0tu08413	0tu08414		
##	CSI002	0.000000e+00	0	0.000000e+00	0	0.000000e+00		
##	CSI013	0.000000e+00	0	0.000000e+00	0	3.195807e-05		
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00		
##	CSI034	0.000000e+00	0	0.000000e+00	0	0.000000e+00		
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.000000e+00		
##	CSI056	0.000000e+00	0	0.000000e+00	0	0.000000e+00		
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.000000e+00		
##		0tu08415	0tu08416	0tu08417	0tu08418	0tu08419	0tu08420	

##	CSI002	4.086581e-05	0.000000e+00	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0.000000e+00	0	0	1.894908e-05	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##		0tu08421	0tu08422	0tu08423	0tu08424	0tu08425	0tu08426	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0	0	1.894908e-05	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	
##		0tu08427	0tu08428	0tu08429	0tu08430	0tu08431	0tu08432	0tu08433
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08434	0tu08435	0tu08436	0tu08437	0tu08438	0tu08439	
##	CSI002	0	0	0	0	0	0.000000e+00	
##	CSI013	0	0	0	0	0	0.000000e+00	
##	CSI023	0	0	0	0	0	0.000000e+00	
##	CSI034	0	0	0	0	0	0.000000e+00	
##	CSI045	0	0	0	0	0	0.000000e+00	
##	CSI056	0	0	0	0	0	0.000000e+00	
##	CSI066	0	0	0	0	0	1.916847e-05	
##		0tu08440	0tu08441	0tu08442	0tu08443	0tu08444	0tu08445	
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI023	2.041025e-05	0	0.000000e+00	0	0	0	
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI056	1.959286e-05	0	0.000000e+00	0	0	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu08446	0tu08447	0tu08448	0tu08449	0tu08450	0tu08451	0tu08452
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	3.265093e-05	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu08453	0tu08454	0tu08455	0tu08456	0tu08457	0tu08458	0tu08459
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	1.959286e-05	0	0	0	0	0	0

##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu08460	0tu08461	0tu08462	0tu08463	0tu08464	0tu08465	
##	CSI002	0	0	0.000000e+00	1.362194e-05	0	0	
##	CSI013	0	0	0.000000e+00	6.391614e-05	0	0	
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI034	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0	
##		0tu08466	0tu08467	0tu08468	0tu08469	0tu08470	0tu08471	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	2.724387e-05	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0.000000e+00	8.164098e-05	0	0	0	0.000000e+00	
##	CSI034	1.894908e-05	0.000000e+00	0	0	0	0.000000e+00	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##		0tu08472	0tu08473	0tu08474	0tu08475	0tu08476	0tu08477	
##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI034	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI066	0	1.916847e-05	0	0.000000e+00	0	0	
##		0tu08478	0tu08479	0tu08480	0tu08481	0tu08482	0tu08483	
##	CSI002	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	3.195807e-05	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	1.894908e-05	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	7.837144e-05	0	0.000000e+00	0	5.877858e-05	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##		0tu08484	0tu08485	0tu08486	0tu08487	0tu08488	0tu08489	0tu08490
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08491	0tu08492	0tu08493	0tu08494	0tu08495	0tu08496	0tu08497
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu08498	0tu08499	0tu08500	0tu08501	0tu08502	0tu08503	0tu08504
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08505	0tu08506	0tu08507	0tu08508	0tu08509	0tu08510	0tu08511
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08512	0tu08513	0tu08514	0tu08515	0tu08516	0tu08517	0tu08518
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	1.894908e-05	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu08519	0tu08520	0tu08521	0tu08522	0tu08523	0tu08524	0tu08525
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	5.684725e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu08526	0tu08527	0tu08528	0tu08529	0tu08530	0tu08531	0tu08532
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	3.918572e-05	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu08533	0tu08534	0tu08535	0tu08536	0tu08537	0tu08538	0tu08539
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	1.916847e-05	0	0	0	0	0	0
##		0tu08540	0tu08541	0tu08542	0tu08543	0tu08544	0tu08545	
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI034	0	0.000000e+00	1.894908e-05	0	0	0.000000e+00	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0.000000e+00	
##		0tu08546	0tu08547	0tu08548	0tu08549	0tu08550	0tu08551	0tu08552
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0

##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu08553	0tu08554	0tu08555	0tu08556	0tu08557	0tu08558	0tu08559
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	3.833694e-05	0	0
##		0tu08560	0tu08561	0tu08562	0tu08563	0tu08564	0tu08565	0tu08566
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08567	0tu08568	0tu08569	0tu08570	0tu08571	0tu08572	
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI034	1.894908e-05	0	7.579634e-05	0	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0	0
##		0tu08573	0tu08574	0tu08575	0tu08576	0tu08577	0tu08578	0tu08579
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08580	0tu08581	0tu08582	0tu08583	0tu08584	0tu08585	
##	CSI002	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0	0	0.000000e+00	3.918572e-05	
##	CSI066	0	0	0	0	7.667389e-05	0.000000e+00	
##		0tu08586	0tu08587	0tu08588	0tu08589	0tu08590	0tu08591	0tu08592
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08593	0tu08594	0tu08595	0tu08596	0tu08597	0tu08598	0tu08599

##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08600	0tu08601	0tu08602	0tu08603	0tu08604	0tu08605	0tu08606
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08607	0tu08608	0tu08609	0tu08610	0tu08611	0tu08612	0tu08613
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08614	0tu08615	0tu08616	0tu08617	0tu08618	0tu08619	0tu08620
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	3.789817e-05	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu08621	0tu08622	0tu08623	0tu08624	0tu08625	0tu08626	0tu08627
##	CSI002	1.362194e-05	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu08628	0tu08629	0tu08630	0tu08631	0tu08632	0tu08633	0tu08634
##	CSI002	0	1.362194e-05	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu08635	0tu08636	0tu08637	0tu08638	0tu08639	0tu08640	
##	CSI002	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0	0	3.195807e-05	0.000000e+00	
##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0	0	0.000000e+00	3.265093e-05	
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00	

##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00
##		0tu08641	0tu08642	0tu08643	0tu08644	0tu08645	0tu08646 0tu08647
##	CSI002	4.086581e-05	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu08648	0tu08649	0tu08650	0tu08651	0tu08652	0tu08653
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	3.918572e-05	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu08654	0tu08655	0tu08656	0tu08657	0tu08658	0tu08659
##	CSI002	0.000000e+00	0	1.362194e-05	0	0	0
##	CSI013	3.195807e-05	0	9.587421e-05	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu08660	0tu08661	0tu08662	0tu08663	0tu08664	0tu08665 0tu08666
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu08667	0tu08668	0tu08669	0tu08670	0tu08671	0tu08672 0tu08673
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu08674	0tu08675	0tu08676	0tu08677	0tu08678	0tu08679 0tu08680
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu08681	0tu08682	0tu08683	0tu08684	0tu08685	0tu08686 0tu08687
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	1.894908e-05	0	0	0	0

##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu08688	0tu08689	0tu08690	0tu08691	0tu08692	0tu08693	0tu08694
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08695	0tu08696	0tu08697	0tu08698	0tu08699	0tu08700	
##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI034	0	0.000000e+00	0	1.894908e-05	0	0	
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0	
##		0tu08701	0tu08702	0tu08703	0tu08704	0tu08705	0tu08706	0tu08707
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	1.894908e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu08708	0tu08709	0tu08710	0tu08711	0tu08712	0tu08713	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	0.000000e+00	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	1.894908e-05	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	0.000000e+00	0	0	0	0	0	
##	CSI066	0.000000e+00	0	0	0	0	0	
##		0tu08714	0tu08715	0tu08716	0tu08717	0tu08718	0tu08719	0tu08720
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu08721	0tu08722	0tu08723	0tu08724	0tu08725	0tu08726	0tu08727
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu08728	0tu08729	0tu08730	0tu08731	0tu08732	0tu08733	0tu08734
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00

##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	1.894908e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu08735	0tu08736	0tu08737	0tu08738	0tu08739	0tu08740	0tu08741
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08742	0tu08743	0tu08744	0tu08745	0tu08746	0tu08747	
##	CSI002	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI013	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI034	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI045	0	3.265093e-05	0	0	6.530186e-05	0	
##	CSI056	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	0	
##		0tu08748	0tu08749	0tu08750	0tu08751	0tu08752	0tu08753	0tu08754
##	CSI002	4.086581e-05	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu08755	0tu08756	0tu08757	0tu08758	0tu08759	0tu08760	0tu08761
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08762	0tu08763	0tu08764	0tu08765	0tu08766	0tu08767	0tu08768
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	3.789817e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu08769	0tu08770	0tu08771	0tu08772	0tu08773	0tu08774	0tu08775
##	CSI002	0	0	0	0	0	0	2.724387e-05
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu08776	0tu08777	0tu08778	0tu08779	0tu08780	0tu08781	0tu08782

##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	3.195807e-05	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	3.833694e-05	0	0	0	0	0	0
##		0tu08783	0tu08784	0tu08785	0tu08786	0tu08787	0tu08788	0tu08789
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08790	0tu08791	0tu08792	0tu08793	0tu08794	0tu08795	0tu08796
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	9.587421e-05	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu08797	0tu08798	0tu08799	0tu08800	0tu08801	0tu08802	0tu08803
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08804	0tu08805	0tu08806	0tu08807	0tu08808	0tu08809	
##	CSI002	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI013	0	0	0	0.000000e+00	0	3.195807e-05	
##	CSI023	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI034	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0	0	0	0.000000e+00	0	0.000000e+00	
##		0tu08810	0tu08811	0tu08812	0tu08813	0tu08814	0tu08815	0tu08816
##	CSI002	0	0	0	0	0	1.362194e-05	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	1.894908e-05	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu08817	0tu08818	0tu08819	0tu08820	0tu08821	0tu08822	0tu08823
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	3.195807e-05	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0

##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu08824	0tu08825	0tu08826	0tu08827	0tu08828	0tu08829	0tu08830
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08831	0tu08832	0tu08833	0tu08834	0tu08835	0tu08836	0tu08837
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08838	0tu08839	0tu08840	0tu08841	0tu08842	0tu08843	0tu08844
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08845	0tu08846	0tu08847	0tu08848	0tu08849	0tu08850	
##	CSI002	0.000000e+00	0.000000e+00	4.086581e-05	0	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI034	0.000000e+00	1.894908e-05	0.000000e+00	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0.000000e+00	0	0	0	
##		0tu08851	0tu08852	0tu08853	0tu08854	0tu08855	0tu08856	
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI013	9.587421e-05	0	0.000000e+00	0	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0	1.959286e-05	0	0	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu08857	0tu08858	0tu08859	0tu08860	0tu08861	0tu08862	
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI034	3.789817e-05	0	3.789817e-05	0	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0	
##		0tu08863	0tu08864	0tu08865	0tu08866	0tu08867	0tu08868	
##	CSI002	0	0	0.000000e+00	0	0	0	
##	CSI013	0	0	3.195807e-05	0	0	0	
##	CSI023	0	0	0.000000e+00	0	0	0	
##	CSI034	0	0	3.789817e-05	0	0	0	

```

## CSI045      0      0 0.000000e+00      0      0      0
## CSI056      0      0 0.000000e+00      0      0      0
## CSI066      0      0 0.000000e+00      0      0      0
##          0tu08869 0tu08870      0tu08871      0tu08872      0tu08873
## CSI002 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI013 3.195807e-05      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI023 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI034 0.000000e+00      0 3.789817e-05 0.000000e+00 0.000000e+00
## CSI045 0.000000e+00      0 0.000000e+00 0.000000e+00 0.000000e+00
## CSI056 0.000000e+00      0 0.000000e+00 0.000000e+00 1.959286e-05
## CSI066 0.000000e+00      0 0.000000e+00 3.833694e-05 0.000000e+00
##          0tu08874 0tu08875 0tu08876      0tu08877 0tu08878 0tu08879 0tu08880
## CSI002      0      0      0 0.000000e+00      0      0      0
## CSI013      0      0      0 0.000000e+00      0      0      0
## CSI023      0      0      0 0.000000e+00      0      0      0
## CSI034      0      0      0 0.000000e+00      0      0      0
## CSI045      0      0      0 0.000000e+00      0      0      0
## CSI056      0      0      0 0.000000e+00      0      0      0
## CSI066      0      0      0 0.000000e+00      0      0      0
##          0tu08881 0tu08882 0tu08883      0tu08884 0tu08885 0tu08886
## CSI002 0.000000e+00      0      0 0.000000e+00      0      0
## CSI013 0.000000e+00      0      0 0.000000e+00      0      0
## CSI023 2.041025e-05      0      0 0.000000e+00      0      0
## CSI034 0.000000e+00      0      0 3.789817e-05      0      0
## CSI045 0.000000e+00      0      0 0.000000e+00      0      0
## CSI056 0.000000e+00      0      0 0.000000e+00      0      0
## CSI066 0.000000e+00      0      0 0.000000e+00      0      0
##          0tu08887 0tu08888 0tu08889 0tu08890 0tu08891 0tu08892 0tu08893
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##          0tu08894 0tu08895 0tu08896 0tu08897 0tu08898 0tu08899 0tu08900
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##          0tu08901 0tu08902 0tu08903      0tu08904 0tu08905 0tu08906 0tu08907
## CSI002      0      0      0 0.000000e+00      0      0      0
## CSI013      0      0      0 0.000000e+00      0      0      0
## CSI023      0      0      0 0.000000e+00      0      0      0
## CSI034      0      0      0 1.894908e-05      0      0      0
## CSI045      0      0      0 0.000000e+00      0      0      0
## CSI056      0      0      0 0.000000e+00      0      0      0
## CSI066      0      0      0 0.000000e+00      0      0      0
##          0tu08908 0tu08909 0tu08910 0tu08911 0tu08912      0tu08913 0tu08914
## CSI002      0      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0      0 0.000000e+00      0

```

##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	5.877858e-05	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu08915	0tu08916	0tu08917	0tu08918	0tu08919	0tu08920	0tu08921
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08922	0tu08923	0tu08924	0tu08925	0tu08926	0tu08927	0tu08928
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08929	0tu08930	0tu08931	0tu08932	0tu08933	0tu08934	0tu08935
##	CSI002	0	0	0	0	4.086581e-05	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu08936	0tu08937	0tu08938	0tu08939	0tu08940	0tu08941	0tu08942
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08943	0tu08944	0tu08945	0tu08946	0tu08947	0tu08948	0tu08949
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	3.195807e-05
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu08950	0tu08951	0tu08952	0tu08953	0tu08954	0tu08955	0tu08956
##	CSI002	0	0	0	0	0	1.362194e-05	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu08957	0tu08958	0tu08959	0tu08960	0tu08961	0tu08962	0tu08963

##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu08964	0tu08965	0tu08966	0tu08967	0tu08968	0tu08969	0tu08970
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	9.587421e-05	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu08971	0tu08972	0tu08973	0tu08974	0tu08975	0tu08976	0tu08977
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08978	0tu08979	0tu08980	0tu08981	0tu08982	0tu08983	0tu08984
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08985	0tu08986	0tu08987	0tu08988	0tu08989	0tu08990	0tu08991
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu08992	0tu08993	0tu08994	0tu08995	0tu08996	0tu08997	0tu08998
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu08999	0tu09000	0tu09001	0tu09002	0tu09003	0tu09004	0tu09005
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0

##	CSI066	0	0	0	0	0	0	0
##		0tu09006	0tu09007	0tu09008	0tu09009	0tu09010	0tu09011	0tu09012
##	CSI002	0	0	1.362194e-05	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu09013	0tu09014	0tu09015	0tu09016	0tu09017	0tu09018	0tu09019
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	6.391614e-05
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu09020	0tu09021	0tu09022	0tu09023	0tu09024	0tu09025	0tu09026
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	7.837144e-05	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu09027	0tu09028	0tu09029	0tu09030	0tu09031	0tu09032	0tu09033
##	CSI002	0	0.0000000000	0	0	0	0	0
##	CSI013	0	0.0000000000	0	0	0	0	0
##	CSI023	0	0.0000000000	0	0	0	0	0
##	CSI034	0	0.0000000000	0	0	0	0	0
##	CSI045	0	0.0000000000	0	0	0	0	0
##	CSI056	0	0.0000000000	0	0	0	0	0
##	CSI066	0	0.0000000000	0	0	0	0	0
##		0tu09034	0tu09035	0tu09036	0tu09037	0tu09038	0tu09039	0tu09040
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09041	0tu09042	0tu09043	0tu09044	0tu09045	0tu09046	
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0	3.195807e-05	0	0.000000e+00	0	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0	
##		0tu09047	0tu09048	0tu09049	0tu09050	0tu09051	0tu09052	0tu09053
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	0tu09054	0tu09055	0tu09056	0tu09057	0tu09058	0tu09059	0tu09060	
##	CSI002	0 5.448775e-05	0	0	0	0	0	0
##	CSI013	0 0.000000e+00	0	0	0	0	0	0
##	CSI023	0 0.000000e+00	0	0	0	0	0	0
##	CSI034	0 0.000000e+00	0	0	0	0	0	0
##	CSI045	0 0.000000e+00	0	0	0	0	0	0
##	CSI056	0 0.000000e+00	0	0	0	0	0	0
##	CSI066	0 0.000000e+00	0	0	0	0	0	0
##	0tu09061	0tu09062	0tu09063	0tu09064	0tu09065	0tu09066	0tu09067	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	0tu09068	0tu09069	0tu09070	0tu09071	0tu09072	0tu09073	0tu09074	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	0tu09075	0tu09076	0tu09077	0tu09078	0tu09079	0tu09080	0tu09081	
##	CSI002	0	0	0	0	0 0.000000e+00	0	0
##	CSI013	0	0	0	0	0 0.000000e+00	0	0
##	CSI023	0	0	0	0	0 2.041025e-05	0	0
##	CSI034	0	0	0	0	0 0.000000e+00	0	0
##	CSI045	0	0	0	0	0 0.000000e+00	0	0
##	CSI056	0	0	0	0	0 0.000000e+00	0	0
##	CSI066	0	0	0	0	0 0.000000e+00	0	0
##	0tu09082	0tu09083	0tu09084	0tu09085	0tu09086	0tu09087	0tu09088	
##	CSI002	0	0 0.000000e+00	0	0	0	0	0
##	CSI013	0	0 0.000000e+00	0	0	0	0	0
##	CSI023	0	0 0.000000e+00	0	0	0	0	0
##	CSI034	0	0 0.000000e+00	0	0	0	0	0
##	CSI045	0	0 3.265093e-05	0	0	0	0	0
##	CSI056	0	0 0.000000e+00	0	0	0	0	0
##	CSI066	0	0 0.000000e+00	0	0	0	0	0
##	0tu09089	0tu09090	0tu09091	0tu09092	0tu09093	0tu09094	0tu09095	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	0tu09096	0tu09097	0tu09098	0tu09099	0tu09100	0tu09101		
##	CSI002	1.362194e-05	0	0	0	0 0.000000e+00		
##	CSI013	0.000000e+00	0	0	0	0 0.000000e+00		

##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	7.837144e-05
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu09102	0tu09103	0tu09104	0tu09105	0tu09106	0tu09107 0tu09108
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu09109	0tu09110	0tu09111	0tu09112	0tu09113	0tu09114 0tu09115
##	CSI002	0	0	0	0	0	0 0.000000e+00
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 1.894908e-05
##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		0tu09116	0tu09117	0tu09118	0tu09119	0tu09120	0tu09121 0tu09122
##	CSI002	0	0	0	0	0	2.724387e-05 0
##	CSI013	0	0	0	0	0	0.000000e+00 0
##	CSI023	0	0	0	0	0	0.000000e+00 0
##	CSI034	0	0	0	0	0	0.000000e+00 0
##	CSI045	0	0	0	0	0	0.000000e+00 0
##	CSI056	0	0	0	0	0	0.000000e+00 0
##	CSI066	0	0	0	0	0	0.000000e+00 0
##		0tu09123	0tu09124	0tu09125	0tu09126	0tu09127	0tu09128 0tu09129
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		0tu09130	0tu09131	0tu09132	0tu09133	0tu09134	0tu09135
##	CSI002	0	0	0	0	0	0 0.000000e+00
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 0.000000e+00
##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	3.833694e-05
##		0tu09136	0tu09137	0tu09138	0tu09139	0tu09140	
##	CSI002	0.000000e+00	0	0.000000e+00	0.000000e+00	2.724387e-05	
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI023	0.000000e+00	0	0.000000e+00	2.041025e-05	0.000000e+00	
##	CSI034	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI066	0.000000e+00	0	1.916847e-05	0.000000e+00	0.000000e+00	
##		0tu09141	0tu09142	0tu09143	0tu09144	0tu09145	0tu09146

##	CSI002	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI013	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	1.894908e-05	0.000000e+00	0.000000e+00	0	0
##	CSI045	0	0.000000e+00	0.000000e+00	3.265093e-05	0	0
##	CSI056	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##	CSI066	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0
##		0tu09147	0tu09148	0tu09149	0tu09150	0tu09151	0tu09152
##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	0	0.000000e+00	0	0	1.894908e-05
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI066	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu09153	0tu09154	0tu09155	0tu09156	0tu09157	0tu09158
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu09160	0tu09161	0tu09162	0tu09163	0tu09164	0tu09165
##	CSI002	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	1.894908e-05	0	0.000000e+00	1.894908e-05	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0.000000e+00	0	1.959286e-05	0.000000e+00	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##		0tu09166	0tu09167	0tu09168	0tu09169	0tu09170	0tu09171
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	4.082049e-05	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu09173	0tu09174	0tu09175	0tu09176	0tu09177	0tu09178
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu09180	0tu09181	0tu09182	0tu09183	0tu09184	0tu09185
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	3.195807e-05	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0.000000e+00	0	0

##	CSI066	0	0	0	0.000000e+00	0	0
##		0tu09186	0tu09187	0tu09188	0tu09189	0tu09190	0tu09191
##	CSI002	1.362194e-05	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu09193	0tu09194	0tu09195	0tu09196	0tu09197	0tu09198
##	CSI002	0	0	0.000000e+00	2.724387e-05	0	0.000000e+00
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	6.391614e-05
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI034	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI045	0	0	9.795279e-05	0.000000e+00	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0.000000e+00
##		0tu09199	0tu09200	0tu09201	0tu09202	0tu09203	0tu09204
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	3.918572e-05
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu09206	0tu09207	0tu09208	0tu09209	0tu09210	0tu09211
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	1.894908e-05	0	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	0	0	1.916847e-05	0
##		0tu09212	0tu09213	0tu09214	0tu09215	0tu09216	0tu09217
##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI066	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu09218	0tu09219	0tu09220	0tu09221	0tu09222	0tu09223
##	CSI002	0	0	0	0	0	4.086581e-05
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu09224	0tu09225	0tu09226	0tu09227	0tu09228	0tu09229
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0

