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[R.app GUI 1.80 (8376) aarch64-apple-darwin20]
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> library(generalCorr)
Loading required package: np
Nonparametric Kernel Methods for Mixed Datatypes (version 0.60-17)
[vignette("np_faq",package="np") provides answers to frequently asked questions] [vignette("np",package="np") an overview]
[vignette("entropy_np",package="np") an overview of entropy-based methods]
Loading required package: xtable
Loading required package: meboot
Loading required package: dynlm
Loading required package: zoo
Attaching package: 'zoo'
The following objects are masked from 'package:base':
     as.Date. as.Date.numeric
Loading required package: nlme
Loading required package: tdigest
Loading required package: hdrcde
This is hdrcde 3.4
Loading required package: psych
Loading required package: lattice
> rm(list = ls())
11,0,29,0,1,0,0,20.225,3.333,0,0,1.124,5.882,0.952,54.444,2.752,1.869,0,0.935,0,0,1.031,0,5.405,24.576,31.092,4,0,11.
,13.953,24.779,0,0.758,0,0,0,0,0,0,0,0,0,6.667,1.389,4.861,3.472,1.379,9.655,7.639,2.667,22.667,2,0,22,2.667,14.667,0,0
,0,0,0,0,0)
> x1 <
3.333, 1.333, 4.667, \emptyset, 1.342, \emptyset.671, \emptyset.671, \emptyset.0, \emptyset, 0, \emptyset, 0.667, \emptyset, 0, 0.667, \emptyset, 0, 0.667, \emptyset, 0.667, \emptyset, 1.333, \emptyset, 0, \emptyset, 0, 0, 0.667, \emptyset, 0.671, \emptyset, 0.671, \emptyset, 0.671, \emptyset, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0
0.0.0.0
> x2 <-
```

R version 4.4.0 (2024-04-24) -- "Puppy Cup"

```
808,0,51.648,1.818,1.835,0,0,1.111,0,1.075,19.802,4.386,40,32.231,1.681,0,4.762,0,0,0,13.077,2.256,18.841,0.714,0,0,0,7
 > x5 <
 c(0,0,0,0.704,0.704,0.1.408,0,0,0,0,12.676,0,0,0,0.699,0,99.301,0,0,0,0.1.418,0.709,17.391,0.741,2.985,1.493,0.719,39\\.535,0,0.758,0,0,49.02,1.852,6.475,7.857,17.829,32.743,0,0.855,0,7.031,1.439,10.791,2.158,1.439,5,7.143,0,19.858,0.704,
  ,0,0)
  > x6 <-
  , 0.704, 0.699, 0.699, 2.817, 0.709, 0, 1.418, 0, 9.859, 40.559, 0, 1.408, 2.143, 1.418, 0, 7.299, 5.882, 0, 0, 0, 0, 6.475, 0.709, 2.113, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0.709, 0
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  1,48.485,0,0,0,14.545,0,4.545,0,0,0,0,0,0,0,0,0,0,1.653,0)
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> 0 < c(x0,x1,x2,x3,x4,x5,x6,x7,x8,x9,x10,x11)
,0,0,2.013,99.329,0,61.745,5.369,0,0,81.333,0,0,0,10.667,0,0,6,30,4,0,0,80,0,0,0,21.333,0,0,0,0,0,99.333,66.667,2,0.667,66.443,0,5.333,0,2,2,0,0,0.667,61.333,0,0,0,0,0,0,0,0,12,0,97.333,14.667,1.333,0,76.667,47.333,0,0,2.041,0,0,0,0,11.
 c(\emptyset,3.333,\emptyset,