##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	1.959286e-05	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu09230	0tu09231	0tu09232	0tu09233	0tu09234	0tu09235
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	3.918572e-05	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu09237	0tu09238	0tu09239	0tu09240	0tu09241	0tu09242
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu09244	0tu09245	0tu09246	0tu09247	0tu09248	0tu09249
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	1.894908e-05	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu09251	0tu09252	0tu09253	0tu09254	0tu09255	0tu09256
##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	0	3.789817e-05	0	0	0.000000e+00
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI066	0	0	0.000000e+00	0	0	0.000000e+00
##		0tu09257	0tu09258	0tu09259	0tu09260	0tu09261	0tu09262
##	CSI002	0	0	0	0	0	1.362194e-05
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	3.789817e-05
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu09264	0tu09265	0tu09266	0tu09267	0tu09268	0tu09269
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	3.195807e-05	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0.000000e+00	0	0
##		0tu09270	0tu09271	0tu09272	0tu09273	0tu09274	0tu09275
##	CSI002	1.362194e-05	0	0.000000e+00	0	0	0
##	CSI013	6.391614e-05	0	0.000000e+00	0	0	0

##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		0tu09276	0tu09277	0tu09278	0tu09279	0tu09280	0tu09281
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu09283	0tu09284	0tu09285	0tu09286	0tu09287	0tu09288
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI023	0	0	0.000000e+00	0	2.041025e-05	0
##	CSI034	0	0	1.894908e-05	0	0.000000e+00	0
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0
##		0tu09289	0tu09290	0tu09291	0tu09292	0tu09293	0tu09294
##	CSI002	1.362194e-05	0	0	0	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu09295	0tu09296	0tu09297	0tu09298	0tu09299	
##	CSI002	1.362194e-05	0	0.000000e+00	2.724387e-05	0.000000e+00	
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI034	1.894908e-05	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI056	0.000000e+00	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI066	0.000000e+00	0	1.916847e-05	0.000000e+00	1.916847e-05	
##		0tu09300	0tu09301	0tu09302	0tu09303	0tu09304	0tu09305
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	3.265093e-05	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##		0tu09307	0tu09308	0tu09309	0tu09310	0tu09311	0tu09312
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu09314	0tu09315	0tu09316	0tu09317	0tu09318	0tu09319
##							0tu09320

##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	1.894908e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##	0tu09321	0tu09322	0tu09323	0tu09324	0tu09325	0tu09326	0tu09327	
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	1.916847e-05	0	0	0	0	0
##	0tu09328	0tu09329	0tu09330	0tu09331	0tu09332	0tu09333		
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	1.959286e-05	0	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0	
##	0tu09334	0tu09335	0tu09336	0tu09337	0tu09338	0tu09339		
##	CSI002	0.000000e+00	1.362194e-05	0	0	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	1.894908e-05	0.000000e+00	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0	
##	0tu09340	0tu09341	0tu09342	0tu09343	0tu09344	0tu09345		
##	CSI002	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI013	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI023	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI034	0	3.789817e-05	0.000000e+00	0.000000e+00	0	0	
##	CSI045	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	CSI056	0	0.000000e+00	0.000000e+00	3.918572e-05	0	0	
##	CSI066	0	0.000000e+00	0.000000e+00	0.000000e+00	0	0	
##	0tu09346	0tu09347	0tu09348	0tu09349	0tu09350	0tu09351	0tu09352	
##	CSI002	0	0	0	2.724387e-05	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##	0tu09353	0tu09354	0tu09355	0tu09356	0tu09357	0tu09358		
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	1.959286e-05	

##	CSI066	0	0	1.916847e-05	0	1.916847e-05	0.000000e+00
##		0tu09359	0tu09360	0tu09361	0tu09362	0tu09363	
##	CSI002	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI013	0	9.587421e-05	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI023	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI034	0	0.000000e+00	0.000000e+00	0.000000e+00	1.894908e-05	
##	CSI045	0	0.000000e+00	6.530186e-05	0.000000e+00	0.000000e+00	
##	CSI056	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI066	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu09364	0tu09365	0tu09366	0tu09367	0tu09368	
##	CSI002	1.362194e-05	0	0.000000e+00	0	0.000000e+00	
##	CSI013	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI034	3.789817e-05	0	0.000000e+00	0	0.000000e+00	
##	CSI045	0.000000e+00	0	3.265093e-05	0	0.000000e+00	
##	CSI056	0.000000e+00	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0.000000e+00	0	5.750542e-05	0	0.000000e+00	
##		0tu09369	0tu09370	0tu09371	0tu09372	0tu09373	0tu09374
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu09376	0tu09377	0tu09378	0tu09379	0tu09380	0tu09381
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI034	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI045	0	3.265093e-05	0.000000e+00	0	0	0
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0
##		0tu09382	0tu09383	0tu09384	0tu09385	0tu09386	0tu09387
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu09389	0tu09390	0tu09391	0tu09392	0tu09393	0tu09394
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0
##		0tu09395	0tu09396	0tu09397	0tu09398	0tu09399	0tu09400
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##							0tu09401
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu09402	0tu09403	0tu09404	0tu09405	0tu09406	0tu09407	
##	CSI002	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI034	1.894908e-05	1.894908e-05	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	1.916847e-05	0	0	
##		0tu09408	0tu09409	0tu09410	0tu09411	0tu09412	0tu09413	
##	CSI002	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI023	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0.000000e+00	7.579634e-05	0	1.894908e-05	0	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0.000000e+00	0	
##		0tu09414	0tu09415	0tu09416	0tu09417	0tu09418	0tu09419	0tu09420
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09421	0tu09422	0tu09423	0tu09424	0tu09425	0tu09426	
##	CSI002	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0	0.000000e+00	0	0	0	1.894908e-05	
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00	
##		0tu09427	0tu09428	0tu09429	0tu09430	0tu09431	0tu09432	0tu09433
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu09434	0tu09435	0tu09436	0tu09437	0tu09438	0tu09439	0tu09440
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09441	0tu09442	0tu09443	0tu09444	0tu09445	0tu09446	0tu09447
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0

##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09448	0tu09449	0tu09450	0tu09451	0tu09452	0tu09453	0tu09454
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09455	0tu09456	0tu09457	0tu09458	0tu09459	0tu09460	0tu09461
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	1.916847e-05	0	0	0	0	0	0
##		0tu09462	0tu09463	0tu09464	0tu09465	0tu09466	0tu09467	
##	CSI002	2.724387e-05	0	0	0	0	0.000000e+00	
##	CSI013	3.195807e-05	0	0	0	0	3.195807e-05	
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI034	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00	
##		0tu09468	0tu09469	0tu09470	0tu09471	0tu09472	0tu09473	
##	CSI002	0 0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI013	0 0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI023	0 0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI034	0 0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI045	0 0.000000e+00	0	0	0	0	3.265093e-05	
##	CSI056	0 0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI066	0 1.916847e-05	0	0	0	0	0.000000e+00	
##		0tu09474	0tu09475	0tu09476	0tu09477	0tu09478	0tu09479	0tu09480
##	CSI002	0	0 0.000000e+00	0	0	0	0	0
##	CSI013	0	0 0.000000e+00	0	0	0	0	0
##	CSI023	0	0 0.000000e+00	0	0	0	0	0
##	CSI034	0	0 3.789817e-05	0	0	0	0	0
##	CSI045	0	0 0.000000e+00	0	0	0	0	0
##	CSI056	0	0 0.000000e+00	0	0	0	0	0
##	CSI066	0	0 0.000000e+00	0	0	0	0	0
##		0tu09481	0tu09482	0tu09483	0tu09484	0tu09485	0tu09486	0tu09487
##	CSI002	0	0	0	0 2.724387e-05	0	0	0
##	CSI013	0	0	0	0 0.000000e+00	0	0	0
##	CSI023	0	0	0	0 0.000000e+00	0	0	0
##	CSI034	0	0	0	0 0.000000e+00	0	0	0
##	CSI045	0	0	0	0 0.000000e+00	0	0	0
##	CSI056	0	0	0	0 0.000000e+00	0	0	0
##	CSI066	0	0	0	0 0.000000e+00	0	0	0
##		0tu09488	0tu09489	0tu09490	0tu09491	0tu09492	0tu09493	0tu09494

##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09495	0tu09496	0tu09497	0tu09498	0tu09499	0tu09500	0tu09501
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09502	0tu09503	0tu09504	0tu09505	0tu09506	0tu09507	0tu09508
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09509	0tu09510	0tu09511	0tu09512	0tu09513	0tu09514	0tu09515
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09516	0tu09517	0tu09518	0tu09519	0tu09520	0tu09521	0tu09522
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	1.894908e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu09523	0tu09524	0tu09525	0tu09526	0tu09527	0tu09528	0tu09529
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09530	0tu09531	0tu09532	0tu09533	0tu09534	0tu09535	0tu09536
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	5.877858e-05	0	0	0	0

##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu09537	0tu09538	0tu09539	0tu09540	0tu09541	0tu09542	0tu09543
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	5.684725e-05	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu09544	0tu09545	0tu09546	0tu09547	0tu09548	0tu09549	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	1.959286e-05	0	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0	
##		0tu09550	0tu09551	0tu09552	0tu09553	0tu09554	0tu09555	0tu09556
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09557	0tu09558	0tu09559	0tu09560	0tu09561	0tu09562	
##	CSI002	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0	0	0.000000e+00	6.391614e-05	
##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00	
##		0tu09563	0tu09564	0tu09565	0tu09566	0tu09567	0tu09568	0tu09569
##	CSI002	0	0	0	2.724387e-05	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu09570	0tu09571	0tu09572	0tu09573	0tu09574	0tu09575	0tu09576
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09577	0tu09578	0tu09579	0tu09580	0tu09581	0tu09582	0tu09583
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09584	0tu09585	0tu09586	0tu09587	0tu09588	0tu09589	0tu09590
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	1.916847e-05	0	0	0	0	0	0
##		0tu09591	0tu09592	0tu09593	0tu09594	0tu09595	0tu09596	0tu09597
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	5.684725e-05	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu09598	0tu09599	0tu09600	0tu09601	0tu09602	0tu09603	0tu09604
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09605	0tu09606	0tu09607	0tu09608	0tu09609	0tu09610	0tu09611
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09612	0tu09613	0tu09614	0tu09615	0tu09616	0tu09617	0tu09618
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	9.587421e-05	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu09619	0tu09620	0tu09621	0tu09622	0tu09623	0tu09624	0tu09625
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09626	0tu09627	0tu09628	0tu09629	0tu09630	0tu09631	
##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00	

##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI066	0	0	1.916847e-05	0	0	1.916847e-05
##		0tu09632	0tu09633	0tu09634	0tu09635	0tu09636	0tu09637
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu09639	0tu09640	0tu09641	0tu09642	0tu09643	0tu09644
##	CSI002	0	0	0.000000e+00	0	1.362194e-05	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	2.041025e-05
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##		0tu09645	0tu09646	0tu09647	0tu09648	0tu09649	0tu09650
##	CSI002	0	0	0	1.362194e-05	0	0
##	CSI013	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0.000000e+00	0	0
##		0tu09652	0tu09653	0tu09654	0tu09655	0tu09656	0tu09657
##	CSI002	0	0	0	0	0	2.724387e-05
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu09659	0tu09660	0tu09661	0tu09662	0tu09663	0tu09664
##	CSI002	0.000000e+00	4.086581e-05	0	0	0.000000e+00	0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	1.959286e-05	0.000000e+00	0	0	0.000000e+00	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0
##		0tu09665	0tu09666	0tu09667	0tu09668	0tu09669	0tu09670
##	CSI002	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	1.894908e-05	0	5.684725e-05	0	0.000000e+00	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##		0tu09671	0tu09672	0tu09673	0tu09674	0tu09675	0tu09676

##	CSI002	0	0	0 0.000000e+00	0	0
##	CSI013	0	0	0 3.195807e-05	0	0
##	CSI023	0	0	0 0.000000e+00	0	0
##	CSI034	0	0	0 0.000000e+00	0	0
##	CSI045	0	0	0 0.000000e+00	0	0
##	CSI056	0	0	0 0.000000e+00	0	0
##	CSI066	0	0	0 0.000000e+00	0	0
##		0tu09677	0tu09678	0tu09679	0tu09680	0tu09681 0tu09682
##	CSI002	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0
##	CSI013	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0
##	CSI023	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0
##	CSI034	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0
##	CSI045	0.000000e+00	0.000000e+00	0	0 9.795279e-05	0
##	CSI056	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0
##	CSI066	0.000000e+00	0.000000e+00	0	0 0.000000e+00	0
##		0tu09683	0tu09684	0tu09685	0tu09686	0tu09687 0tu09688
##	CSI002	0	0 0.000000e+00	1.362194e-05	0	0
##	CSI013	0	0 0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0 0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0 0.000000e+00	0.000000e+00	0	0
##	CSI045	0	0 0.000000e+00	0.000000e+00	0	0
##	CSI056	0	0 1.959286e-05	0.000000e+00	0	0
##	CSI066	0	0 0.000000e+00	0.000000e+00	0	0
##		0tu09689	0tu09690	0tu09691	0tu09692	0tu09693 0tu09694 0tu09695
##	CSI002	0	0	0 0.000000e+00	0	0 0
##	CSI013	0	0	0 0.000000e+00	0	0 0
##	CSI023	0	0	0 0.000000e+00	0	0 0
##	CSI034	0	0	0 3.789817e-05	0	0 0
##	CSI045	0	0	0 0.000000e+00	0	0 0
##	CSI056	0	0	0 0.000000e+00	0	0 0
##	CSI066	0	0	0 0.000000e+00	0	0 0
##		0tu09696	0tu09697	0tu09698	0tu09699	0tu09700 0tu09701 0tu09702
##	CSI002	0	0	0	0	0 0
##	CSI013	0	0	0	0	0 0
##	CSI023	0	0	0	0	0 0
##	CSI034	0	0	0	0	0 0
##	CSI045	0	0	0	0	0 0
##	CSI056	0	0	0	0	0 0
##	CSI066	0	0	0	0	0 0
##		0tu09703	0tu09704	0tu09705	0tu09706	0tu09707 0tu09708
##	CSI002	2.724387e-05	0.000000e+00	0	0	0 0
##	CSI013	0.000000e+00	0.000000e+00	0	0	0 0
##	CSI023	0.000000e+00	0.000000e+00	0	0	0 0
##	CSI034	0.000000e+00	0.000000e+00	0	0	0 0
##	CSI045	0.000000e+00	0.000000e+00	0	0	0 0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0 0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0 0
##		0tu09709	0tu09710	0tu09711	0tu09712	0tu09713 0tu09714
##	CSI002	0.000000e+00	0	0	0	0 0
##	CSI013	0.000000e+00	0	0	0	0 0
##	CSI023	0.000000e+00	0	0	0	0 0
##	CSI034	3.789817e-05	0	0	0	0 0
##	CSI045	0.000000e+00	0	0	0	0 0
##	CSI056	0.000000e+00	0	0	0	0 0


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## CSI066 0.000000e+00      0      0      0      0      0
##      0tu09715 0tu09716 0tu09717 0tu09718 0tu09719 0tu09720 0tu09721
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 3.789817e-05      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu09722 0tu09723      0tu09724      0tu09725 0tu09726 0tu09727
## CSI002      0      0 0.000000e+00 0.000000e+00      0      0
## CSI013      0      0 0.000000e+00 0.000000e+00      0      0
## CSI023      0      0 0.000000e+00 0.000000e+00      0      0
## CSI034      0      0 1.894908e-05 0.000000e+00      0      0
## CSI045      0      0 0.000000e+00 0.000000e+00      0      0
## CSI056      0      0 0.000000e+00 0.000000e+00      0      0
## CSI066      0      0 0.000000e+00 0.000000e+00      0      0
##      0tu09728 0tu09729 0tu09730 0tu09731 0tu09732 0tu09733 0tu09734
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu09735      0tu09736 0tu09737 0tu09738 0tu09739 0tu09740
## CSI002 0.000000e+00 0.000000e+00      0      0      0      0
## CSI013 0.000000e+00 0.000000e+00      0      0      0      0
## CSI023 0.000000e+00 0.000000e+00      0      0      0      0
## CSI034 5.684725e-05 5.684725e-05      0      0      0      0
## CSI045 0.000000e+00 0.000000e+00      0      0      0      0
## CSI056 0.000000e+00 0.000000e+00      0      0      0      0
## CSI066 0.000000e+00 0.000000e+00      0      0      0      0
##      0tu09741 0tu09742 0tu09743 0tu09744 0tu09745 0tu09746 0tu09747
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu09748 0tu09749 0tu09750 0tu09751 0tu09752 0tu09753 0tu09754
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu09755 0tu09756 0tu09757      0tu09758 0tu09759 0tu09760 0tu09761
## CSI002      0      0      0 0.000000e+00      0      0      0
## CSI013      0      0      0 9.587421e-05      0      0      0
## CSI023      0      0      0 0.000000e+00      0      0      0
## CSI034      0      0      0 0.000000e+00      0      0      0

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##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu09762	0tu09763	0tu09764	0tu09765	0tu09766	0tu09767	0tu09768
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu09769	0tu09770	0tu09771	0tu09772	0tu09773	0tu09774	
##	CSI002	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0	0	0.000000e+00	3.265093e-05	
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00	
##		0tu09775	0tu09776	0tu09777	0tu09778	0tu09779	0tu09780	0tu09781
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	3.195807e-05	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu09782	0tu09783	0tu09784	0tu09785	0tu09786	0tu09787	0tu09788
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09789	0tu09790	0tu09791	0tu09792	0tu09793	0tu09794	0tu09795
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09796	0tu09797	0tu09798	0tu09799	0tu09800	0tu09801	0tu09802
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09803	0tu09804	0tu09805	0tu09806	0tu09807	0tu09808	0tu09809
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0

##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	3.789817e-05	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##	0tu09810	0tu09811	0tu09812	0tu09813	0tu09814	0tu09815	0tu09816	
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##	0tu09817	0tu09818	0tu09819	0tu09820	0tu09821	0tu09822	0tu09823	
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##	0tu09824	0tu09825	0tu09826	0tu09827	0tu09828	0tu09829	0tu09830	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	0tu09831	0tu09832	0tu09833	0tu09834	0tu09835	0tu09836	0tu09837	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	0tu09838	0tu09839	0tu09840	0tu09841	0tu09842	0tu09843	0tu09844	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	0tu09845	0tu09846	0tu09847	0tu09848	0tu09849	0tu09850	0tu09851	
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	3.265093e-05
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##	0tu09852	0tu09853	0tu09854	0tu09855	0tu09856	0tu09857	0tu09858	

##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		0tu09859	0tu09860	0tu09861	0tu09862	0tu09863	0tu09864
##	CSI002	0	0	0	0	0	0 0.000000e+00
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 0.000000e+00
##	CSI045	0	0	0	0	0	0 6.530186e-05
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		0tu09866	0tu09867	0tu09868	0tu09869	0tu09870	0tu09871
##	CSI002	0	0	0	0	0	0 1.362194e-05
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 0.000000e+00
##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		0tu09873	0tu09874	0tu09875	0tu09876	0tu09877	0tu09878
##	CSI002	0	0	0	0	0	0 0.000000e+00
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 5.684725e-05
##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		0tu09880	0tu09881	0tu09882	0tu09883	0tu09884	0tu09885
##	CSI002	0 0.000000e+00		0	0	0	0
##	CSI013	0 0.000000e+00		0	0	0	0
##	CSI023	0 0.000000e+00		0	0	0	0
##	CSI034	0 0.000000e+00		0	0	0	0
##	CSI045	0 6.530186e-05		0	0	0	0
##	CSI056	0 0.000000e+00		0	0	0	0
##	CSI066	0 0.000000e+00		0	0	0	0
##		0tu09887	0tu09888	0tu09889	0tu09890	0tu09891	0tu09892
##	CSI002	0	0 2.724387e-05		0	0	0
##	CSI013	0	0 0.000000e+00		0	0	0
##	CSI023	0	0 0.000000e+00		0	0	0
##	CSI034	0	0 0.000000e+00		0	0	0
##	CSI045	0	0 0.000000e+00		0	0	0
##	CSI056	0	0 0.000000e+00		0	0	0
##	CSI066	0	0 0.000000e+00		0	0	0
##		0tu09894	0tu09895	0tu09896	0tu09897	0tu09898	0tu09899
##	CSI002	0	0	0	0 0.000000e+00		0
##	CSI013	0	0	0	0 0.000000e+00		0
##	CSI023	0	0	0	0 0.000000e+00		0
##	CSI034	0	0	0	0 0.000000e+00		0
##	CSI045	0	0	0	0 0.000000e+00		0
##	CSI056	0	0	0	0 1.959286e-05		0

##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu09901	0tu09902	0tu09903	0tu09904	0tu09905	0tu09906	
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI066	0	0	0	0.000000e+00	1.916847e-05	0	
##		0tu09907	0tu09908	0tu09909	0tu09910	0tu09911	0tu09912	
##	CSI002	0	0	0.000000e+00	0	1.362194e-05	0	
##	CSI013	0	0	0.000000e+00	0	3.195807e-05	0	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0	
##		0tu09913	0tu09914	0tu09915	0tu09916	0tu09917	0tu09918	
##	CSI002	0	0	0	1.362194e-05	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0	0.000000e+00	2.041025e-05	0.000000e+00	
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0.000000e+00	
##		0tu09919	0tu09920	0tu09921	0tu09922	0tu09923	0tu09924	
##	CSI002	0.000000e+00	0	1.362194e-05	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	
##		0tu09925	0tu09926	0tu09927	0tu09928	0tu09929	0tu09930	
##	CSI002	0	0	0.000000e+00	0	0	1.362194e-05	
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI034	0	0	1.894908e-05	0	0	0.000000e+00	
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI056	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI066	0	0	0.000000e+00	0	0	0.000000e+00	
##		0tu09931	0tu09932	0tu09933	0tu09934	0tu09935	0tu09936	0tu09937
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	3.195807e-05	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	1.894908e-05	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu09938	0tu09939	0tu09940	0tu09941	0tu09942	0tu09943	0tu09944
##	CSI002	0	4.086581e-05	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0

##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu09945	0tu09946	0tu09947	0tu09948	0tu09949	0tu09950	0tu09951
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu09952	0tu09953	0tu09954	0tu09955	0tu09956	0tu09957	
##	CSI002	0	0.000000e+00	0	1.362194e-05	0	0	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI034	0	1.894908e-05	0	0.000000e+00	0	0	
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0	
##		0tu09958	0tu09959	0tu09960	0tu09961	0tu09962	0tu09963	0tu09964
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09965	0tu09966	0tu09967	0tu09968	0tu09969	0tu09970	0tu09971
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09972	0tu09973	0tu09974	0tu09975	0tu09976	0tu09977	0tu09978
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu09979	0tu09980	0tu09981	0tu09982	0tu09983	0tu09984	0tu09985
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	5.684725e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu09986	0tu09987	0tu09988	0tu09989	0tu09990	0tu09991	
##	CSI002	0	0	0	0.0000000000	0	0.000000e+00	
##	CSI013	0	0	0	0.0000000000	0	0.000000e+00	

##	CSI023	0	0	0	0.0000000000	0	0.000000e+00
##	CSI034	0	0	0	0.0000000000	0	3.789817e-05
##	CSI045	0	0	0	0.0000000000	0	0.000000e+00
##	CSI056	0	0	0	0.0000000000	0	0.000000e+00
##	CSI066	0	0	0	0.0000000000	0	0.000000e+00
##		Otu09992	Otu09993	Otu09994	Otu09995	Otu09996	Otu09997 Otu09998
##	CSI002	0	0	0	0	0.000000e+00	0 0
##	CSI013	0	0	0	0	0.000000e+00	0 0
##	CSI023	0	0	0	0	0.000000e+00	0 0
##	CSI034	0	0	0	0	0.000000e+00	0 0
##	CSI045	0	0	0	0	0.000000e+00	0 0
##	CSI056	0	0	0	0	0.000000e+00	0 0
##	CSI066	0	0	0	0	3.833694e-05	0 0
##		Otu09999	Otu10000	Otu10001	Otu10002	Otu10003	Otu10004 Otu10005
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu10006	Otu10007	Otu10008	Otu10009	Otu10010	Otu10011
##	CSI002	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0	3.789817e-05	0	0	0.000000e+00	0
##	CSI045	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	0
##		Otu10012	Otu10013	Otu10014	Otu10015	Otu10016	Otu10017 Otu10018
##	CSI002	0	0	0	1.362194e-05	0	0 0
##	CSI013	0	0	0	0.000000e+00	0	0 0
##	CSI023	0	0	0	0.000000e+00	0	0 0
##	CSI034	0	0	0	0.000000e+00	0	0 0
##	CSI045	0	0	0	0.000000e+00	0	0 0
##	CSI056	0	0	0	3.918572e-05	0	0 0
##	CSI066	0	0	0	0.000000e+00	0	0 0
##		Otu10019	Otu10020	Otu10021	Otu10022	Otu10023	Otu10024 Otu10025
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu10026	Otu10027	Otu10028	Otu10029	Otu10030	Otu10031 Otu10032
##	CSI002	0	0	0.000000e+00	0	0	0 0
##	CSI013	0	0	0.000000e+00	0	0	0 0
##	CSI023	0	0	0.000000e+00	0	0	0 0
##	CSI034	0	0	0.000000e+00	0	0	0 0
##	CSI045	0	0	0.000000e+00	0	0	0 0
##	CSI056	0	0	0.000000e+00	0	0	0 0
##	CSI066	0	0	0.000000e+00	0	0	0 0
##		Otu10033	Otu10034	Otu10035	Otu10036	Otu10037	Otu10038 Otu10039

##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10040	Otu10041	Otu10042	Otu10043	Otu10044	Otu10045	Otu10046
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	5.684725e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu10047	Otu10048	Otu10049	Otu10050	Otu10051	Otu10052	Otu10053
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10054	Otu10055	Otu10056	Otu10057	Otu10058	Otu10059	Otu10060
##	CSI002	0	0	2.724387e-05	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu10061	Otu10062	Otu10063	Otu10064	Otu10065	Otu10066	Otu10067
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	2.041025e-05	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu10068	Otu10069	Otu10070	Otu10071	Otu10072	Otu10073	Otu10074
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10075	Otu10076	Otu10077	Otu10078	Otu10079	Otu10080	Otu10081
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	3.195807e-05	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	1.894908e-05	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0

##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu10082	0tu10083	0tu10084	0tu10085	0tu10086	0tu10087	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	0.000000e+00	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	0.000000e+00	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	0.000000e+00	0	0	0	0	0	
##	CSI066	0.000000e+00	0	0	0	0	0	
##		0tu10088	0tu10089	0tu10090	0tu10091	0tu10092	0tu10093	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	0.000000e+00	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	0.000000e+00	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	0.000000e+00	0	0	0	0	0	
##	CSI066	1.916847e-05	0	0	0	0	0	
##		0tu10094	0tu10095	0tu10096	0tu10097	0tu10098	0tu10099	
##	CSI002	0.000000e+00	1.362194e-05	0	0	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	1.894908e-05	3.789817e-05	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0	
##		0tu10100	0tu10101	0tu10102	0tu10103	0tu10104	0tu10105	0tu10106
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	3.195807e-05	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu10107	0tu10108	0tu10109	0tu10110	0tu10111	0tu10112	0tu10113
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	3.789817e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu10114	0tu10115	0tu10116	0tu10117	0tu10118	0tu10119	0tu10120
##	CSI002	0	0	0	1.362194e-05	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu10121	0tu10122	0tu10123	0tu10124	0tu10125	0tu10126	0tu10127
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0

##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu10128	Otu10129	Otu10130	Otu10131	Otu10132	Otu10133	
##	CSI002	0	0	0	0	0.000000e+00	0	
##	CSI013	0	0	0	0	3.195807e-05	0	
##	CSI023	0	0	0	0	0.000000e+00	0	
##	CSI034	0	0	0	0	0.000000e+00	0	
##	CSI045	0	0	0	0	0.000000e+00	0	
##	CSI056	0	0	0	0	0.000000e+00	0	
##	CSI066	0	0	0	0	0.000000e+00	0	
##		Otu10134	Otu10135	Otu10136	Otu10137	Otu10138	Otu10139	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	3.195807e-05	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	0.000000e+00	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	0.000000e+00	0	0	0	0	0	
##	CSI066	0.000000e+00	0	0	0	0	0	
##		Otu10140	Otu10141	Otu10142	Otu10143	Otu10144	Otu10145	Otu10146
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu10147	Otu10148	Otu10149	Otu10150	Otu10151	Otu10152	Otu10153
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	3.195807e-05
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu10154	Otu10155	Otu10156	Otu10157	Otu10158	Otu10159	Otu10160
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu10161	Otu10162	Otu10163	Otu10164	Otu10165	Otu10166	Otu10167
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	2.041025e-05	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu10168	Otu10169	Otu10170	Otu10171	Otu10172	Otu10173	
##	CSI002	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI013	0	0	0	0.000000e+00	0	0.000000e+00	

##	CSI023	0	0	0 0.000000e+00	0 0.000000e+00		
##	CSI034	0	0	0 3.789817e-05	0 0.000000e+00		
##	CSI045	0	0	0 0.000000e+00	0 0.000000e+00		
##	CSI056	0	0	0 0.000000e+00	0 1.959286e-05		
##	CSI066	0	0	0 0.000000e+00	0 0.000000e+00		
##		Otu10174	Otu10175	Otu10176	Otu10177	Otu10178	Otu10179
##	CSI002	0	0 0.000000e+00	0	0	0	0
##	CSI013	0	0 0.000000e+00	0	0	0	0
##	CSI023	0	0 0.000000e+00	0	0	0	0
##	CSI034	0	0 0.000000e+00	0	0	0	0
##	CSI045	0	0 0.000000e+00	0	0	0	0
##	CSI056	0	0 0.000000e+00	0	0	0	0
##	CSI066	0	0 0.000000e+00	0	0	0	0
##		Otu10180	Otu10181	Otu10182	Otu10183	Otu10184	Otu10185
##	CSI002	1.362194e-05	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI013	0.000000e+00	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI023	0.000000e+00	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI034	1.894908e-05	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0 6.530186e-05	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0 0.000000e+00	0.000000e+00	0	0	0
##		Otu10186	Otu10187	Otu10188	Otu10189	Otu10190	Otu10191
##	CSI002	0 0.000000e+00	0	0	0	0	0
##	CSI013	0 0.000000e+00	0	0	0	0	0
##	CSI023	0 0.000000e+00	0	0	0	0	0
##	CSI034	0 1.894908e-05	0	0	0	0	0
##	CSI045	0 0.000000e+00	0	0	0	0	0
##	CSI056	0 0.000000e+00	0	0	0	0	0
##	CSI066	0 0.000000e+00	0	0	0	0	0
##		Otu10193	Otu10194	Otu10195	Otu10196	Otu10197	Otu10198
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu10200	Otu10201	Otu10202	Otu10203	Otu10204	Otu10205
##	CSI002	0	0 1.362194e-05	0.000000e+00	0	0	0
##	CSI013	0	0 3.195807e-05	0.000000e+00	0	0	0
##	CSI023	0	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI034	0	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI045	0	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI056	0	0 0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0	0 0.000000e+00	0.000000e+00	0	0	0
##		Otu10206	Otu10207	Otu10208	Otu10209	Otu10210	Otu10211
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu10213	Otu10214	Otu10215	Otu10216	Otu10217	Otu10218
##		Otu10219					

##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu10220	0tu10221	0tu10222	0tu10223	0tu10224	0tu10225	0tu10226
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu10227	0tu10228	0tu10229	0tu10230	0tu10231	0tu10232	0tu10233
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu10234	0tu10235	0tu10236	0tu10237	0tu10238	0tu10239	0tu10240
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu10241	0tu10242	0tu10243	0tu10244	0tu10245	0tu10246	0tu10247
##	CSI002	0	0	1.362194e-05	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu10248	0tu10249	0tu10250	0tu10251	0tu10252	0tu10253	0tu10254
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	1.959286e-05
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu10255	0tu10256	0tu10257	0tu10258	0tu10259	0tu10260	0tu10261
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0

##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu10262	0tu10263	0tu10264	0tu10265	0tu10266	0tu10267	0tu10268
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	5.684725e-05	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu10269	0tu10270	0tu10271	0tu10272	0tu10273	0tu10274	
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI056	0	0	0	0.000000e+00	3.918572e-05	0	
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0	
##		0tu10275	0tu10276	0tu10277	0tu10278	0tu10279	0tu10280	0tu10281
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		0tu10282	0tu10283	0tu10284	0tu10285	0tu10286	0tu10287	0tu10288
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu10289	0tu10290	0tu10291	0tu10292	0tu10293	0tu10294	0tu10295
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	5.684725e-05	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu10296	0tu10297	0tu10298	0tu10299	0tu10300	0tu10301	0tu10302
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	3.789817e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		0tu10303	0tu10304	0tu10305	0tu10306	0tu10307	0tu10308	0tu10309
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu10310	Otu10311	Otu10312	Otu10313	Otu10314	Otu10315		
##	CSI002	0 0.000000e+00	0	0 0.000000e+00	0			
##	CSI013	0 0.000000e+00	0	0 0.000000e+00	0			
##	CSI023	0 2.041025e-05	0	0 0.000000e+00	0			
##	CSI034	0 0.000000e+00	0	0 3.789817e-05	0			
##	CSI045	0 0.000000e+00	0	0 0.000000e+00	0			
##	CSI056	0 0.000000e+00	0	0 0.000000e+00	0			
##	CSI066	0 0.000000e+00	0	0 0.000000e+00	0			
##	Otu10316	Otu10317	Otu10318	Otu10319	Otu10320	Otu10321	Otu10322	
##	CSI002	0 0.000000e+00	0	0	0	0	0	
##	CSI013	0 0.000000e+00	0	0	0	0	0	
##	CSI023	0 0.000000e+00	0	0	0	0	0	
##	CSI034	0 0.000000e+00	0	0	0	0	0	
##	CSI045	0 0.000000e+00	0	0	0	0	0	
##	CSI056	0 3.918572e-05	0	0	0	0	0	
##	CSI066	0 0.000000e+00	0	0	0	0	0	
##	Otu10323	Otu10324	Otu10325	Otu10326	Otu10327	Otu10328	Otu10329	
##	CSI002	0	0	0	0	0	0 0.0000000000	
##	CSI013	0	0	0	0	0	0 0.0000000000	
##	CSI023	0	0	0	0	0	0 0.0000000000	
##	CSI034	0	0	0	0	0	0 0.0000000000	
##	CSI045	0	0	0	0	0	0 0.0000000000	
##	CSI056	0	0	0	0	0	0 0.0000000000	
##	CSI066	0	0	0	0	0	0 0.0000000000	
##	Otu10330	Otu10331	Otu10332	Otu10333	Otu10334	Otu10335	Otu10336	
##	CSI002	0	0	0 0.000000e+00	0	0	0	
##	CSI013	0	0	0 0.000000e+00	0	0	0	
##	CSI023	0	0	0 0.000000e+00	0	0	0	
##	CSI034	0	0	0 0.000000e+00	0	0	0	
##	CSI045	0	0	0 0.000000e+00	0	0	0	
##	CSI056	0	0	0 0.000000e+00	0	0	0	
##	CSI066	0	0	0 0.000000e+00	0	0	0	
##	Otu10337	Otu10338	Otu10339	Otu10340	Otu10341	Otu10342	Otu10343	
##	CSI002	0	0	0 0.000000e+00	0	0	0	
##	CSI013	0	0	0 0.000000e+00	0	0	0	
##	CSI023	0	0	0 0.000000e+00	0	0	0	
##	CSI034	0	0	0 0.000000e+00	0	0	0	
##	CSI045	0	0	0 0.000000e+00	0	0	0	
##	CSI056	0	0	0 0.000000e+00	0	0	0	
##	CSI066	0	0	0 0.000000e+00	0	0	0	
##	Otu10344	Otu10345	Otu10346	Otu10347	Otu10348	Otu10349		
##	CSI002	2.724387e-05	0 0.000000e+00	0	0	0		
##	CSI013	0.000000e+00	0 0.000000e+00	0	0	0		
##	CSI023	0.000000e+00	0 0.000000e+00	0	0	0		
##	CSI034	0.000000e+00	0 0.000000e+00	0	0	0		
##	CSI045	0.000000e+00	0 0.000000e+00	0	0	0		
##	CSI056	0.000000e+00	0 0.000000e+00	0	0	0		
##	CSI066	0.000000e+00	0 0.000000e+00	0	0	0		
##	Otu10350	Otu10351	Otu10352	Otu10353	Otu10354	Otu10355	Otu10356	
##	CSI002	0	0	0	0	0	0 0.000000e+00	
##	CSI013	0	0	0	0	0	0 0.000000e+00	

##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	5.684725e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu10357	Otu10358	Otu10359	Otu10360	Otu10361	Otu10362	Otu10363
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10364	Otu10365	Otu10366	Otu10367	Otu10368	Otu10369	Otu10370
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10371	Otu10372	Otu10373	Otu10374	Otu10375	Otu10376	Otu10377
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu10378	Otu10379	Otu10380	Otu10381	Otu10382	Otu10383	Otu10384
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10385	Otu10386	Otu10387	Otu10388	Otu10389	Otu10390	Otu10391
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10392	Otu10393	Otu10394	Otu10395	Otu10396	Otu10397	Otu10398
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu10399	Otu10400	Otu10401	Otu10402	Otu10403	Otu10404	Otu10405

##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu10406	Otu10407	Otu10408	Otu10409	Otu10410	Otu10411	Otu10412
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu10413	Otu10414	Otu10415	Otu10416	Otu10417	Otu10418	Otu10419
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10420	Otu10421	Otu10422	Otu10423	Otu10424	Otu10425	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0	1.916847e-05	0	0	
##		Otu10426	Otu10427	Otu10428	Otu10429	Otu10430	Otu10431	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0	0	3.265093e-05	0	0	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0	
##		Otu10432	Otu10433	Otu10434	Otu10435	Otu10436	Otu10437	
##	CSI002	1.362194e-05	0.000000e+00	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	3.195807e-05	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0.000000e+00	0	
##		Otu10438	Otu10439	Otu10440	Otu10441	Otu10442	Otu10443	
##	CSI002	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI034	0.000000e+00	0	0.000000e+00	1.894908e-05	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI056	1.959286e-05	0	1.959286e-05	0.000000e+00	0	0	

##	CSI066	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0
##		0tu10444	0tu10445	0tu10446	0tu10447	0tu10448	0tu10449
##	CSI002	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI034	5.684725e-05	0	0	0	0	5.684725e-05
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00
##		0tu10450	0tu10451	0tu10452	0tu10453	0tu10454	0tu10455
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	3.265093e-05	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu10457	0tu10458	0tu10459	0tu10460	0tu10461	0tu10462
##	CSI002	0	0	0	0	0	2.724387e-05
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		0tu10464	0tu10465	0tu10466	0tu10467	0tu10468	0tu10469
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI034	0.000000e+00	0	0	1.894908e-05	0	0
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0
##	CSI056	1.959286e-05	0	0	0.000000e+00	0	0
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0
##		0tu10470	0tu10471	0tu10472	0tu10473	0tu10474	0tu10475
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		0tu10477	0tu10478	0tu10479	0tu10480	0tu10481	0tu10482
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	1.959286e-05	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu10484	0tu10485	0tu10486	0tu10487	0tu10488	0tu10489
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00

##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	1.916847e-05	0
##		Otu10491	Otu10492	Otu10493	Otu10494	Otu10495	Otu10496	Otu10497
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10498	Otu10499	Otu10500	Otu10501	Otu10502	Otu10503	Otu10504
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	6.530186e-05
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu10505	Otu10506	Otu10507	Otu10508	Otu10509	Otu10510	Otu10511
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10512	Otu10513	Otu10514	Otu10515	Otu10516	Otu10517	
##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI034	0	0.000000e+00	0	3.789817e-05	0	0	
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0	
##		Otu10518	Otu10519	Otu10520	Otu10521	Otu10522	Otu10523	Otu10524
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu10525	Otu10526	Otu10527	Otu10528	Otu10529	Otu10530	Otu10531
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10532	Otu10533	Otu10534	Otu10535	Otu10536	Otu10537	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	0.000000e+00	0	0	0	0	0	

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## CSI023 0.000000e+00      0      0      0      0      0
## CSI034 1.894908e-05      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0
##      0tu10538 0tu10539 0tu10540 0tu10541 0tu10542 0tu10543
## CSI002 0.000000e+00      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0
## CSI034 1.894908e-05      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0
##      0tu10544 0tu10545 0tu10546 0tu10547 0tu10548 0tu10549 0tu10550
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 2.041025e-05      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu10551      0tu10552 0tu10553 0tu10554 0tu10555      0tu10556
## CSI002      0 0.000000e+00      0      0      0 4.086581e-05
## CSI013      0 0.000000e+00      0      0      0 0.000000e+00
## CSI023      0 0.000000e+00      0      0      0 0.000000e+00
## CSI034      0 5.684725e-05      0      0      0 0.000000e+00
## CSI045      0 0.000000e+00      0      0      0 0.000000e+00
## CSI056      0 0.000000e+00      0      0      0 0.000000e+00
## CSI066      0 0.000000e+00      0      0      0 0.000000e+00
##      0tu10557 0tu10558 0tu10559 0tu10560 0tu10561      0tu10562
## CSI002 0.000000e+00      0      0      0      0 0.000000e+00
## CSI013 0.000000e+00      0      0      0      0 3.195807e-05
## CSI023 0.000000e+00      0      0      0      0 0.000000e+00
## CSI034 3.789817e-05      0      0      0      0 0.000000e+00
## CSI045 0.000000e+00      0      0      0      0 0.000000e+00
## CSI056 0.000000e+00      0      0      0      0 0.000000e+00
## CSI066 0.000000e+00      0      0      0      0 0.000000e+00
##      0tu10563 0tu10564 0tu10565 0tu10566 0tu10567 0tu10568 0tu10569
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu10570 0tu10571 0tu10572 0tu10573 0tu10574 0tu10575
## CSI002 0.000000e+00      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0
##      0tu10576      0tu10577 0tu10578 0tu10579 0tu10580 0tu10581

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##	CSI002	1.362194e-05	0.000000e+00	0	0	0	0	
##	CSI013	0.000000e+00	3.195807e-05	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	1.894908e-05	0.000000e+00	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0	
##		Otu10582	Otu10583	Otu10584	Otu10585	Otu10586	Otu10587	Otu10588
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10589	Otu10590	Otu10591	Otu10592	Otu10593	Otu10594	
##	CSI002	0	1.362194e-05	0	0	0	0.000000e+00	
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00	
##		Otu10595	Otu10596	Otu10597	Otu10598	Otu10599	Otu10600	Otu10601
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10602	Otu10603	Otu10604	Otu10605	Otu10606	Otu10607	Otu10608
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		Otu10609	Otu10610	Otu10611	Otu10612	Otu10613	Otu10614	Otu10615
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10616	Otu10617	Otu10618	Otu10619	Otu10620	Otu10621	Otu10622
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	1.959286e-05	0	0	0

##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu10623	Otu10624	Otu10625	Otu10626	Otu10627	Otu10628	
##	CSI002	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI013	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI034	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI045	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI056	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	0	
##		Otu10629	Otu10630	Otu10631	Otu10632	Otu10633	Otu10634	Otu10635
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu10636	Otu10637	Otu10638	Otu10639	Otu10640	Otu10641	Otu10642
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10643	Otu10644	Otu10645	Otu10646	Otu10647	Otu10648	Otu10649
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10650	Otu10651	Otu10652	Otu10653	Otu10654	Otu10655	Otu10656
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10657	Otu10658	Otu10659	Otu10660	Otu10661	Otu10662	Otu10663
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10664	Otu10665	Otu10666	Otu10667	Otu10668	Otu10669	
##	CSI002	0	0	0	0	0	0.000000e+00	
##	CSI013	0	0	0	0	0	0.000000e+00	
##	CSI023	0	0	0	0	0	0.000000e+00	
##	CSI034	0	0	0	0	0	0.000000e+00	

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## CSI045      0      0      0      0      0 3.265093e-05
## CSI056      0      0      0      0      0 0.000000e+00
## CSI066      0      0      0      0      0 0.000000e+00
##      0tu10670 0tu10671      0tu10672 0tu10673 0tu10674 0tu10675
## CSI002 0.000000e+00      0 2.724387e-05      0      0      0
## CSI013 3.195807e-05      0 0.000000e+00      0      0      0
## CSI023 0.000000e+00      0 0.000000e+00      0      0      0
## CSI034 0.000000e+00      0 0.000000e+00      0      0      0
## CSI045 0.000000e+00      0 0.000000e+00      0      0      0
## CSI056 0.000000e+00      0 0.000000e+00      0      0      0
## CSI066 0.000000e+00      0 0.000000e+00      0      0      0
##      0tu10676 0tu10677 0tu10678 0tu10679 0tu10680 0tu10681 0tu10682
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu10683 0tu10684 0tu10685 0tu10686 0tu10687 0tu10688 0tu10689
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 1.959286e-05      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu10690 0tu10691      0tu10692 0tu10693 0tu10694 0tu10695 0tu10696
## CSI002      0      0 0.000000e+00      0      0      0      0
## CSI013      0      0 0.000000e+00      0      0      0      0
## CSI023      0      0 0.000000e+00      0      0      0      0
## CSI034      0      0 1.894908e-05      0      0      0      0
## CSI045      0      0 0.000000e+00      0      0      0      0
## CSI056      0      0 0.000000e+00      0      0      0      0
## CSI066      0      0 0.000000e+00      0      0      0      0
##      0tu10697 0tu10698 0tu10699 0tu10700 0tu10701 0tu10702 0tu10703
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu10704 0tu10705 0tu10706 0tu10707 0tu10708      0tu10709 0tu10710
## CSI002      0      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0      0 3.195807e-05      0
## CSI023      0      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0      0 0.000000e+00      0
## CSI045      0      0      0      0      0 0.000000e+00      0
## CSI056      0      0      0      0      0 0.000000e+00      0
## CSI066      0      0      0      0      0 0.000000e+00      0
##      0tu10711 0tu10712 0tu10713 0tu10714 0tu10715 0tu10716 0tu10717
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0

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##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10718	Otu10719	Otu10720	Otu10721	Otu10722	Otu10723	Otu10724
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10725	Otu10726	Otu10727	Otu10728	Otu10729	Otu10730	Otu10731
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10732	Otu10733	Otu10734	Otu10735	Otu10736	Otu10737	
##	CSI002	0	0	0.000000e+00	0	0	0	
##	CSI013	0	0	0.000000e+00	0	0	0	
##	CSI023	0	0	0.000000e+00	0	0	0	
##	CSI034	0	0	1.894908e-05	0	0	0	
##	CSI045	0	0	0.000000e+00	0	0	0	
##	CSI056	0	0	0.000000e+00	0	0	0	
##	CSI066	0	0	0.000000e+00	0	0	0	
##		Otu10738	Otu10739	Otu10740	Otu10741	Otu10742	Otu10743	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI066	0.000000e+00	1.916847e-05	0	0	0	0	
##		Otu10744	Otu10745	Otu10746	Otu10747	Otu10748	Otu10749	
##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI034	0	0	3.789817e-05	0	0	0.000000e+00	
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI056	0	0	0.000000e+00	0	0	1.959286e-05	
##	CSI066	0	0	0.000000e+00	0	0	0.000000e+00	
##		Otu10750	Otu10751	Otu10752	Otu10753	Otu10754	Otu10755	Otu10756
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu10757	Otu10758	Otu10759	Otu10760	Otu10761	Otu10762	

##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI034	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0	1.959286e-05
##	CSI066	0	0	1.916847e-05	0	0	0.000000e+00
##	Otu10763	Otu10764	Otu10765	Otu10766	Otu10767	Otu10768	
##	CSI002	0	0.000000e+00	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0
##	CSI045	0	3.265093e-05	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0
##	Otu10769	Otu10770	Otu10771	Otu10772	Otu10773	Otu10774	Otu10775
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	3.833694e-05	0	0	0	0	0
##	Otu10776	Otu10777	Otu10778	Otu10779	Otu10780	Otu10781	Otu10782
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##	Otu10783	Otu10784	Otu10785	Otu10786	Otu10787	Otu10788	Otu10789
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##	Otu10790	Otu10791	Otu10792	Otu10793	Otu10794	Otu10795	Otu10796
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##	Otu10797	Otu10798	Otu10799	Otu10800	Otu10801	Otu10802	Otu10803
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0

##	CSI066	0	0	0	0	0	0	0
##		Otu10804	Otu10805	Otu10806	Otu10807	Otu10808	Otu10809	
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0	0.000000e+00	0	6.391614e-05	0	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	1.959286e-05	0	0.000000e+00	0	
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0	
##		Otu10810	Otu10811	Otu10812	Otu10813	Otu10814	Otu10815	Otu10816
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	1.894908e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu10817	Otu10818	Otu10819	Otu10820	Otu10821	Otu10822	Otu10823
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10824	Otu10825	Otu10826	Otu10827	Otu10828	Otu10829	Otu10830
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10831	Otu10832	Otu10833	Otu10834	Otu10835	Otu10836	Otu10837
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10838	Otu10839	Otu10840	Otu10841	Otu10842	Otu10843	Otu10844
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10845	Otu10846	Otu10847	Otu10848	Otu10849	Otu10850	Otu10851
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10852	Otu10853	Otu10854	Otu10855	Otu10856	Otu10857	Otu10858
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10859	Otu10860	Otu10861	Otu10862	Otu10863	Otu10864	Otu10865
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10866	Otu10867	Otu10868	Otu10869	Otu10870	Otu10871	Otu10872
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	6.391614e-05	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu10873	Otu10874	Otu10875	Otu10876	Otu10877	Otu10878	Otu10879
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10880	Otu10881	Otu10882	Otu10883	Otu10884	Otu10885	
##	CSI002	0	0	1.362194e-05	2.724387e-05	0	0	
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI034	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0	
##		Otu10886	Otu10887	Otu10888	Otu10889	Otu10890	Otu10891	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	0.000000e+00	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	0.000000e+00	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	0.000000e+00	0	0	0	0	0	
##	CSI066	1.916847e-05	0	0	0	0	0	
##		Otu10892	Otu10893	Otu10894	Otu10895	Otu10896	Otu10897	Otu10898
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0

```

## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 0.000000e+00      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu10899 0tu10900 0tu10901 0tu10902 0tu10903 0tu10904 0tu10905
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu10906 0tu10907      0tu10908 0tu10909 0tu10910 0tu10911 0tu10912
## CSI002      0      0 0.000000e+00      0      0      0      0
## CSI013      0      0 0.000000e+00      0      0      0      0
## CSI023      0      0 0.000000e+00      0      0      0      0
## CSI034      0      0 3.789817e-05      0      0      0      0
## CSI045      0      0 0.000000e+00      0      0      0      0
## CSI056      0      0 0.000000e+00      0      0      0      0
## CSI066      0      0 0.000000e+00      0      0      0      0
##      0tu10913 0tu10914 0tu10915 0tu10916 0tu10917      0tu10918 0tu10919
## CSI002      0      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0      0 0.000000e+00      0
## CSI023      0      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0      0 0.000000e+00      0
## CSI045      0      0      0      0      0 6.530186e-05      0
## CSI056      0      0      0      0      0 0.000000e+00      0
## CSI066      0      0      0      0      0 0.000000e+00      0
##      0tu10920 0tu10921 0tu10922 0tu10923 0tu10924 0tu10925 0tu10926
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu10927 0tu10928 0tu10929 0tu10930 0tu10931 0tu10932 0tu10933
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu10934 0tu10935 0tu10936 0tu10937      0tu10938 0tu10939 0tu10940
## CSI002      0      0      0      0 0.000000e+00      0      0
## CSI013      0      0      0      0 6.391614e-05      0      0
## CSI023      0      0      0      0 0.000000e+00      0      0
## CSI034      0      0      0      0 0.000000e+00      0      0
## CSI045      0      0      0      0 0.000000e+00      0      0
## CSI056      0      0      0      0 0.000000e+00      0      0
## CSI066      0      0      0      0 0.000000e+00      0      0
##      0tu10941 0tu10942 0tu10943 0tu10944 0tu10945 0tu10946 0tu10947

```

##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10948	Otu10949	Otu10950	Otu10951	Otu10952	Otu10953	Otu10954
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10955	Otu10956	Otu10957	Otu10958	Otu10959	Otu10960	Otu10961
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10962	Otu10963	Otu10964	Otu10965	Otu10966	Otu10967	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	3.789817e-05	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##		Otu10968	Otu10969	Otu10970	Otu10971	Otu10972	Otu10973	Otu10974
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu10975	Otu10976	Otu10977	Otu10978	Otu10979	Otu10980	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI013	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI056	0.000000e+00	3.918572e-05	0	0	0	0	
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0	
##		Otu10981	Otu10982	Otu10983	Otu10984	Otu10985	Otu10986	Otu10987
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0

## CSI066	0	0	0	0	0	0	0
##	Otu10988	Otu10989	Otu10990	Otu10991	Otu10992	Otu10993	
## CSI002	0.000000e+00	0	0	0	0	0.000000e+00	
## CSI013	0.000000e+00	0	0	0	0	0.000000e+00	
## CSI023	4.082049e-05	0	0	0	0	0.000000e+00	
## CSI034	0.000000e+00	0	0	0	0	0.000000e+00	
## CSI045	0.000000e+00	0	0	0	0	0.000000e+00	
## CSI056	0.000000e+00	0	0	0	0	3.918572e-05	
## CSI066	0.000000e+00	0	0	0	0	0.000000e+00	
##	Otu10994	Otu10995	Otu10996	Otu10997	Otu10998	Otu10999	Otu11000
## CSI002	0	0	0	0	0	0	0.000000e+00
## CSI013	0	0	0	0	0	0	0.000000e+00
## CSI023	0	0	0	0	0	0	0.000000e+00
## CSI034	0	0	0	0	0	0	0.000000e+00
## CSI045	0	0	0	0	0	0	6.530186e-05
## CSI056	0	0	0	0	0	0	0.000000e+00
## CSI066	0	0	0	0	0	0	0.000000e+00
##	Otu11001	Otu11002	Otu11003	Otu11004	Otu11005	Otu11006	Otu11007
## CSI002	0	0	0	0.000000e+00	0	0	0
## CSI013	0	0	0	0.000000e+00	0	0	0
## CSI023	0	0	0	4.082049e-05	0	0	0
## CSI034	0	0	0	0.000000e+00	0	0	0
## CSI045	0	0	0	0.000000e+00	0	0	0
## CSI056	0	0	0	0.000000e+00	0	0	0
## CSI066	0	0	0	0.000000e+00	0	0	0
##	Otu11008	Otu11009	Otu11010	Otu11011	Otu11012	Otu11013	Otu11014
## CSI002	0	0	0	0	0	0	0
## CSI013	0	0	0	0	0	0	0
## CSI023	0	0	0	0	0	0	0
## CSI034	0	0	0	0	0	0	0
## CSI045	0	0	0	0	0	0	0
## CSI056	0	0	0	0	0	0	0
## CSI066	0	0	0	0	0	0	0
##	Otu11015	Otu11016	Otu11017	Otu11018	Otu11019	Otu11020	Otu11021
## CSI002	0	0	0.000000e+00	0	0	0	0
## CSI013	0	0	0.000000e+00	0	0	0	0
## CSI023	0	0	0.000000e+00	0	0	0	0
## CSI034	0	0	0.000000e+00	0	0	0	0
## CSI045	0	0	6.530186e-05	0	0	0	0
## CSI056	0	0	0.000000e+00	0	0	0	0
## CSI066	0	0	0.000000e+00	0	0	0	0
##	Otu11022	Otu11023	Otu11024	Otu11025	Otu11026	Otu11027	Otu11028
## CSI002	0	0	0	0	0	0	0
## CSI013	0	0	0	0	0	0	0
## CSI023	0	0	0	0	0	0	0
## CSI034	0	0	0	0	0	0	0
## CSI045	0	0	0	0	0	0	0
## CSI056	0	0	0	0	0	0	0
## CSI066	0	0	0	0	0	0	0
##	Otu11029	Otu11030	Otu11031	Otu11032	Otu11033	Otu11034	Otu11035
## CSI002	0	0	0	0	0	0	0
## CSI013	0	0	0	0	0	0	0
## CSI023	0	0	0	0	0	0	0
## CSI034	0	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11036	Otu11037	Otu11038	Otu11039	Otu11040	Otu11041	Otu11042	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11043	Otu11044	Otu11045	Otu11046	Otu11047	Otu11048	Otu11049	
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##	Otu11050	Otu11051	Otu11052	Otu11053	Otu11054	Otu11055	Otu11056	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11057	Otu11058	Otu11059	Otu11060	Otu11061	Otu11062		
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	3.789817e-05	0	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0	3.833694e-05	0	0	
##	Otu11063	Otu11064	Otu11065	Otu11066	Otu11067	Otu11068	Otu11069	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11070	Otu11071	Otu11072	Otu11073	Otu11074	Otu11075	Otu11076	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11077	Otu11078	Otu11079	Otu11080	Otu11081	Otu11082	Otu11083	
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0

##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	1.894908e-05	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##	Otu11084	Otu11085	Otu11086	Otu11087	Otu11088	Otu11089	Otu11090	
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##	Otu11091	Otu11092	Otu11093	Otu11094	Otu11095	Otu11096	Otu11097	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11098	Otu11099	Otu11100	Otu11101	Otu11102	Otu11103	Otu11104	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11105	Otu11106	Otu11107	Otu11108	Otu11109	Otu11110	Otu11111	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11112	Otu11113	Otu11114	Otu11115	Otu11116	Otu11117		
##	CSI002	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0	0	3.789817e-05	1.894908e-05	
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00	
##	Otu11118	Otu11119	Otu11120	Otu11121	Otu11122	Otu11123	Otu11124	
##	CSI002	0	0	0	0	0	0.000000e+00	
##	CSI013	0	0	0	0	0	0.000000e+00	
##	CSI023	0	0	0	0	0	0.000000e+00	
##	CSI034	0	0	0	0	0	0.000000e+00	
##	CSI045	0	0	0	0	0	0.000000e+00	
##	CSI056	0	0	0	0	0	0.000000e+00	
##	CSI066	0	0	0	0	0	0.000000e+00	
##	Otu11125	Otu11126	Otu11127	Otu11128	Otu11129	Otu11130	Otu11131	

##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11132	Otu11133	Otu11134	Otu11135	Otu11136	Otu11137	Otu11138
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11139	Otu11140	Otu11141	Otu11142	Otu11143	Otu11144	
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	0.000000e+00	0	3.918572e-05	0	
##	CSI066	0	0	3.833694e-05	0	0.000000e+00	0	
##		Otu11145	Otu11146	Otu11147	Otu11148	Otu11149	Otu11150	Otu11151
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu11152	Otu11153	Otu11154	Otu11155	Otu11156	Otu11157	Otu11158
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11159	Otu11160	Otu11161	Otu11162	Otu11163	Otu11164	Otu11165
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu11166	Otu11167	Otu11168	Otu11169	Otu11170	Otu11171	Otu11172
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	1.959286e-05	0	0	0	0	0	0

##	CSI066	1.916847e-05	0	0	0	0	0	0
##		Otu11173	Otu11174	Otu11175	Otu11176	Otu11177	Otu11178	Otu11179
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11180	Otu11181	Otu11182	Otu11183	Otu11184	Otu11185	Otu11186
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11187	Otu11188	Otu11189	Otu11190	Otu11191	Otu11192	Otu11193
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11194	Otu11195	Otu11196	Otu11197	Otu11198	Otu11199	Otu11200
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11201	Otu11202	Otu11203	Otu11204	Otu11205	Otu11206	Otu11207
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11208	Otu11209	Otu11210	Otu11211	Otu11212	Otu11213	Otu11214
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu11215	Otu11216	Otu11217	Otu11218	Otu11219	Otu11220	Otu11221
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11222	Otu11223	Otu11224	Otu11225	Otu11226	Otu11227	Otu11228
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	3.789817e-05	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu11229	Otu11230	Otu11231	Otu11232	Otu11233	Otu11234	
##	CSI002	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI023	4.082049e-05	0	0	0	0	0.000000e+00	
##	CSI034	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI045	0.000000e+00	0	0	0	0	6.530186e-05	
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00	
##		Otu11235	Otu11236	Otu11237	Otu11238	Otu11239	Otu11240	Otu11241
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	3.789817e-05	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu11242	Otu11243	Otu11244	Otu11245	Otu11246	Otu11247	Otu11248
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11249	Otu11250	Otu11251	Otu11252	Otu11253	Otu11254	Otu11255
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11256	Otu11257	Otu11258	Otu11259	Otu11260	Otu11261	
##	CSI002	0	0.000000e+00	0	1.362194e-05	0	0	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI034	0	1.894908e-05	0	0.000000e+00	0	0	
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0	
##		Otu11262	Otu11263	Otu11264	Otu11265	Otu11266	Otu11267	Otu11268
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0

##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu11269	0tu11270	0tu11271	0tu11272	0tu11273	0tu11274	0tu11275
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu11276	0tu11277	0tu11278	0tu11279	0tu11280	0tu11281	0tu11282
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	3.918572e-05	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		0tu11283	0tu11284	0tu11285	0tu11286	0tu11287	0tu11288	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI013	6.391614e-05	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0.000000e+00	
##	CSI066	0.000000e+00	1.916847e-05	0	0	0	0.000000e+00	
##		0tu11289	0tu11290	0tu11291	0tu11292	0tu11293	0tu11294	0tu11295
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu11296	0tu11297	0tu11298	0tu11299	0tu11300	0tu11301	0tu11302
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu11303	0tu11304	0tu11305	0tu11306	0tu11307	0tu11308	0tu11309
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu11310	0tu11311	0tu11312	0tu11313	0tu11314	0tu11315	0tu11316

##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11317	Otu11318	Otu11319	Otu11320	Otu11321	Otu11322	
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	1.959286e-05	0	0.000000e+00	0	
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0	
##		Otu11323	Otu11324	Otu11325	Otu11326	Otu11327	Otu11328	Otu11329
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	1.959286e-05	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu11330	Otu11331	Otu11332	Otu11333	Otu11334	Otu11335	Otu11336
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11337	Otu11338	Otu11339	Otu11340	Otu11341	Otu11342	Otu11343
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11344	Otu11345	Otu11346	Otu11347	Otu11348	Otu11349	Otu11350
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu11351	Otu11352	Otu11353	Otu11354	Otu11355	Otu11356	Otu11357
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0

##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu11358	Otu11359	Otu11360	Otu11361	Otu11362	Otu11363	Otu11364
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	1.959286e-05	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		Otu11365	Otu11366	Otu11367	Otu11368	Otu11369	Otu11370	Otu11371
##	CSI002	2.724387e-05	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu11372	Otu11373	Otu11374	Otu11375	Otu11376	Otu11377	Otu11378
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11379	Otu11380	Otu11381	Otu11382	Otu11383	Otu11384	Otu11385
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu11386	Otu11387	Otu11388	Otu11389	Otu11390	Otu11391	Otu11392
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11393	Otu11394	Otu11395	Otu11396	Otu11397	Otu11398	Otu11399
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu11400	Otu11401	Otu11402	Otu11403	Otu11404	Otu11405	
##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI034	0	0	3.789817e-05	0.000000e+00	0	0	

##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0	
##		Otu11406	Otu11407	Otu11408	Otu11409	Otu11410	Otu11411	Otu11412
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	1.894908e-05	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu11413	Otu11414	Otu11415	Otu11416	Otu11417	Otu11418	Otu11419
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu11420	Otu11421	Otu11422	Otu11423	Otu11424	Otu11425	Otu11426
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	6.391614e-05	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu11427	Otu11428	Otu11429	Otu11430	Otu11431	Otu11432	Otu11433
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11434	Otu11435	Otu11436	Otu11437	Otu11438	Otu11439	Otu11440
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		Otu11441	Otu11442	Otu11443	Otu11444	Otu11445	Otu11446	Otu11447
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	1.894908e-05	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu11448	Otu11449	Otu11450	Otu11451	Otu11452	Otu11453	Otu11454
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0

##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		Otu11455	Otu11456	Otu11457	Otu11458	Otu11459	Otu11460	Otu11461
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu11462	Otu11463	Otu11464	Otu11465	Otu11466	Otu11467	
##	CSI002	0	0	0	0.000000e+00	0	0	
##	CSI013	0	0	0	0.000000e+00	0	0	
##	CSI023	0	0	0	0.000000e+00	0	0	
##	CSI034	0	0	0	0.000000e+00	0	0	
##	CSI045	0	0	0	0.000000e+00	0	0	
##	CSI056	0	0	0	0.000000e+00	0	0	
##	CSI066	0	0	0	0.000000e+00	0	0	
##		Otu11468	Otu11469	Otu11470	Otu11471	Otu11472		
##	CSI002	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0	
##	CSI013	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0	
##	CSI023	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0	
##	CSI034	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0	
##	CSI045	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0	
##	CSI056	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00		0	
##	CSI066	0.000000e+00	1.916847e-05	0.000000e+00	0.000000e+00		0	
##		Otu11473	Otu11474	Otu11475	Otu11476	Otu11477	Otu11478	Otu11479
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		Otu11480	Otu11481	Otu11482	Otu11483	Otu11484	Otu11485	Otu11486
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu11487	Otu11488	Otu11489	Otu11490	Otu11491	Otu11492	Otu11493
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11494	Otu11495	Otu11496	Otu11497	Otu11498	Otu11499	Otu11500

##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	3.195807e-05	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		Otu11501	Otu11502	Otu11503	Otu11504	Otu11505	Otu11506	Otu11507
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	1.894908e-05	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu11508	Otu11509	Otu11510	Otu11511	Otu11512	Otu11513	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	3.789817e-05	0	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0	
##		Otu11514	Otu11515	Otu11516	Otu11517	Otu11518	Otu11519	
##	CSI002	1.362194e-05	0	0	0	0	1.362194e-05	
##	CSI013	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI023	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI034	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI045	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI056	0.000000e+00	0	0	0	0	0.000000e+00	
##	CSI066	0.000000e+00	0	0	0	0	0.000000e+00	
##		Otu11520	Otu11521	Otu11522	Otu11523	Otu11524	Otu11525	
##	CSI002	0	0	0.000000e+00	0	2.724387e-05	0	
##	CSI013	0	0	3.195807e-05	0	0.000000e+00	0	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0	
##		Otu11526	Otu11527	Otu11528	Otu11529	Otu11530	Otu11531	Otu11532
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu11533	Otu11534	Otu11535	Otu11536	Otu11537	Otu11538	Otu11539
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0

##	CSI066	0	0	0	0	0	0	0
##		Otu11540	Otu11541	Otu11542	Otu11543	Otu11544	Otu11545	Otu11546
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu11547	Otu11548	Otu11549	Otu11550	Otu11551	Otu11552	Otu11553
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11554	Otu11555	Otu11556	Otu11557	Otu11558	Otu11559	Otu11560
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11561	Otu11562	Otu11563	Otu11564	Otu11565	Otu11566	Otu11567
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11568	Otu11569	Otu11570	Otu11571	Otu11572	Otu11573	Otu11574
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	1.959286e-05	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu11575	Otu11576	Otu11577	Otu11578	Otu11579	Otu11580	Otu11581
##	CSI002	0	2.724387e-05	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		Otu11582	Otu11583	Otu11584	Otu11585	Otu11586	Otu11587	Otu11588
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11589	Otu11590	Otu11591	Otu11592	Otu11593	Otu11594	Otu11595
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11596	Otu11597	Otu11598	Otu11599	Otu11600	Otu11601	
##	CSI002	0	0	0	1.362194e-05	0	0.000000e+00	
##	CSI013	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0	0	2.041025e-05	0	0.000000e+00	
##	CSI034	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0	0	0	0.000000e+00	0	0.000000e+00	
##		Otu11602	Otu11603	Otu11604	Otu11605	Otu11606	Otu11607	
##	CSI002	0	0	0	0	0.000000e+00	0	
##	CSI013	0	0	0	0	0.000000e+00	0	
##	CSI023	0	0	0	0	0.000000e+00	0	
##	CSI034	0	0	0	0	0.000000e+00	0	
##	CSI045	0	0	0	0	6.530186e-05	0	
##	CSI056	0	0	0	0	0.000000e+00	0	
##	CSI066	0	0	0	0	0.000000e+00	0	
##		Otu11608	Otu11609	Otu11610	Otu11611	Otu11612	Otu11613	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI066	3.833694e-05	0	0	0	0.000000e+00	0	
##		Otu11614	Otu11615	Otu11616	Otu11617	Otu11618	Otu11619	Otu11620
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	1.916847e-05
##		Otu11621	Otu11622	Otu11623	Otu11624	Otu11625	Otu11626	Otu11627
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu11628	Otu11629	Otu11630	Otu11631	Otu11632	Otu11633	Otu11634
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0

##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu11635	Otu11636	Otu11637	Otu11638	Otu11639	Otu11640	Otu11641
##	CSI002	2.724387e-05	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu11642	Otu11643	Otu11644	Otu11645	Otu11646	Otu11647	Otu11648
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu11649	Otu11650	Otu11651	Otu11652	Otu11653	Otu11654	Otu11655
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11656	Otu11657	Otu11658	Otu11659	Otu11660	Otu11661	Otu11662
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11663	Otu11664	Otu11665	Otu11666	Otu11667	Otu11668	Otu11669
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu11670	Otu11671	Otu11672	Otu11673	Otu11674	Otu11675	Otu11676
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11677	Otu11678	Otu11679	Otu11680	Otu11681	Otu11682	Otu11683

##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu11684	Otu11685	Otu11686	Otu11687	Otu11688	Otu11689	Otu11690
##	CSI002	0	0	0	0	2.724387e-05	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu11691	Otu11692	Otu11693	Otu11694	Otu11695	Otu11696	
##	CSI002	0	0	0	0	0.000000e+00	0	
##	CSI013	0	0	0	0	0.000000e+00	0	
##	CSI023	0	0	0	0	0.000000e+00	0	
##	CSI034	0	0	0	0	0.000000e+00	0	
##	CSI045	0	0	0	0	0.000000e+00	0	
##	CSI056	0	0	0	0	0.000000e+00	0	
##	CSI066	0	0	0	0	0.000000e+00	0	
##		Otu11697	Otu11698	Otu11699	Otu11700	Otu11701	Otu11702	Otu11703
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu11704	Otu11705	Otu11706	Otu11707	Otu11708	Otu11709	Otu11710
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11711	Otu11712	Otu11713	Otu11714	Otu11715	Otu11716	Otu11717
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11718	Otu11719	Otu11720	Otu11721	Otu11722	Otu11723	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	

##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0
##		Otu11724	Otu11725	Otu11726	Otu11727	Otu11728	Otu11729
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		Otu11730	Otu11731	Otu11732	Otu11733	Otu11734	Otu11735
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI045	3.265093e-05	0	0	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI066	1.916847e-05	0	0	0	0.000000e+00	0
##		Otu11736	Otu11737	Otu11738	Otu11739	Otu11740	Otu11741
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	3.195807e-05	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		Otu11742	Otu11743	Otu11744	Otu11745	Otu11746	Otu11747
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		Otu11749	Otu11750	Otu11751	Otu11752	Otu11753	Otu11754
##	CSI002	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI034	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00
##	CSI066	0	3.833694e-05	0	0	0	3.833694e-05
##		Otu11755	Otu11756	Otu11757	Otu11758	Otu11759	Otu11760
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		Otu11761	Otu11762	Otu11763	Otu11764	Otu11765	Otu11766
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	3.789817e-05	0	0	0	0	0

##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu11768	Otu11769	Otu11770	Otu11771	Otu11772	Otu11773	Otu11774
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11775	Otu11776	Otu11777	Otu11778	Otu11779	Otu11780	Otu11781
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11782	Otu11783	Otu11784	Otu11785	Otu11786	Otu11787	Otu11788
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11789	Otu11790	Otu11791	Otu11792	Otu11793	Otu11794	Otu11795
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11796	Otu11797	Otu11798	Otu11799	Otu11800	Otu11801	Otu11802
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	3.789817e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu11803	Otu11804	Otu11805	Otu11806	Otu11807	Otu11808	Otu11809
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu11810	Otu11811	Otu11812	Otu11813	Otu11814	Otu11815	Otu11816
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0

##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	1.894908e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu11817	Otu11818	Otu11819	Otu11820	Otu11821	Otu11822	Otu11823
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11824	Otu11825	Otu11826	Otu11827	Otu11828	Otu11829	Otu11830
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11831	Otu11832	Otu11833	Otu11834	Otu11835	Otu11836	Otu11837
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	1.894908e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu11838	Otu11839	Otu11840	Otu11841	Otu11842	Otu11843	Otu11844
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu11845	Otu11846	Otu11847	Otu11848	Otu11849	Otu11850	Otu11851
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	3.789817e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu11852	Otu11853	Otu11854	Otu11855	Otu11856	Otu11857	Otu11858
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	3.789817e-05	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		Otu11859	Otu11860	Otu11861	Otu11862	Otu11863	Otu11864	

##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	0.000000e+00	1.894908e-05	0	0
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0
##		Otu11865	Otu11866	Otu11867	Otu11868	Otu11869	Otu11870
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0
##	CSI056	3.918572e-05	0	0	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0
##		Otu11871	Otu11872	Otu11873	Otu11874	Otu11875	Otu11876
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu11878	Otu11879	Otu11880	Otu11881	Otu11882	Otu11883
##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI023	0	0.000000e+00	0	2.041025e-05	0	0
##	CSI034	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0
##		Otu11884	Otu11885	Otu11886	Otu11887	Otu11888	Otu11889
##	CSI002	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0.000000e+00	0
##		Otu11891	Otu11892	Otu11893	Otu11894	Otu11895	Otu11896
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu11898	Otu11899	Otu11900	Otu11901	Otu11902	Otu11903
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0

##	CSI066	0	0	0	0	0	0	0
##		Otu11905	Otu11906	Otu11907	Otu11908	Otu11909	Otu11910	
##	CSI002	0	0.000000e+00	0	0	0	2.724387e-05	
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0	3.789817e-05	0	0	0	0.000000e+00	
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00	
##		Otu11911	Otu11912	Otu11913	Otu11914	Otu11915	Otu11916	Otu11917
##	CSI002	0	0	0	0	1.362194e-05	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu11918	Otu11919	Otu11920	Otu11921	Otu11922	Otu11923	Otu11924
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	3.789817e-05	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		Otu11925	Otu11926	Otu11927	Otu11928	Otu11929	Otu11930	Otu11931
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	3.789817e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu11932	Otu11933	Otu11934	Otu11935	Otu11936	Otu11937	
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	1.894908e-05	0	0	1.894908e-05	0	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0	0.000000e+00	0	0	
##		Otu11938	Otu11939	Otu11940	Otu11941	Otu11942	Otu11943	Otu11944
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		Otu11945	Otu11946	Otu11947	Otu11948	Otu11949	Otu11950	Otu11951
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0

##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11952	Otu11953	Otu11954	Otu11955	Otu11956	Otu11957		
##	CSI002	0	0.000000e+00	0	0	1.362194e-05	0	
##	CSI013	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI034	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI045	0	0.000000e+00	0	0	0.000000e+00	0	
##	CSI056	0	3.918572e-05	0	0	0.000000e+00	0	
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	0	
##	Otu11958	Otu11959	Otu11960	Otu11961	Otu11962	Otu11963		
##	CSI002	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI034	3.789817e-05	0	0.000000e+00	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0.000000e+00	0	0	
##	Otu11964	Otu11965	Otu11966	Otu11967	Otu11968	Otu11969	Otu11970	
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##	Otu11971	Otu11972	Otu11973	Otu11974	Otu11975	Otu11976	Otu11977	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11978	Otu11979	Otu11980	Otu11981	Otu11982	Otu11983	Otu11984	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11985	Otu11986	Otu11987	Otu11988	Otu11989	Otu11990	Otu11991	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11992	Otu11993	Otu11994	Otu11995	Otu11996	Otu11997	Otu11998	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0

##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu11999	Otu12000	Otu12001	Otu12002	Otu12003	Otu12004	Otu12005	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu12006	Otu12007	Otu12008	Otu12009	Otu12010	Otu12011	Otu12012	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu12013	Otu12014	Otu12015	Otu12016	Otu12017	Otu12018	Otu12019	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu12020	Otu12021	Otu12022	Otu12023	Otu12024	Otu12025	Otu12026	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu12027	Otu12028	Otu12029	Otu12030	Otu12031	Otu12032	Otu12033	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu12034	Otu12035	Otu12036	Otu12037	Otu12038	Otu12039		
##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI034	0	0	0.000000e+00	1.894908e-05	0	0	
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0	
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0	
##	Otu12040	Otu12041	Otu12042	Otu12043	Otu12044	Otu12045		

##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI034	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0	1.916847e-05	0	0.000000e+00	0	0
##		Otu12046	Otu12047	Otu12048	Otu12049	Otu12050	Otu12051
##	CSI002	0	0	0	0	0	0 0.000000e+00
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 0.000000e+00
##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		Otu12053	Otu12054	Otu12055	Otu12056	Otu12057	Otu12058
##	CSI002	0	0	0	0	0	0 0.000000e+00
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 0.000000e+00
##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		Otu12060	Otu12061	Otu12062	Otu12063	Otu12064	Otu12065
##	CSI002	0	0.000000e+00	0	0	0	0 0
##	CSI013	0	0.000000e+00	0	0	0	0 0
##	CSI023	0	0.000000e+00	0	0	0	0 0
##	CSI034	0	0.000000e+00	0	0	0	0 0
##	CSI045	0	0.000000e+00	0	0	0	0 0
##	CSI056	0	0.000000e+00	0	0	0	0 0
##	CSI066	0	0.000000e+00	0	0	0	0 0
##		Otu12067	Otu12068	Otu12069	Otu12070	Otu12071	Otu12072
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu12074	Otu12075	Otu12076	Otu12077	Otu12078	Otu12079
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu12081	Otu12082	Otu12083	Otu12084	Otu12085	Otu12086
##	CSI002	0	0	0	0	0	0 0.000000e+00
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 0.000000e+00
##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00

##	CSI066	0	0	0	0	0	0	3.833694e-05
##		Otu12088	Otu12089	Otu12090	Otu12091	Otu12092	Otu12093	Otu12094
##	CSI002	1.362194e-05	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu12095	Otu12096	Otu12097	Otu12098	Otu12099	Otu12100	
##	CSI002	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI013	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI034	0	0	1.894908e-05	0	0	3.789817e-05	
##	CSI045	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI056	0	0	0.000000e+00	0	0	0.000000e+00	
##	CSI066	0	0	0.000000e+00	0	0	0.000000e+00	
##		Otu12101	Otu12102	Otu12103	Otu12104	Otu12105	Otu12106	
##	CSI002	0.000000e+00	0	2.724387e-05	0	0	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI034	1.894908e-05	0	0.000000e+00	0	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0	
##		Otu12107	Otu12108	Otu12109	Otu12110	Otu12111	Otu12112	Otu12113
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	6.391614e-05	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		Otu12114	Otu12115	Otu12116	Otu12117	Otu12118	Otu12119	
##	CSI002	0	0	0	0	1.362194e-05	0	
##	CSI013	0	0	0	0	3.195807e-05	0	
##	CSI023	0	0	0	0	0.000000e+00	0	
##	CSI034	0	0	0	0	0.000000e+00	0	
##	CSI045	0	0	0	0	0.000000e+00	0	
##	CSI056	0	0	0	0	0.000000e+00	0	
##	CSI066	0	0	0	0	0.000000e+00	0	
##		Otu12120	Otu12121	Otu12122	Otu12123	Otu12124	Otu12125	
##	CSI002	0.000000e+00	0	0	0	0	0	
##	CSI013	3.195807e-05	0	0	0	0	0	
##	CSI023	0.000000e+00	0	0	0	0	0	
##	CSI034	0.000000e+00	0	0	0	0	0	
##	CSI045	0.000000e+00	0	0	0	0	0	
##	CSI056	0.000000e+00	0	0	0	0	0	
##	CSI066	0.000000e+00	0	0	0	0	0	
##		Otu12126	Otu12127	Otu12128	Otu12129	Otu12130	Otu12131	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI013	3.195807e-05	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0	

##	CSI045	0.000000e+00	0	0	0	6.530186e-05	0	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	
##		Otu12132	Otu12133	Otu12134	Otu12135	Otu12136	Otu12137	
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI013	0.000000e+00	0	3.195807e-05	0	0	0	
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI034	1.894908e-05	0	0.000000e+00	0	0	0	
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0	
##	CSI066	0.000000e+00	0	1.916847e-05	0	0	0	
##		Otu12138	Otu12139	Otu12140	Otu12141	Otu12142	Otu12143	Otu12144
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12145	Otu12146	Otu12147	Otu12148	Otu12149	Otu12150	
##	CSI002	0	0	0.000000e+00	0	0	0	
##	CSI013	0	0	0.000000e+00	0	0	0	
##	CSI023	0	0	0.000000e+00	0	0	0	
##	CSI034	0	0	3.789817e-05	0	0	0	
##	CSI045	0	0	0.000000e+00	0	0	0	
##	CSI056	0	0	0.000000e+00	0	0	0	
##	CSI066	0	0	0.000000e+00	0	0	0	
##		Otu12151	Otu12152	Otu12153	Otu12154	Otu12155	Otu12156	Otu12157
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu12158	Otu12159	Otu12160	Otu12161	Otu12162	Otu12163	Otu12164
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12165	Otu12166	Otu12167	Otu12168	Otu12169	Otu12170	Otu12171
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12172	Otu12173	Otu12174	Otu12175	Otu12176	Otu12177	Otu12178
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0

##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu12179	Otu12180	Otu12181	Otu12182	Otu12183	Otu12184		
##	CSI002	0	0.000000e+00	0	0	0	1.362194e-05	
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0	1.894908e-05	0	0	0	0.000000e+00	
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00	
##	Otu12185	Otu12186	Otu12187	Otu12188	Otu12189	Otu12190	Otu12191	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu12192	Otu12193	Otu12194	Otu12195	Otu12196	Otu12197		
##	CSI002	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI013	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI023	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI034	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI045	0.000000e+00	0	0	0.000000e+00	0	0	
##	CSI056	0.000000e+00	0	0	1.959286e-05	0	0	
##	CSI066	1.916847e-05	0	0	0.000000e+00	0	0	
##	Otu12198	Otu12199	Otu12200	Otu12201	Otu12202	Otu12203	Otu12204	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu12205	Otu12206	Otu12207	Otu12208	Otu12209	Otu12210	Otu12211	
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##	Otu12212	Otu12213	Otu12214	Otu12215	Otu12216	Otu12217	Otu12218	
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##	Otu12219	Otu12220	Otu12221	Otu12222	Otu12223	Otu12224		

##	CSI002	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI013	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI034	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00
##	CSI056	0	0	0	0	0.000000e+00	1.959286e-05
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00
##		Otu12225	Otu12226	Otu12227	Otu12228	Otu12229	Otu12230
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI013	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI034	0	0	3.789817e-05	0	1.894908e-05	0.000000e+00
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	1.959286e-05
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00
##		Otu12231	Otu12232	Otu12233	Otu12234	Otu12235	Otu12236
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		Otu12238	Otu12239	Otu12240	Otu12241	Otu12242	Otu12243
##	CSI002	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##		Otu12245	Otu12246	Otu12247	Otu12248	Otu12249	Otu12250
##	CSI002	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI013	0	0.000000e+00	0	0	3.195807e-05	0
##	CSI023	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI034	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI045	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI056	0	0.000000e+00	0	0	0.000000e+00	0
##	CSI066	0	0.000000e+00	0	0	0.000000e+00	0
##		Otu12251	Otu12252	Otu12253	Otu12254	Otu12255	Otu12256
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		Otu12258	Otu12259	Otu12260	Otu12261	Otu12262	Otu12263
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0

##	CSI066	0	0	0	0	0	0	0
##		0tu12265	0tu12266	0tu12267	0tu12268	0tu12269	0tu12270	
##	CSI002	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI013	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI045	0	0	0	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0	0	1.959286e-05	0.000000e+00	
##	CSI066	0	0	0	0	0.000000e+00	0.000000e+00	
##		0tu12271	0tu12272	0tu12273	0tu12274	0tu12275	0tu12276	0tu12277
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu12278	0tu12279	0tu12280	0tu12281	0tu12282	0tu12283	0tu12284
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu12285	0tu12286	0tu12287	0tu12288	0tu12289	0tu12290	
##	CSI002	0	0	0.000000e+00	0	0	0	
##	CSI013	0	0	0.000000e+00	0	0	0	
##	CSI023	0	0	0.000000e+00	0	0	0	
##	CSI034	0	0	3.789817e-05	0	0	0	
##	CSI045	0	0	0.000000e+00	0	0	0	
##	CSI056	0	0	0.000000e+00	0	0	0	
##	CSI066	0	0	0.000000e+00	0	0	0	
##		0tu12291	0tu12292	0tu12293	0tu12294	0tu12295	0tu12296	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0	6.391614e-05	0	
##	CSI023	4.082049e-05	0	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	
##		0tu12297	0tu12298	0tu12299	0tu12300	0tu12301	0tu12302	0tu12303
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	1.894908e-05	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu12304	0tu12305	0tu12306	0tu12307	0tu12308	0tu12309	
##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI034	0	0.000000e+00	0	0.000000e+00	0	0	

##	CSI045	0	3.265093e-05	0	6.530186e-05	0	0
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0
##		Otu12310	Otu12311	Otu12312	Otu12313	Otu12314	Otu12315
##	CSI002	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI013	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI023	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI034	0	0	0.000000e+00	1.894908e-05	0	0
##	CSI045	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI056	0	0	0.000000e+00	0.000000e+00	0	0
##	CSI066	0	0	0.000000e+00	0.000000e+00	0	0
##		Otu12316	Otu12317	Otu12318	Otu12319	Otu12320	Otu12321
##	CSI002	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0.000000e+00	0	0
##		Otu12323	Otu12324	Otu12325	Otu12326	Otu12327	Otu12328
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu12330	Otu12331	Otu12332	Otu12333	Otu12334	Otu12335
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI023	2.041025e-05	0	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0	1.894908e-05	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		Otu12336	Otu12337	Otu12338	Otu12339	Otu12340	Otu12341
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu12343	Otu12344	Otu12345	Otu12346	Otu12347	Otu12348
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu12350	Otu12351	Otu12352	Otu12353	Otu12354	Otu12355
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0

##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu12357	Otu12358	Otu12359	Otu12360	Otu12361	Otu12362
##	CSI002	0	0	0	0	0	1.362194e-05
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		Otu12364	Otu12365	Otu12366	Otu12367	Otu12368	Otu12369
##	CSI002	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI013	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI023	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI045	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0	0
##		Otu12370	Otu12371	Otu12372	Otu12373	Otu12374	Otu12375
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu12377	Otu12378	Otu12379	Otu12380	Otu12381	Otu12382
##	CSI002	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	1.894908e-05	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0
##		Otu12384	Otu12385	Otu12386	Otu12387	Otu12388	Otu12389
##	CSI002	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI034	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0
##		Otu12390	Otu12391	Otu12392	Otu12393	Otu12394	Otu12395
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu12397	Otu12398	Otu12399	Otu12400	Otu12401	Otu12402
##		Otu12403					

##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12404	Otu12405	Otu12406	Otu12407	Otu12408	Otu12409	
##	CSI002	0	0	0	0.000000e+00	0	0	
##	CSI013	0	0	0	0.000000e+00	0	0	
##	CSI023	0	0	0	0.000000e+00	0	0	
##	CSI034	0	0	0	1.894908e-05	0	0	
##	CSI045	0	0	0	0.000000e+00	0	0	
##	CSI056	0	0	0	0.000000e+00	0	0	
##	CSI066	0	0	0	0.000000e+00	0	0	
##		Otu12410	Otu12411	Otu12412	Otu12413	Otu12414	Otu12415	Otu12416
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu12417	Otu12418	Otu12419	Otu12420	Otu12421	Otu12422	Otu12423
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12424	Otu12425	Otu12426	Otu12427	Otu12428	Otu12429	Otu12430
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12431	Otu12432	Otu12433	Otu12434	Otu12435	Otu12436	Otu12437
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	1.894908e-05	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		Otu12438	Otu12439	Otu12440	Otu12441	Otu12442	Otu12443	Otu12444
##	CSI002	0	0	0	2.724387e-05	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0

##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu12445	0tu12446	0tu12447	0tu12448	0tu12449	0tu12450	0tu12451
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu12452	0tu12453	0tu12454	0tu12455	0tu12456	0tu12457	
##	CSI002	0	0	0.000000e+00	0	2.724387e-05	0.000000e+00	
##	CSI013	0	0	3.195807e-05	0	0.000000e+00	0.000000e+00	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	3.789817e-05	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0.000000e+00	
##		0tu12458	0tu12459	0tu12460	0tu12461	0tu12462	0tu12463	0tu12464
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	1.894908e-05	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu12465	0tu12466	0tu12467	0tu12468	0tu12469	0tu12470	0tu12471
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu12472	0tu12473	0tu12474	0tu12475	0tu12476	0tu12477	0tu12478
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu12479	0tu12480	0tu12481	0tu12482	0tu12483	0tu12484	0tu12485
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu12486	0tu12487	0tu12488	0tu12489	0tu12490	0tu12491	0tu12492
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	1.894908e-05

##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		0tu12493	0tu12494	0tu12495	0tu12496	0tu12497	0tu12498	0tu12499
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu12500	0tu12501	0tu12502	0tu12503	0tu12504	0tu12505	
##	CSI002	0	0	0	0	0.000000e+00	0	
##	CSI013	0	0	0	0	3.195807e-05	0	
##	CSI023	0	0	0	0	0.000000e+00	0	
##	CSI034	0	0	0	0	0.000000e+00	0	
##	CSI045	0	0	0	0	0.000000e+00	0	
##	CSI056	0	0	0	0	0.000000e+00	0	
##	CSI066	0	0	0	0	0.000000e+00	0	
##		0tu12506	0tu12507	0tu12508	0tu12509	0tu12510	0tu12511	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0	6.391614e-05	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	1.894908e-05	0	0	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	
##		0tu12512	0tu12513	0tu12514	0tu12515	0tu12516	0tu12517	0tu12518
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu12519	0tu12520	0tu12521	0tu12522	0tu12523	0tu12524	0tu12525
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	3.789817e-05	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu12526	0tu12527	0tu12528	0tu12529	0tu12530	0tu12531	0tu12532
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		0tu12533	0tu12534	0tu12535	0tu12536	0tu12537	0tu12538	
##	CSI002	0.000000e+00	0	1.362194e-05	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0	

##	CSI023	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI034	0.000000e+00	0	0.000000e+00	0	3.789817e-05	0
##	CSI045	6.530186e-05	0	0.000000e+00	0	0.000000e+00	0
##	CSI056	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##	CSI066	0.000000e+00	0	0.000000e+00	0	0.000000e+00	0
##		Otu12539	Otu12540	Otu12541	Otu12542	Otu12543	Otu12544 Otu12545
##	CSI002	0	0	0	0	0	1.362194e-05 0
##	CSI013	0	0	0	0	0	0.000000e+00 0
##	CSI023	0	0	0	0	0	0.000000e+00 0
##	CSI034	0	0	0	0	0	0.000000e+00 0
##	CSI045	0	0	0	0	0	0.000000e+00 0
##	CSI056	0	0	0	0	0	0.000000e+00 0
##	CSI066	0	0	0	0	0	0.000000e+00 0
##		Otu12546	Otu12547	Otu12548	Otu12549	Otu12550	Otu12551 Otu12552
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu12553	Otu12554	Otu12555	Otu12556	Otu12557	Otu12558 Otu12559
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu12560	Otu12561	Otu12562	Otu12563	Otu12564	Otu12565 Otu12566
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu12567	Otu12568	Otu12569	Otu12570	Otu12571	Otu12572 Otu12573
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu12574	Otu12575	Otu12576	Otu12577	Otu12578	Otu12579 Otu12580
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu12581	Otu12582	Otu12583	Otu12584	Otu12585	Otu12586 Otu12587

##	CSI002	0	0	0	0	0	0 0.000000e+00
##	CSI013	0	0	0	0	0	0 0.000000e+00
##	CSI023	0	0	0	0	0	0 0.000000e+00
##	CSI034	0	0	0	0	0	0 0.000000e+00
##	CSI045	0	0	0	0	0	0 0.000000e+00
##	CSI056	0	0	0	0	0	0 0.000000e+00
##	CSI066	0	0	0	0	0	0 0.000000e+00
##		0tu12588	0tu12589	0tu12590	0tu12591	0tu12592	0tu12593 0tu12594
##	CSI002	0	0	0	0 2.724387e-05	0	0
##	CSI013	0	0	0	0 0.000000e+00	0	0
##	CSI023	0	0	0	0 0.000000e+00	0	0
##	CSI034	0	0	0	0 0.000000e+00	0	0
##	CSI045	0	0	0	0 0.000000e+00	0	0
##	CSI056	0	0	0	0 0.000000e+00	0	0
##	CSI066	0	0	0	0 0.000000e+00	0	0
##		0tu12595	0tu12596	0tu12597	0tu12598	0tu12599	0tu12600 0tu12601
##	CSI002	0 0.000000e+00	0	0	0	0	0
##	CSI013	0 0.000000e+00	0	0	0	0	0
##	CSI023	0 0.000000e+00	0	0	0	0	0
##	CSI034	0 0.000000e+00	0	0	0	0	0
##	CSI045	0 0.000000e+00	0	0	0	0	0
##	CSI056	0 0.000000e+00	0	0	0	0	0
##	CSI066	0 3.833694e-05	0	0	0	0	0
##		0tu12602	0tu12603	0tu12604	0tu12605	0tu12606	0tu12607 0tu12608
##	CSI002	0	0	0	0	0 0.000000e+00	0
##	CSI013	0	0	0	0	0 0.000000e+00	0
##	CSI023	0	0	0	0	0 0.000000e+00	0
##	CSI034	0	0	0	0	0 1.894908e-05	0
##	CSI045	0	0	0	0	0 0.000000e+00	0
##	CSI056	0	0	0	0	0 0.000000e+00	0
##	CSI066	0	0	0	0	0 0.000000e+00	0
##		0tu12609	0tu12610	0tu12611	0tu12612	0tu12613	0tu12614
##	CSI002	0	0 0.000000e+00	0	0	0	0
##	CSI013	0	0 0.000000e+00	0	0	0	0
##	CSI023	0	0 0.000000e+00	0	0	0	0
##	CSI034	0	0 0.000000e+00	0	0	0	0
##	CSI045	0	0 0.000000e+00	0	0	0	0
##	CSI056	0	0 0.000000e+00	0	0	0	0
##	CSI066	0	0 0.000000e+00	0	0	0	0
##		0tu12615	0tu12616	0tu12617	0tu12618	0tu12619	0tu12620 0tu12621
##	CSI002	0.000000e+00	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0
##		0tu12622	0tu12623	0tu12624	0tu12625	0tu12626	0tu12627 0tu12628
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0

##	CSI066	0	0	0	0	0	0	0
##		Otu12629	Otu12630	Otu12631	Otu12632	Otu12633	Otu12634	Otu12635
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		Otu12636	Otu12637	Otu12638	Otu12639	Otu12640	Otu12641	Otu12642
##	CSI002	0	0	0	0	1.362194e-05	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	1.894908e-05	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu12643	Otu12644	Otu12645	Otu12646	Otu12647	Otu12648	Otu12649
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12650	Otu12651	Otu12652	Otu12653	Otu12654	Otu12655	Otu12656
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12657	Otu12658	Otu12659	Otu12660	Otu12661	Otu12662	Otu12663
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12664	Otu12665	Otu12666	Otu12667	Otu12668	Otu12669	Otu12670
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12671	Otu12672	Otu12673	Otu12674	Otu12675	Otu12676	
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI034	0	0.000000e+00	1.894908e-05	0	0	0	

##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0
##	CSI066	0	3.833694e-05	0.000000e+00	0	0	0
##		Otu12677	Otu12678	Otu12679	Otu12680	Otu12681	Otu12682
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		Otu12684	Otu12685	Otu12686	Otu12687	Otu12688	Otu12689
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu12691	Otu12692	Otu12693	Otu12694	Otu12695	Otu12696
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	3.265093e-05
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		Otu12698	Otu12699	Otu12700	Otu12701	Otu12702	Otu12703
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu12705	Otu12706	Otu12707	Otu12708	Otu12709	Otu12710
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu12712	Otu12713	Otu12714	Otu12715	Otu12716	Otu12717
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0
##		Otu12719	Otu12720	Otu12721	Otu12722	Otu12723	Otu12724
##	CSI002	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0

##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu12726	Otu12727	Otu12728	Otu12729	Otu12730	Otu12731		
##	CSI002	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI013	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI023	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI034	0	1.894908e-05	0	0.000000e+00	0	0	
##	CSI045	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI056	0	0.000000e+00	0	0.000000e+00	0	0	
##	CSI066	0	0.000000e+00	0	0.000000e+00	0	0	
##	Otu12732	Otu12733	Otu12734	Otu12735	Otu12736	Otu12737	Otu12738	
##	CSI002	0	0	0	0	0	0	
##	CSI013	0	0	0	0	0	0	
##	CSI023	0	0	0	0	0	0	
##	CSI034	0	0	0	0	0	0	
##	CSI045	0	0	0	0	0	0	
##	CSI056	0	0	0	0	0	0	
##	CSI066	0	0	0	0	0	0	
##	Otu12739	Otu12740	Otu12741	Otu12742	Otu12743	Otu12744	Otu12745	
##	CSI002	0	0	0	0	0	0	
##	CSI013	0	0	0	0	0	0	
##	CSI023	0	0	0	0	0	0	
##	CSI034	0	0	0	0	0	0	
##	CSI045	0	0	0	0	0	0	
##	CSI056	0	0	0	0	0	0	
##	CSI066	0	0	0	0	0	0	
##	Otu12746	Otu12747	Otu12748	Otu12749	Otu12750	Otu12751	Otu12752	
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	1.916847e-05	0	0	0	0
##	Otu12753	Otu12754	Otu12755	Otu12756	Otu12757	Otu12758		
##	CSI002	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI034	0	1.894908e-05	0.000000e+00	0	0	0	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0	
##	Otu12759	Otu12760	Otu12761	Otu12762	Otu12763	Otu12764		
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0	3.195807e-05	0	0.000000e+00	0	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0	
##	Otu12765	Otu12766	Otu12767	Otu12768	Otu12769	Otu12770	Otu12771	

##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12772	Otu12773	Otu12774	Otu12775	Otu12776	Otu12777	Otu12778
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	1.959286e-05	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu12779	Otu12780	Otu12781	Otu12782	Otu12783	Otu12784	Otu12785
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12786	Otu12787	Otu12788	Otu12789	Otu12790	Otu12791	Otu12792
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12793	Otu12794	Otu12795	Otu12796	Otu12797	Otu12798	Otu12799
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12800	Otu12801	Otu12802	Otu12803	Otu12804	Otu12805	Otu12806
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	6.530186e-05	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu12807	Otu12808	Otu12809	Otu12810	Otu12811	Otu12812	Otu12813
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0

##	CSI066	0	0	0	0	0	0	0
##		0tu12814	0tu12815	0tu12816	0tu12817	0tu12818	0tu12819	0tu12820
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##		0tu12821	0tu12822	0tu12823	0tu12824	0tu12825	0tu12826	0tu12827
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu12828	0tu12829	0tu12830	0tu12831	0tu12832	0tu12833	
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0	3.195807e-05	0	0.000000e+00	0	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0	0.000000e+00	0	3.789817e-05	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI066	0	0	0.000000e+00	0	0.000000e+00	0	
##		0tu12834	0tu12835	0tu12836	0tu12837	0tu12838	0tu12839	0tu12840
##	CSI002	0	0.000000e+00	0	0	0	0	0
##	CSI013	0	0.000000e+00	0	0	0	0	0
##	CSI023	0	0.000000e+00	0	0	0	0	0
##	CSI034	0	0.000000e+00	0	0	0	0	0
##	CSI045	0	0.000000e+00	0	0	0	0	0
##	CSI056	0	0.000000e+00	0	0	0	0	0
##	CSI066	0	0.000000e+00	0	0	0	0	0
##		0tu12841	0tu12842	0tu12843	0tu12844	0tu12845	0tu12846	0tu12847
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu12848	0tu12849	0tu12850	0tu12851	0tu12852	0tu12853	0tu12854
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		0tu12855	0tu12856	0tu12857	0tu12858	0tu12859	0tu12860	
##	CSI002	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI013	6.391614e-05	0.000000e+00	0	0	0	0	
##	CSI023	0.000000e+00	0.000000e+00	0	0	0	0	
##	CSI034	0.000000e+00	0.000000e+00	0	0	0	0	

##	CSI045	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI056	0.000000e+00	0.000000e+00	0	0	0	0
##	CSI066	0.000000e+00	0.000000e+00	0	0	0	0
##		Otu12861	Otu12862	Otu12863	Otu12864	Otu12865	Otu12866 Otu12867
##	CSI002	0	0	0	0	0	0.000000e+00 0
##	CSI013	0	0	0	0	0	0.000000e+00 0
##	CSI023	0	0	0	0	0	0.000000e+00 0
##	CSI034	0	0	0	0	0	3.789817e-05 0
##	CSI045	0	0	0	0	0	0.000000e+00 0
##	CSI056	0	0	0	0	0	0.000000e+00 0
##	CSI066	0	0	0	0	0	0.000000e+00 0
##		Otu12868	Otu12869	Otu12870	Otu12871	Otu12872	Otu12873 Otu12874
##	CSI002	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0.000000e+00
##		Otu12875	Otu12876	Otu12877	Otu12878	Otu12879	Otu12880 Otu12881
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu12882	Otu12883	Otu12884	Otu12885	Otu12886	Otu12887 Otu12888
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu12889	Otu12890	Otu12891	Otu12892	Otu12893	Otu12894 Otu12895
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0
##	CSI023	0	0	0	0	0	0 0
##	CSI034	0	0	0	0	0	0 0
##	CSI045	0	0	0	0	0	0 0
##	CSI056	0	0	0	0	0	0 0
##	CSI066	0	0	0	0	0	0 0
##		Otu12896	Otu12897	Otu12898	Otu12899	Otu12900	Otu12901 Otu12902
##	CSI002	0	0	0.000000e+00	0	0	0 0
##	CSI013	0	0	0.000000e+00	0	0	0 0
##	CSI023	0	0	0.000000e+00	0	0	0 0
##	CSI034	0	0	1.894908e-05	0	0	0 0
##	CSI045	0	0	0.000000e+00	0	0	0 0
##	CSI056	0	0	0.000000e+00	0	0	0 0
##	CSI066	0	0	0.000000e+00	0	0	0 0
##		Otu12903	Otu12904	Otu12905	Otu12906	Otu12907	Otu12908 Otu12909
##	CSI002	0	0	0	0	0	0 0
##	CSI013	0	0	0	0	0	0 0

##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12910	Otu12911	Otu12912	Otu12913	Otu12914	Otu12915	Otu12916
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	6.391614e-05	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	0.000000e+00	0
##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		Otu12917	Otu12918	Otu12919	Otu12920	Otu12921	Otu12922	Otu12923
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12924	Otu12925	Otu12926	Otu12927	Otu12928	Otu12929	Otu12930
##	CSI002	0	0	0	0	1.362194e-05	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu12931	Otu12932	Otu12933	Otu12934	Otu12935	Otu12936	Otu12937
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12938	Otu12939	Otu12940	Otu12941	Otu12942	Otu12943	Otu12944
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12945	Otu12946	Otu12947	Otu12948	Otu12949	Otu12950	Otu12951
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12952	Otu12953	Otu12954	Otu12955	Otu12956	Otu12957	Otu12958

##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12959	Otu12960	Otu12961	Otu12962	Otu12963	Otu12964	
##	CSI002	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	0	1.959286e-05	0	0	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00	
##		Otu12965	Otu12966	Otu12967	Otu12968	Otu12969	Otu12970	Otu12971
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12972	Otu12973	Otu12974	Otu12975	Otu12976	Otu12977	Otu12978
##	CSI002	1.362194e-05	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu12979	Otu12980	Otu12981	Otu12982	Otu12983	Otu12984	Otu12985
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12986	Otu12987	Otu12988	Otu12989	Otu12990	Otu12991	Otu12992
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu12993	Otu12994	Otu12995	Otu12996	Otu12997	Otu12998	
##	CSI002	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI013	0	0	0.000000e+00	0	6.391614e-05	0	
##	CSI023	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI034	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI045	0	0	0.000000e+00	0	0.000000e+00	0	
##	CSI056	0	0	0.000000e+00	0	0.000000e+00	0	


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## CSI066      0      0 0.000000e+00      0 0.000000e+00      0
##      0tu12999 0tu13000      0tu13001 0tu13002 0tu13003 0tu13004 0tu13005
## CSI002      0      0 1.362194e-05      0      0      0      0
## CSI013      0      0 0.000000e+00      0      0      0      0
## CSI023      0      0 0.000000e+00      0      0      0      0
## CSI034      0      0 0.000000e+00      0      0      0      0
## CSI045      0      0 0.000000e+00      0      0      0      0
## CSI056      0      0 0.000000e+00      0      0      0      0
## CSI066      0      0 0.000000e+00      0      0      0      0
##      0tu13006 0tu13007 0tu13008 0tu13009 0tu13010 0tu13011 0tu13012
## CSI002 0.000000e+00      0      0      0      0      0      0
## CSI013 0.000000e+00      0      0      0      0      0      0
## CSI023 0.000000e+00      0      0      0      0      0      0
## CSI034 0.000000e+00      0      0      0      0      0      0
## CSI045 0.000000e+00      0      0      0      0      0      0
## CSI056 3.918572e-05      0      0      0      0      0      0
## CSI066 0.000000e+00      0      0      0      0      0      0
##      0tu13013 0tu13014 0tu13015 0tu13016 0tu13017 0tu13018 0tu13019
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu13020      0tu13021 0tu13022 0tu13023 0tu13024 0tu13025 0tu13026
## CSI002      0 0.000000e+00      0      0      0      0      0
## CSI013      0 0.000000e+00      0      0      0      0      0
## CSI023      0 0.000000e+00      0      0      0      0      0
## CSI034      0 0.000000e+00      0      0      0      0      0
## CSI045      0 0.000000e+00      0      0      0      0      0
## CSI056      0 0.000000e+00      0      0      0      0      0
## CSI066      0 0.000000e+00      0      0      0      0      0
##      0tu13027 0tu13028 0tu13029      0tu13030 0tu13031 0tu13032 0tu13033
## CSI002      0      0      0 0.000000e+00      0      0      0
## CSI013      0      0      0 3.195807e-05      0      0      0
## CSI023      0      0      0 0.000000e+00      0      0      0
## CSI034      0      0      0 0.000000e+00      0      0      0
## CSI045      0      0      0 0.000000e+00      0      0      0
## CSI056      0      0      0 0.000000e+00      0      0      0
## CSI066      0      0      0 0.000000e+00      0      0      0
##      0tu13034 0tu13035 0tu13036 0tu13037 0tu13038      0tu13039 0tu13040
## CSI002      0      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0      0 0.000000e+00      0
## CSI023      0      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0      0 0.000000e+00      0
## CSI045      0      0      0      0      0 0.000000e+00      0
## CSI056      0      0      0      0      0 0.000000e+00      0
## CSI066      0      0      0      0      0 0.000000e+00      0
##      0tu13041 0tu13042 0tu13043 0tu13044 0tu13045      0tu13046 0tu13047
## CSI002      0      0      0      0      0 0.000000e+00      0
## CSI013      0      0      0      0      0 0.000000e+00      0
## CSI023      0      0      0      0      0 0.000000e+00      0
## CSI034      0      0      0      0      0 1.894908e-05      0

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##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##	Otu13048	Otu13049	Otu13050	Otu13051	Otu13052	Otu13053		
##	CSI002	0	0.000000e+00	2.724387e-05	0	0	0	
##	CSI013	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI023	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI034	0	3.789817e-05	0.000000e+00	0	0	0	
##	CSI045	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI056	0	0.000000e+00	0.000000e+00	0	0	0	
##	CSI066	0	0.000000e+00	0.000000e+00	0	0	0	
##	Otu13054	Otu13055	Otu13056	Otu13057	Otu13058	Otu13059	Otu13060	
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	3.833694e-05	0	0	0	0
##	Otu13061	Otu13062	Otu13063	Otu13064	Otu13065	Otu13066	Otu13067	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu13068	Otu13069	Otu13070	Otu13071	Otu13072	Otu13073	Otu13074	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu13075	Otu13076	Otu13077	Otu13078	Otu13079	Otu13080	Otu13081	
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	3.195807e-05	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	1.894908e-05	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##	Otu13082	Otu13083	Otu13084	Otu13085	Otu13086	Otu13087	Otu13088	
##	CSI002	0	0	0	0.000000e+00	0	0	0
##	CSI013	0	0	0	0.000000e+00	0	0	0
##	CSI023	0	0	0	0.000000e+00	0	0	0
##	CSI034	0	0	0	0.000000e+00	0	0	0
##	CSI045	0	0	0	0.000000e+00	0	0	0
##	CSI056	0	0	0	0.000000e+00	0	0	0
##	CSI066	0	0	0	0.000000e+00	0	0	0
##	Otu13089	Otu13090	Otu13091	Otu13092	Otu13093	Otu13094	Otu13095	
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	0.000000e+00	0	0	0	0	0	0

##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	3.918572e-05	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu13096	Otu13097	Otu13098	Otu13099	Otu13100	Otu13101	Otu13102
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	1.959286e-05
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu13103	Otu13104	Otu13105	Otu13106	Otu13107	Otu13108	Otu13109
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	6.391614e-05
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu13110	Otu13111	Otu13112	Otu13113	Otu13114	Otu13115	Otu13116
##	CSI002	0.000000e+00	0	0	0	0	0	0
##	CSI013	3.195807e-05	0	0	0	0	0	0
##	CSI023	0.000000e+00	0	0	0	0	0	0
##	CSI034	0.000000e+00	0	0	0	0	0	0
##	CSI045	0.000000e+00	0	0	0	0	0	0
##	CSI056	0.000000e+00	0	0	0	0	0	0
##	CSI066	0.000000e+00	0	0	0	0	0	0
##		Otu13117	Otu13118	Otu13119	Otu13120	Otu13121	Otu13122	Otu13123
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13124	Otu13125	Otu13126	Otu13127	Otu13128	Otu13129	Otu13130
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	1.894908e-05	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu13131	Otu13132	Otu13133	Otu13134	Otu13135	Otu13136	Otu13137
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13138	Otu13139	Otu13140	Otu13141	Otu13142	Otu13143	Otu13144

##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	3.789817e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu13145	Otu13146	Otu13147	Otu13148	Otu13149	Otu13150	Otu13151
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13152	Otu13153	Otu13154	Otu13155	Otu13156	Otu13157	Otu13158
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13159	Otu13160	Otu13161	Otu13162	Otu13163	Otu13164	Otu13165
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13166	Otu13167	Otu13168	Otu13169	Otu13170	Otu13171	Otu13172
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	6.391614e-05
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu13173	Otu13174	Otu13175	Otu13176	Otu13177	Otu13178	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI045	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI056	1.959286e-05	0	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	
##		Otu13179	Otu13180	Otu13181	Otu13182	Otu13183	Otu13184	Otu13185
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	6.391614e-05	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0

##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu13186	Otu13187	Otu13188	Otu13189	Otu13190	Otu13191	
##	CSI002	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI013	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI023	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI034	0.000000e+00	0	0	0	1.894908e-05	0	
##	CSI045	6.530186e-05	0	0	0	0.000000e+00	0	
##	CSI056	0.000000e+00	0	0	0	0.000000e+00	0	
##	CSI066	0.000000e+00	0	0	0	0.000000e+00	0	
##		Otu13192	Otu13193	Otu13194	Otu13195	Otu13196	Otu13197	Otu13198
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13199	Otu13200	Otu13201	Otu13202	Otu13203	Otu13204	Otu13205
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13206	Otu13207	Otu13208	Otu13209	Otu13210	Otu13211	Otu13212
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13213	Otu13214	Otu13215	Otu13216	Otu13217	Otu13218	Otu13219
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	3.833694e-05	0	0
##		Otu13220	Otu13221	Otu13222	Otu13223	Otu13224	Otu13225	Otu13226
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	6.391614e-05	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu13227	Otu13228	Otu13229	Otu13230	Otu13231	Otu13232	Otu13233
##	CSI002	0	0	0	0	0	0.000000e+00	0
##	CSI013	0	0	0	0	0	0.000000e+00	0
##	CSI023	0	0	0	0	0	0.000000e+00	0
##	CSI034	0	0	0	0	0	3.789817e-05	0

##	CSI045	0	0	0	0	0	0.000000e+00	0
##	CSI056	0	0	0	0	0	0.000000e+00	0
##	CSI066	0	0	0	0	0	0.000000e+00	0
##		Otu13234	Otu13235	Otu13236	Otu13237	Otu13238	Otu13239	Otu13240
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu13241	Otu13242	Otu13243	Otu13244	Otu13245	Otu13246	Otu13247
##	CSI002	0	0	0	0	0.000000e+00	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	3.918572e-05	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu13248	Otu13249	Otu13250	Otu13251	Otu13252	Otu13253	Otu13254
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13255	Otu13256	Otu13257	Otu13258	Otu13259	Otu13260	Otu13261
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13262	Otu13263	Otu13264	Otu13265	Otu13266	Otu13267	Otu13268
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13269	Otu13270	Otu13271	Otu13272	Otu13273	Otu13274	
##	CSI002	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI013	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI023	0	0	0	0.000000e+00	0	4.082049e-05	
##	CSI034	0	0	0	3.789817e-05	0	0.000000e+00	
##	CSI045	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI056	0	0	0	0.000000e+00	0	0.000000e+00	
##	CSI066	0	0	0	0.000000e+00	0	0.000000e+00	
##		Otu13275	Otu13276	Otu13277	Otu13278	Otu13279	Otu13280	Otu13281
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0

##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu13282	Otu13283	Otu13284	Otu13285	Otu13286	Otu13287	Otu13288	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu13289	Otu13290	Otu13291	Otu13292	Otu13293	Otu13294	Otu13295	
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	3.789817e-05	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0
##	CSI066	0	0	0.000000e+00	0	0	0	0
##	Otu13296	Otu13297	Otu13298	Otu13299	Otu13300	Otu13301	Otu13302	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu13303	Otu13304	Otu13305	Otu13306	Otu13307	Otu13308	Otu13309	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu13310	Otu13311	Otu13312	Otu13313	Otu13314	Otu13315	Otu13316	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu13317	Otu13318	Otu13319	Otu13320	Otu13321	Otu13322	Otu13323	
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##	Otu13324	Otu13325	Otu13326	Otu13327	Otu13328	Otu13329	Otu13330	

##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	1.894908e-05
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu13331	Otu13332	Otu13333	Otu13334	Otu13335	Otu13336	Otu13337
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13338	Otu13339	Otu13340	Otu13341	Otu13342	Otu13343	
##	CSI002	0	1.362194e-05	0	0	0	1.362194e-05	
##	CSI013	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI023	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI034	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI045	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI056	0	0.000000e+00	0	0	0	0.000000e+00	
##	CSI066	0	0.000000e+00	0	0	0	0.000000e+00	
##		Otu13344	Otu13345	Otu13346	Otu13347	Otu13348	Otu13349	Otu13350
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13351	Otu13352	Otu13353	Otu13354	Otu13355	Otu13356	
##	CSI002	0	0	0	0.000000e+00	1.362194e-05	0	
##	CSI013	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI023	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI034	0	0	0	1.894908e-05	0.000000e+00	0	
##	CSI045	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI056	0	0	0	0.000000e+00	0.000000e+00	0	
##	CSI066	0	0	0	0.000000e+00	0.000000e+00	0	
##		Otu13357	Otu13358	Otu13359	Otu13360	Otu13361	Otu13362	Otu13363
##	CSI002	0	0	0	0	1.362194e-05	0	0
##	CSI013	0	0	0	0	0.000000e+00	0	0
##	CSI023	0	0	0	0	0.000000e+00	0	0
##	CSI034	0	0	0	0	0.000000e+00	0	0
##	CSI045	0	0	0	0	0.000000e+00	0	0
##	CSI056	0	0	0	0	0.000000e+00	0	0
##	CSI066	0	0	0	0	0.000000e+00	0	0
##		Otu13364	Otu13365	Otu13366	Otu13367	Otu13368	Otu13369	Otu13370
##	CSI002	0	0	0.000000e+00	0	0	0	0
##	CSI013	0	0	0.000000e+00	0	0	0	0
##	CSI023	0	0	0.000000e+00	0	0	0	0
##	CSI034	0	0	0.000000e+00	0	0	0	0
##	CSI045	0	0	0.000000e+00	0	0	0	0
##	CSI056	0	0	0.000000e+00	0	0	0	0

##	CSI066	0	0	0.000000e+00	0	0	0	0
##		Otu13371	Otu13372	Otu13373	Otu13374	Otu13375	Otu13376	Otu13377
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13378	Otu13379	Otu13380	Otu13381	Otu13382	Otu13383	Otu13384
##	CSI002	0	0	0	0	0	0	0.000000e+00
##	CSI013	0	0	0	0	0	0	0.000000e+00
##	CSI023	0	0	0	0	0	0	0.000000e+00
##	CSI034	0	0	0	0	0	0	0.000000e+00
##	CSI045	0	0	0	0	0	0	0.000000e+00
##	CSI056	0	0	0	0	0	0	0.000000e+00
##	CSI066	0	0	0	0	0	0	0.000000e+00
##		Otu13385	Otu13386	Otu13387	Otu13388	Otu13389	Otu13390	Otu13391
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13392	Otu13393	Otu13394	Otu13395	Otu13396	Otu13397	Otu13398
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13399	Otu13400	Otu13401	Otu13402	Otu13403	Otu13404	Otu13405
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13406	Otu13407	Otu13408	Otu13409	Otu13410	Otu13411	Otu13412
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0
##	CSI045	0	0	0	0	0	0	0
##	CSI056	0	0	0	0	0	0	0
##	CSI066	0	0	0	0	0	0	0
##		Otu13413	Otu13414	Otu13415	Otu13416	Otu13417	Otu13418	Otu13419
##	CSI002	0	0	0	0	0	0	0
##	CSI013	0	0	0	0	0	0	0
##	CSI023	0	0	0	0	0	0	0
##	CSI034	0	0	0	0	0	0	0

```

## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu13420 0tu13421 0tu13422 0tu13423 0tu13424 0tu13425 0tu13426
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu13427 0tu13428 0tu13429 0tu13430 0tu13431 0tu13432 0tu13433
## CSI002      0      0      0      0      0      0      0
## CSI013      0      0      0      0      0      0      0
## CSI023      0      0      0      0      0      0      0
## CSI034      0      0      0      0      0      0      0
## CSI045      0      0      0      0      0      0      0
## CSI056      0      0      0      0      0      0      0
## CSI066      0      0      0      0      0      0      0
##      0tu13434 0tu13435
## CSI002 0.000000e+00      0
## CSI013 0.000000e+00      0
## CSI023 4.082049e-05      0
## CSI034 0.000000e+00      0
## CSI045 0.000000e+00      0
## CSI056 0.000000e+00      0
## CSI066 0.000000e+00      0
## [ reached getOption("max.print") -- omitted 5 rows ]

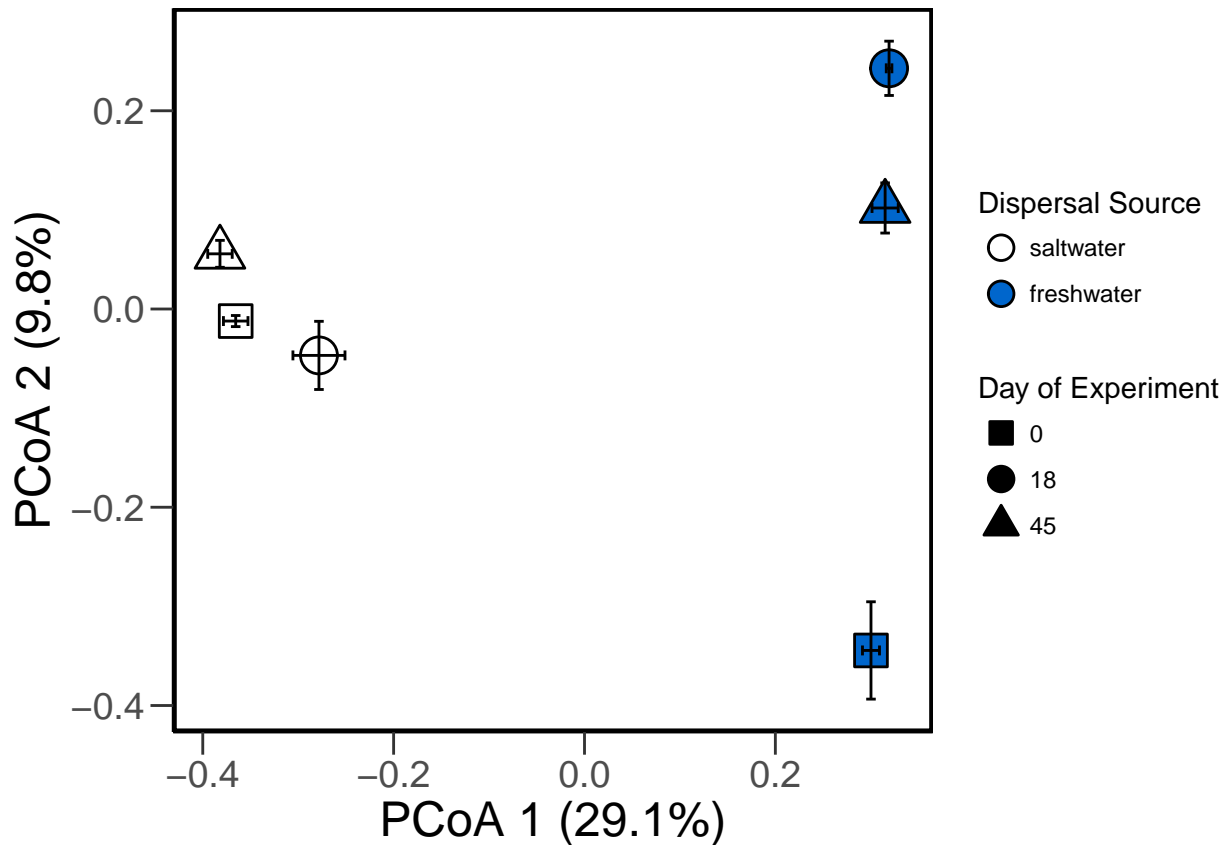
##
## Call:
## adonis(formula = csi.relabun.full2[, -c(1:8)] ~ Date * Dispersal *      Salinity, data = csi.relabun
##
## Permutation: free
## Number of permutations: 1000
##
## Terms added sequentially (first to last)
##
##              Df SumsOfSqs MeanSqs F.Model      R2    Pr(>F)
## Date          2    1.1325 0.56623  2.4905 0.13309 0.002997 **
## Dispersal      1    2.4421 2.44205 10.7410 0.28701 0.000999 ***
## Date:Dispersal 2    1.0691 0.53455  2.3512 0.12565 0.005994 **
## Residuals     17    3.8651 0.22736      0.45425
## Total         22    8.5087      1.00000
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## [1] 29.1
## [1] 9.8

```

PCoA plot sources only

PLOT GGPLOT sources only



```
## Saving 6.5 x 4.5 in image
```

PCoA set up WITH source tanks

PCoA plot design WITH SOURCE TANKS - by date x dispersal type

PLOT GGPLOT WITH SOURCE TANKS + treatment tanks date x dispersal type

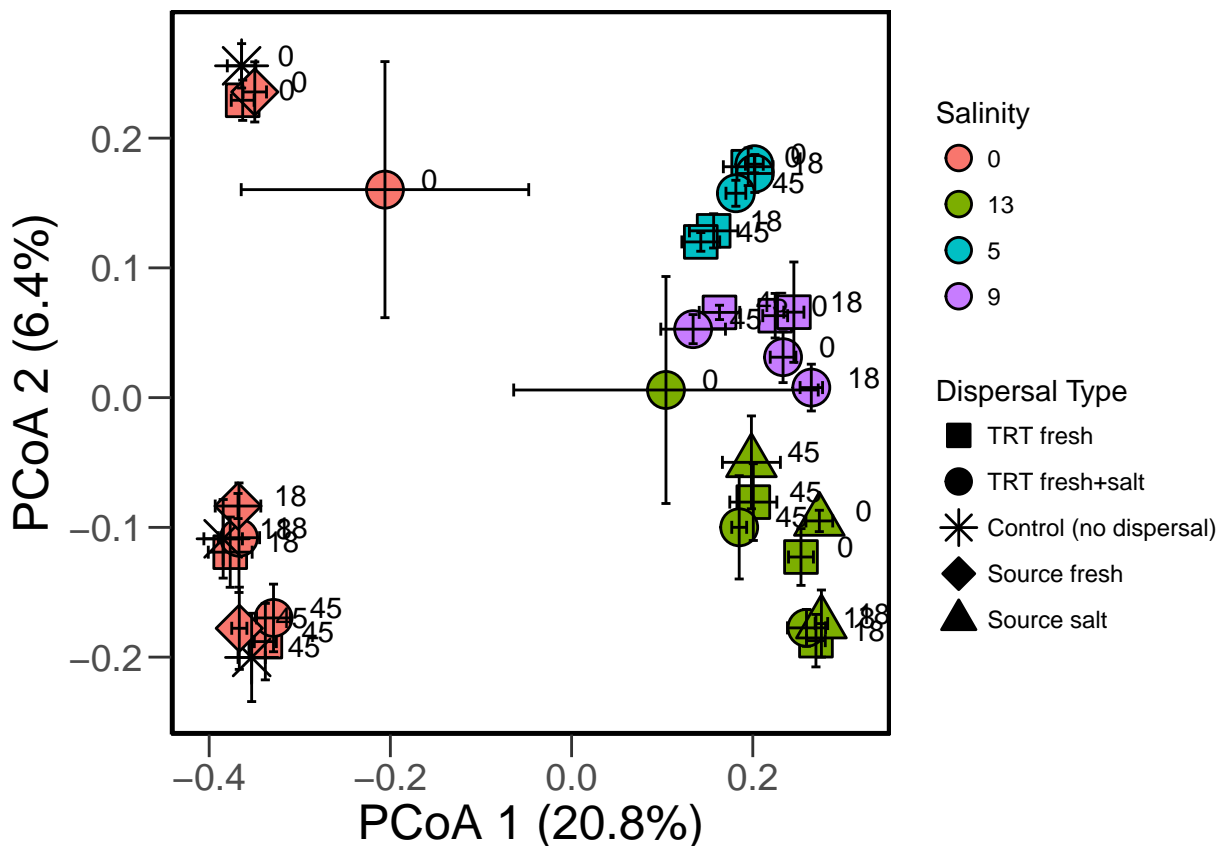
PCoA set up WITH source tanks All data - need to get Day to be labeled on symbol

```
##  
## Call:  
## adonis(formula = csi.relabun.full[, -c(1:8)] ~ Date * Dispersal * Salinity, data = csi.relabun..
```

```
##
## Permutation: free
## Number of permutations: 1000
##
## Terms added sequentially (first to last)
##
##           Df SumsOfSqs MeanSqs F.Model      R2    Pr(>F)
## Date           2      3.474  1.7372  5.9927 0.07170 0.000999 ***
## Dispersal       4      5.441  1.3602  4.6924 0.11228 0.000999 ***
## Salinity        1      3.891  3.8908 13.4217 0.08029 0.000999 ***
## Date:Dispersal   8      2.905  0.3631  1.2527 0.05995 0.023976 *
## Date:Salinity    2      1.545  0.7723  2.6643 0.03188 0.000999 ***
## Dispersal:Salinity 1      0.299  0.2992  1.0320 0.00617 0.362637
## Date:Dispersal:Salinity 2      0.466  0.2331  0.8041 0.00962 0.837163
## Residuals      105     30.438  0.2899           0.62811
## Total          125     48.459           1.00000
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## [1] 20.8
## [1] 6.4
```

PCoA plot design WITH SOURCE TANKS All data - need to get Day to be labeled on symbol

PLOT GGPLOT WITH SOURCE TANKS All data - need to get Day to be labeled on symbol #unsure how to overlay DATE on points



Saving 6.5 x 4.5 in image

Indicator Species Analysis

- (5) Which bacterial taxa are driving bacterial community patterns in response to salinity only? Subset data (run without source tanks) Bray-Curtis dissimilarity matrix for bacterial community Run Species Indicator Analysis - see IL_Wetlands.Rmd file Create Table for Supplemental (includes all taxa and associated taxon contribution to bacterial response) Create subset in table format to highlight top 5-10 OTUs (with names) for each salinity tank type (or by whatever groupings seem interesting) - See AP's IL Wetlands paper
- (6) Is there a relationship between community composition and litter decomposition rates? (Date2=45 only) Subset data - source tanks only Euclidean distance for leaf litter decomposition Bray-Curtis dissimilarity matrix for bacterial community Run matrix comparison using Mantel test

Subset data - experimental (all data but source) tanks Euclidean distance for leaf litter decomposition Bray-Curtis dissimilarity matrix for bacterial community Run matrix comparison using Mantel test

Run Redundancy Analysis to include litter decomp AND C min Model: bacterial community~litter decomp1+decomp2+decomp3+Cmin

#Is there a relationship between bacterial community composition and decomposition rate? used matrix comp
`str(csi.full.ns.Cmin)`

```
## 'data.frame': 31 obs. of 13451 variables:
## $ Field_ID : int 224 225 226 227 228 229 230 231 235 236 ...
## $ Date : Factor w/ 3 levels "6/11/15","6/29/15",...: 3 3 3 3 3 3 3 3 3 3 ...
## $ Date2 : int 45 45 45 45 45 45 45 45 45 45 ...
## $ Replicate : Factor w/ 4 levels "A","B","C","D": 1 1 1 1 1 1 1 2 2 ...
## $ Treatment : int 4 5 6 7 8 9 10 11 4 5 ...
## $ Dispersal : int 3 2 3 2 3 2 3 2 3 2 ...
## $ Salinity : int 0 5 5 9 9 13 13 0 0 5 ...
## $ Salinity_real : num 0.53 4.33 4.51 7.77 8.54 ...
## $ NH4um : num 1.09 1.77 1.59 1.73 1.41 1.04 1.18 1.14 1.24 1.27 ...
## $ NO3um : num 0 0 0 0 0.54 0 0 0 0 0 ...
## $ PO4um : num 0 0 0 0 0 0 0.08 0.11 0 0 ...
## $ Maple_dmass : num 2.66 2.19 2.04 1.28 1.39 1.07 2.23 2.52 1.7 1.85 ...
## $ Spartina_dmass: num 2.7 1.56 1.82 1.14 0.47 0.83 1.66 1.85 1.75 1.93 ...
## $ Phrag_dmass : num 8.25 5.03 5.01 5.2 4.01 0.79 5.48 5.2 5.17 6.52 ...
## $ Cmin : num 46.7 15.1 55 155.2 0 ...
## $ Sample.. : Factor w/ 31 levels "A_10_11JUN15",...: 3 4 5 6 7 8 1 2 11 12 ...
## $ Otu00001 : num 0.000155 0.003197 0.041096 0.044183 0.001123 ...
## $ Otu00002 : num 5.56e-03 2.76e-05 9.58e-05 0.00 1.84e-05 ...
## $ Otu00003 : num 4.43e-05 8.91e-02 1.31e-02 1.99e-02 5.52e-05 ...
## $ Otu00004 : num 2.22e-05 0.00 1.12e-01 3.36e-02 3.68e-05 ...
## $ Otu00005 : num 0 0.0597 0.0484 0.1208 0.0148 ...
## $ Otu00006 : num 0.0002 0.0051 0.00752 0.02378 0.03237 ...
## $ Otu00007 : num 9.12e-02 8.27e-05 0.00 8.57e-04 0.00 ...
## $ Otu00008 : num 6.02e-02 5.51e-05 2.40e-05 0.00 1.84e-05 ...
## $ Otu00009 : num 9.02e-03 8.27e-05 4.55e-04 4.10e-02 1.10e-04 ...
## $ Otu00010 : num 8.87e-05 0.00 0.00 0.00 0.00 ...
## $ Otu00011 : num 0.00 2.32e-03 2.28e-03 1.12e-02 5.52e-05 ...
## $ Otu00012 : num 2.22e-05 3.05e-02 1.75e-03 5.70e-03 1.11e-02 ...
## $ Otu00013 : num 1.71e-02 2.76e-05 0.00 2.14e-05 5.52e-05 ...
## $ Otu00014 : num 2.22e-05 0.00 4.74e-03 4.29e-05 0.00 ...
## $ Otu00015 : num 0.00 5.36e-02 5.66e-02 4.42e-02 7.37e-05 ...
## $ Otu00016 : num 0.00 2.76e-05 0.00 8.57e-05 4.31e-01 ...
## $ Otu00017 : num 6.07e-03 2.76e-05 0.00 0.00 0.00 ...
## $ Otu00018 : num 4.43e-05 5.51e-05 0.00 2.14e-04 1.84e-05 ...
## $ Otu00019 : num 0.001108 0.014167 0.004984 0.013263 0.000331 ...
## $ Otu00020 : num 6.65e-05 5.51e-05 0.00 2.14e-05 5.52e-05 ...
## $ Otu00021 : num 2.22e-05 3.28e-02 1.04e-01 2.08e-01 1.84e-05 ...
## $ Otu00022 : num 0 0.000441 0.000455 0.017377 0.000608 ...
## $ Otu00023 : num 2.22e-05 3.03e-04 1.27e-03 8.57e-05 3.68e-05 ...
## $ Otu00024 : num 1.11e-04 0.00 8.22e-02 1.11e-02 1.84e-05 ...
## $ Otu00025 : num 0.00 9.12e-03 3.86e-03 4.29e-05 1.84e-05 ...
## $ Otu00026 : num 1.33e-04 0.00 4.42e-02 2.94e-02 1.84e-05 ...
## $ Otu00027 : num 0.00 1.93e-04 6.71e-03 2.14e-04 7.37e-05 ...
## $ Otu00028 : num 6.65e-05 9.54e-03 2.01e-03 8.79e-04 5.52e-05 ...
## $ Otu00029 : num 0 0.026046 0 0.000107 0.000166 ...
## $ Otu00030 : num 1.77e-04 0.00 4.79e-05 2.14e-05 0.00 ...
## $ Otu00031 : num 0.00288 0 0 0 0 ...
## $ Otu00032 : num 2.22e-05 0.00 0.00 0.00 0.00 ...
```

```

## $ 0tu00033 : num 0.00 0.00 0.00 2.14e-05 1.84e-05 ...
## $ 0tu00034 : num 0 0 0 0.00171 0 ...
## $ 0tu00035 : num 2.22e-05 0.00 0.00 4.29e-05 0.00 ...
## $ 0tu00036 : num 2.22e-05 0.00 0.00 0.00 0.00 ...
## $ 0tu00037 : num 0 0 0 0 0 ...
## $ 0tu00038 : num 0 0 0.01924 0.00609 0 ...
## $ 0tu00039 : num 0.00 0.00 0.00 2.14e-05 0.00 ...
## $ 0tu00040 : num 0.006118 0.010501 0.028419 0.000836 0.001197 ...
## $ 0tu00041 : num 2.22e-05 1.38e-04 7.19e-05 6.43e-04 0.00 ...
## $ 0tu00042 : num 5.32e-03 1.10e-04 7.19e-04 2.14e-05 0.00 ...
## $ 0tu00043 : num 2.00e-04 2.15e-03 2.16e-04 2.14e-05 7.00e-04 ...
## $ 0tu00044 : num 0.00 3.14e-02 4.79e-05 1.84e-03 0.00 ...
## $ 0tu00045 : num 0.00 0.00 4.79e-05 0.00 0.00 ...
## $ 0tu00046 : num 0.00 0.00 0.00 1.86e-02 1.84e-05 ...
## $ 0tu00047 : num 0.00 2.76e-05 1.15e-02 4.63e-02 0.00 ...
## $ 0tu00048 : num 0.00 2.76e-05 0.00 0.00 0.00 ...
## $ 0tu00049 : num 0.0014 0 0 0 0 ...
## $ 0tu00050 : num 0.000842 0.000882 0.00012 0.000107 0.000129 ...
## $ 0tu00051 : num 2.22e-05 0.00 0.00 0.00 0.00 ...
## $ 0tu00052 : num 0.000133 0 0 0 0 ...
## $ 0tu00053 : num 0 0.000551 0.000312 0.000129 0.017181 ...
## $ 0tu00054 : num 2.44e-04 2.76e-05 7.19e-05 2.14e-05 7.37e-05 ...
## $ 0tu00055 : num 0.00 1.57e-03 2.68e-03 6.21e-04 3.68e-05 ...
## $ 0tu00056 : num 4.43e-05 1.38e-04 0.00 0.00 0.00 ...
## $ 0tu00057 : num 0.00 2.16e-02 7.31e-03 8.57e-05 1.10e-04 ...
## $ 0tu00058 : num 0.00 2.76e-05 4.79e-05 3.70e-02 1.84e-05 ...
## $ 0tu00059 : num 8.87e-04 4.71e-03 7.00e-03 2.14e-05 0.00 ...
## $ 0tu00060 : num 0.000155 0 0 0 0 ...
## $ 0tu00061 : num 0.0136 0 0 0 0 ...
## $ 0tu00062 : num 0 0 0 0 0 0 0 0 0 ...
## $ 0tu00063 : num 0 0.000193 0 0 0 ...
## $ 0tu00064 : num 0.00 5.51e-05 1.41e-03 8.36e-04 4.79e-04 ...
## $ 0tu00065 : num 0 0 0.00556 0 0 ...
## $ 0tu00066 : num 0.000244 0.017695 0.003546 0.007028 0 ...
## $ 0tu00067 : num 0.00 0.00 0.00 8.57e-05 5.52e-05 ...
## $ 0tu00068 : num 0 0 0 0 0.000368 ...
## $ 0tu00069 : num 6.94e-02 2.76e-05 0.00 2.14e-05 0.00 ...
## $ 0tu00070 : num 0.000421 0 0 0 0 ...
## $ 0tu00071 : num 8.87e-05 4.91e-03 5.75e-04 6.43e-05 6.91e-03 ...
## $ 0tu00072 : num 0 0.001351 0.001078 0.000236 0.009428 ...
## $ 0tu00073 : num 0 0.000193 0.002396 0.000321 0.000921 ...
## $ 0tu00074 : num 0 0 0 0 0 ...
## $ 0tu00075 : num 0 0 0 0 0 ...
## $ 0tu00076 : num 2.22e-05 0.00 0.00 0.00 0.00 ...
## $ 0tu00077 : num 4.43e-05 1.77e-02 4.96e-03 3.00e-04 3.68e-05 ...
## $ 0tu00078 : num 0 0.00011 0.000719 0.000214 0.128241 ...
## $ 0tu00079 : num 0.108 0 0 0 0 ...
## $ 0tu00080 : num 0 0.027755 0.002612 0.000214 0.000276 ...
## $ 0tu00081 : num 0 0 0 0 0 ...
## $ 0tu00082 : num 8.87e-05 0.00 0.00 0.00 1.84e-05 ...
## $ 0tu00083 : num 0.00 2.76e-05 0.00 0.00 0.00 ...
## [list output truncated]

```

```

df.bcc <- csi.full.ns.Cmin[,-c(1:16)] #bacteria
df.env.bcc <- csi.full.ns.Cmin[,c(1:16)] #env
df.decomp <- csi.full.ns.Cmin[,c(12:14)] #decomp
df.decompCmin <- csi.full.ns.Cmin[,c(12:15)] #decompCmin

#bray curtis for bact comm
dist.bcc <- vegdist(df.bcc, method = "bray")
#euclidean distance for leaf litter decomp
dist.decomp <- vegdist(df.decomp, method = "euclidean")
#euclidean distance for leaf litter decomp and Cmin
dist.decompCmin <- vegdist(df.decompCmin, method = "euclidean")

#matrix comparison
mantel.rtest(dist.bcc, dist.decomp, nrepet = 999) #bacteria compared to decomp correlation r = 0.231, P = 0.005

## Monte-Carlo test
## Call: mantel.rtest(m1 = dist.bcc, m2 = dist.decomp, nrepet = 999)
##
## Observation: 0.2309126
##
## Based on 999 replicates
## Simulated p-value: 0.005
## Alternative hypothesis: greater
##
##      Std.Obs  Expectation      Variance
## 2.9358992446 0.0001026439 0.0061805441

mantel.rtest(dist.bcc, dist.decompCmin, nrepet = 999) #bacteria compared to decompCmin correlation r = 0.211, P = 0.007

## Monte-Carlo test
## Call: mantel.rtest(m1 = dist.bcc, m2 = dist.decompCmin, nrepet = 999)
##
## Observation: 0.2116409
##
## Based on 999 replicates
## Simulated p-value: 0.007
## Alternative hypothesis: greater
##
##      Std.Obs  Expectation      Variance
## 2.885792458 0.001630443 0.005296045

#Redundancy Analysis
f <- df.bcc ~ Maple_dmass + Spartina_dmass + Phrag_dmass + Cmin
df.rda <- dbrda(f, data=df.env.bcc, distance="bray")
anova(df.rda, by="terms", model="direct")

## Permutation test for dbrda under direct model
## Terms added sequentially (first to last)
## Permutation: free
## Number of permutations: 999
##
## Model: dbrda(formula = df.bcc ~ Maple_dmass + Spartina_dmass + Phrag_dmass + Cmin, data = df.env.bcc)
##              Df SumOfSqs      F Pr(>F)
## Maple_dmass   1   0.8322 2.4026 0.001 ***
## Spartina_dmass 1   0.6253 1.8054 0.021 *

```

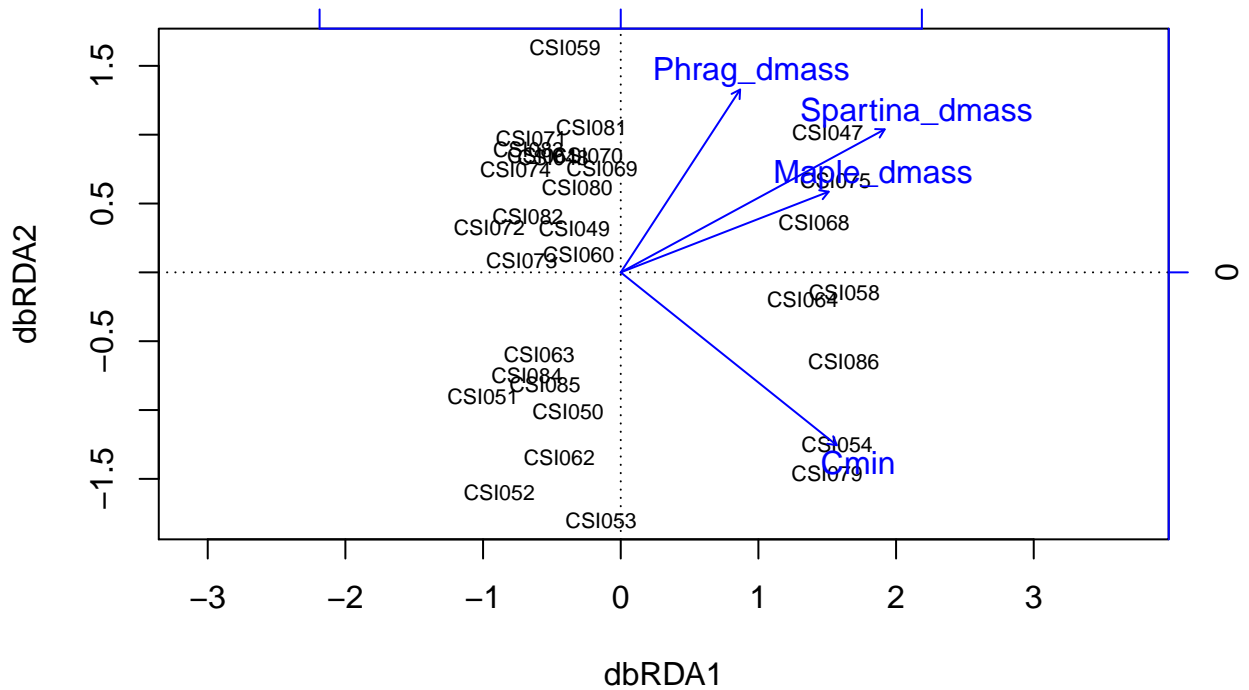


```
## Phrag_dmass      1    0.3183 0.9189  0.533
## Cmin             1    0.5641 1.6286  0.042 *
## Residual        26    9.0056
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

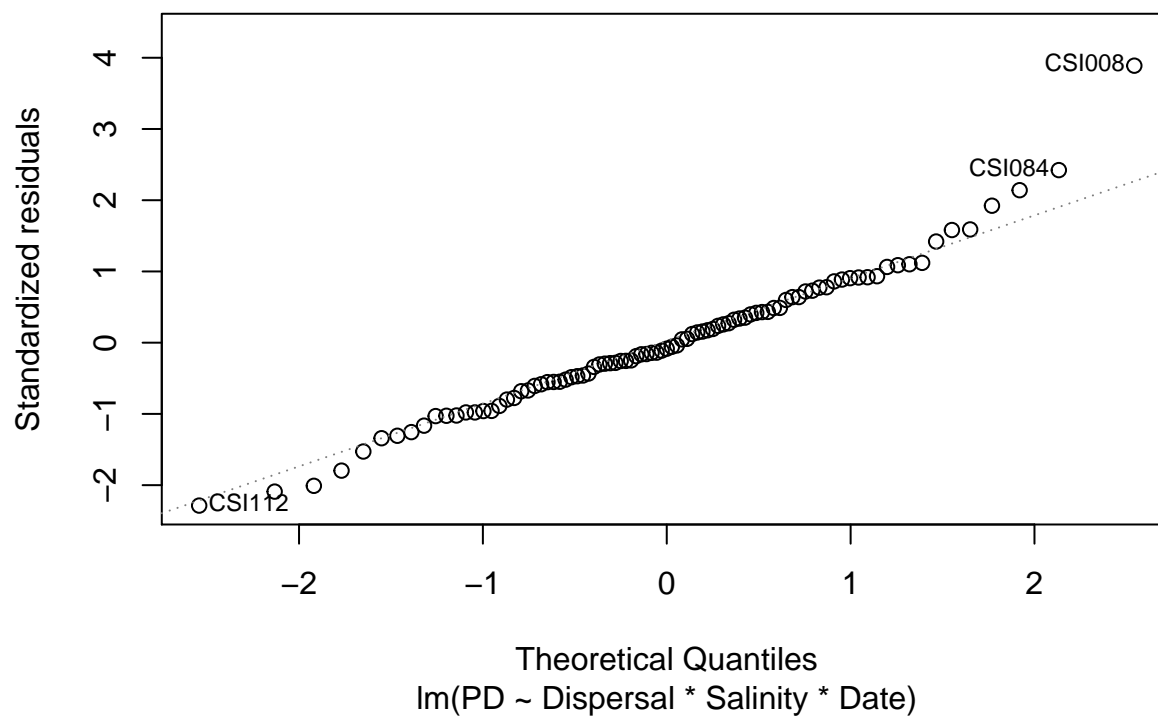
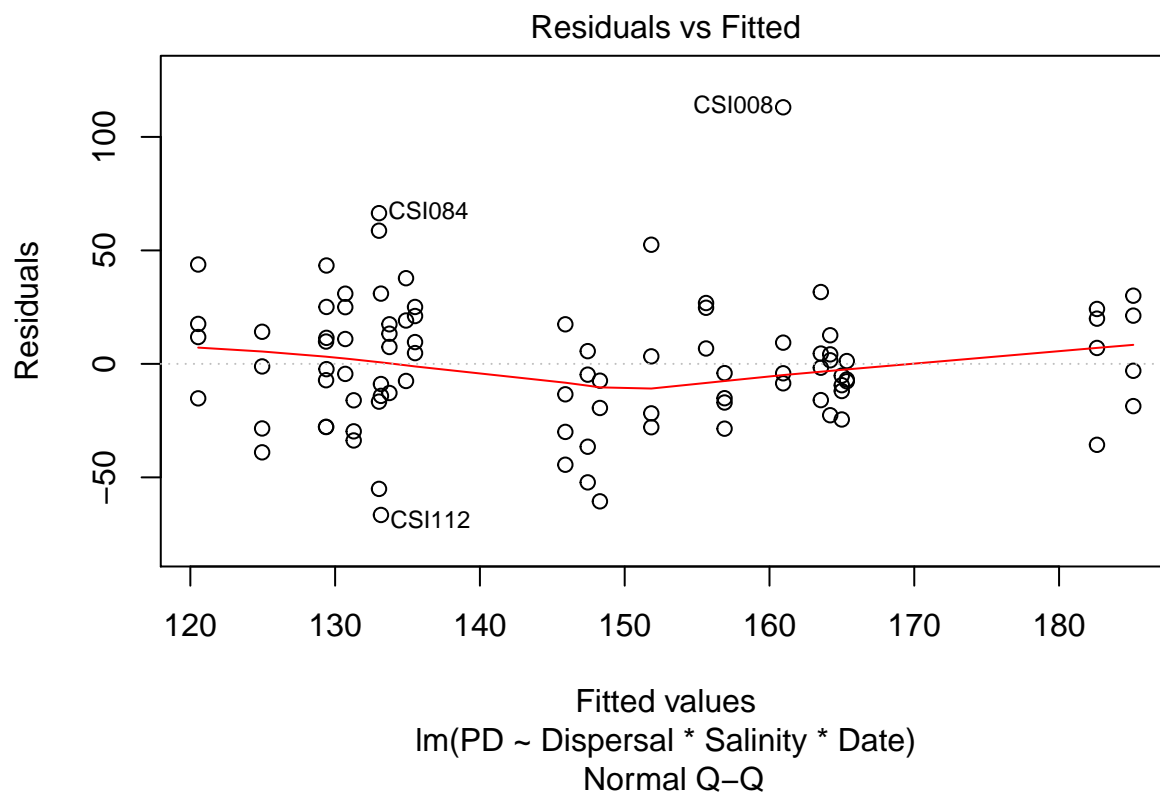
```
RsquareAdj(df.rda)
```

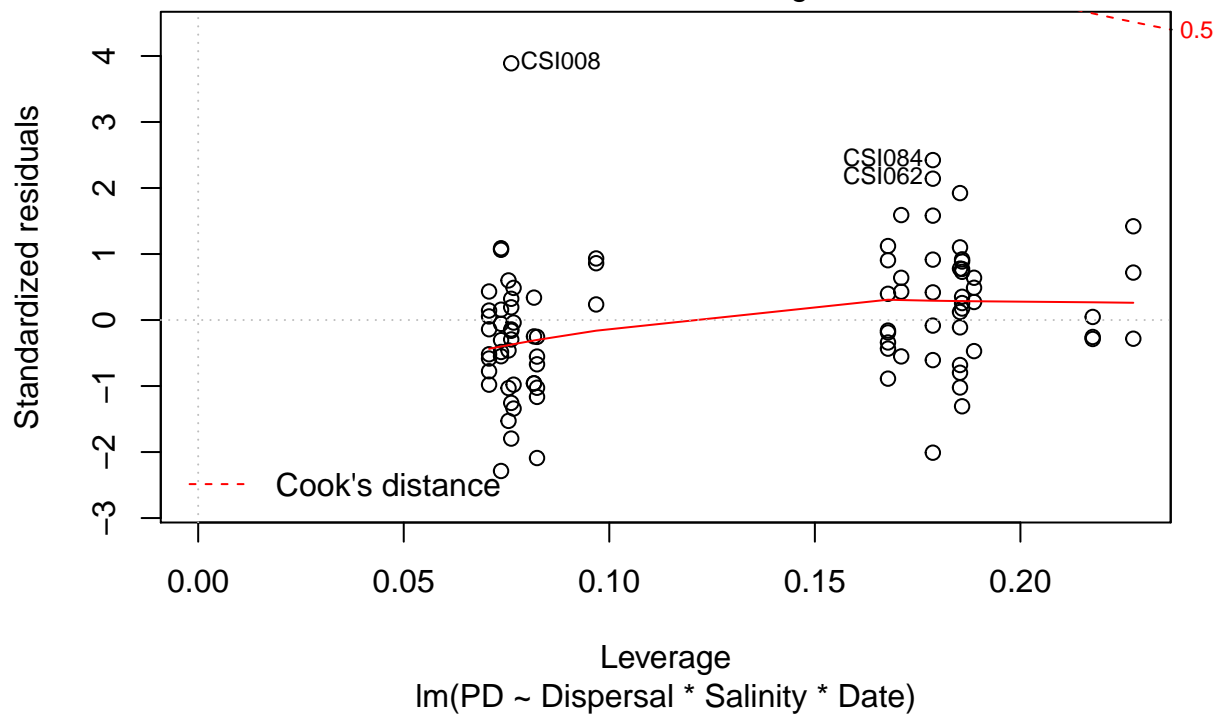
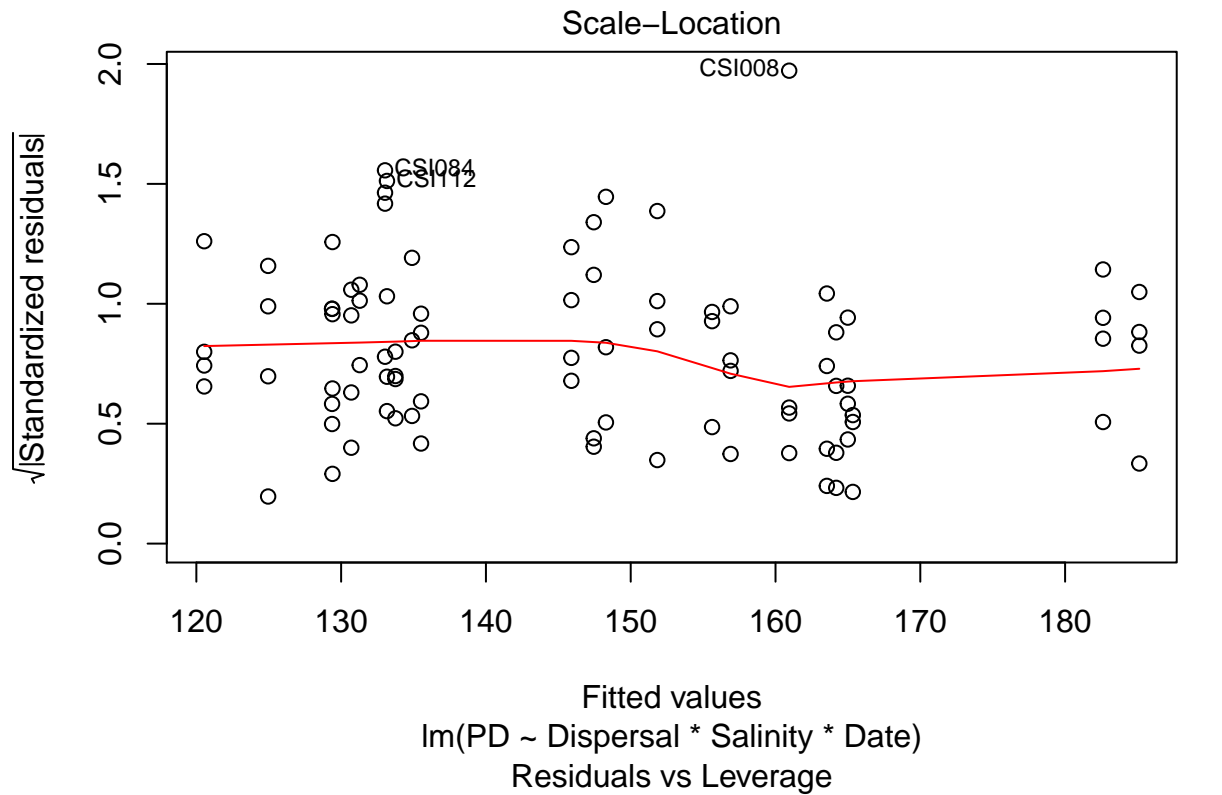
```
## $r.squared
## [1] 0.2062415
##
## $adj.r.squared
## [1] 0.08412478
```

```
plot(df.rda)
```



```
# run full parametric statistical model
PD.lm <- lm(PD ~ Dispersal*Salinity*Date, data = csi.phylo.ns)
plot(PD.lm)
```





```
anova(PD.lm)
```

```
## Analysis of Variance Table
```

```
##
```

```
## Response: PD
```

```
##
```

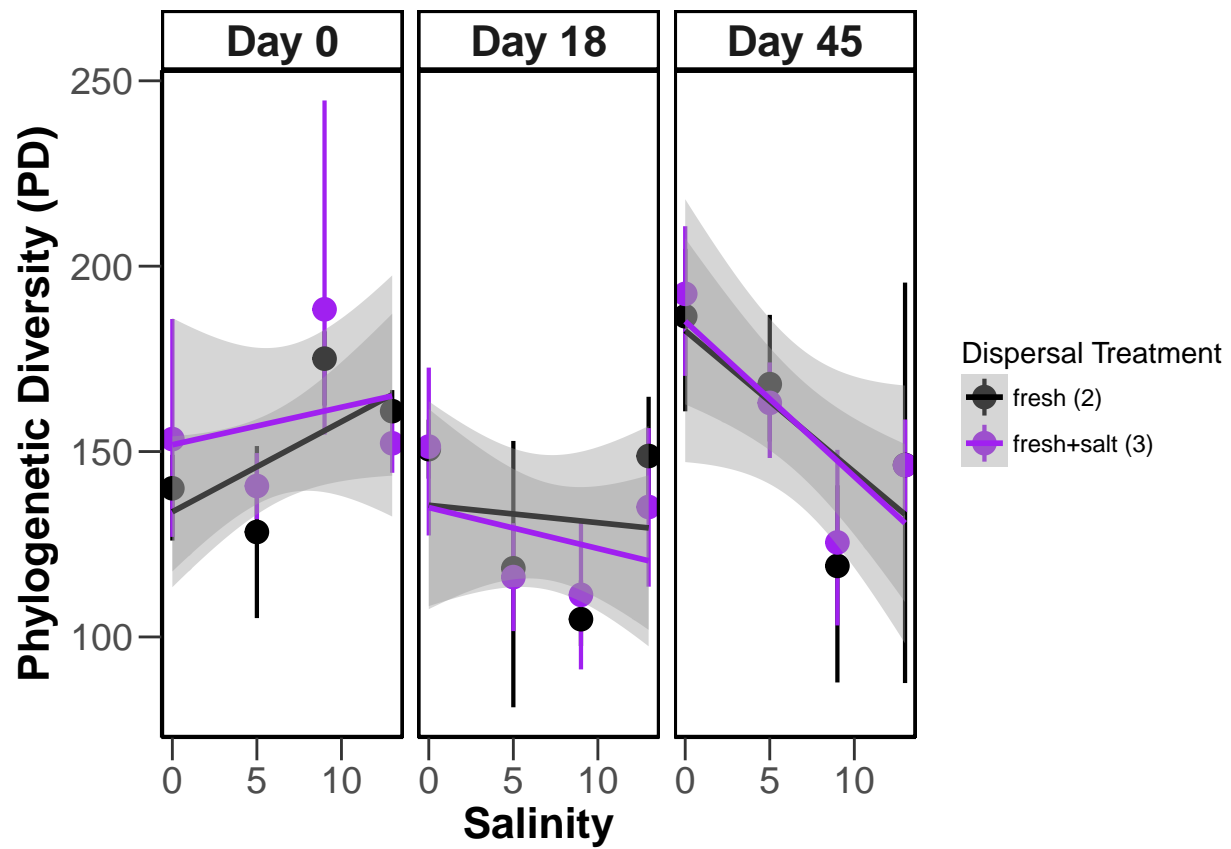
```
Df Sum Sq Mean Sq F value Pr(>F)
```

```
## Dispersal          1      74      74.4  0.0814 0.776199
## Salinity           1    2891   2891.3  3.1612 0.079253 .
## Date              2   13257   6628.6  7.2475 0.001289 **
## Dispersal:Salinity 1     294    293.5  0.3209 0.572650
## Dispersal:Date     2     914    456.8  0.4995 0.608747
## Salinity:Date      2   11676   5838.1  6.3832 0.002693 **
## Dispersal:Salinity:Date 2    104     52.1  0.0570 0.944656
## Residuals         79   72254    914.6
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
# run linear regression measured salinity used instead of 'factor' salinity
PD.reg <- lm(PD~Salinity_real, data = csi.phylo.ns)
summary(PD.reg)
```

```
##
## Call:
## lm(formula = PD ~ Salinity_real, data = csi.phylo.ns)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -82.052 -22.178  -0.528   18.479  131.553
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   155.0612     6.2093   24.972  <2e-16 ***
## Salinity_real  -1.1907     0.7637   -1.559    0.122
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 33.31 on 89 degrees of freedom
## Multiple R-squared:  0.02659,    Adjusted R-squared:  0.01565
## F-statistic: 2.431 on 1 and 89 DF,  p-value: 0.1225
```

```
# Phylogenetic Diversity - Treatment Salinity
p <- ggplot(csi.phylo.ns, aes(x=Salinity, y=PD, color=as.factor(Dispersal)))+ scale_color_manual(name="Dispersal")
p1=p+geom_smooth(method="lm")+facet_wrap(~Date2)+facet_grid(. ~ Date2, labeller=labeler(Date2 = labels.Date2))
p1 + theme_bw() + theme(panel.grid.major = element_blank(), panel.grid.minor = element_blank(), axis.lim
```



```
ggsave("../figures/phylogenetic_div.pdf", plot=last_plot(), device=NULL, path=NULL, scale=1, width=NA, height=NA)
```

```
## Saving 6.5 x 4.5 in image
```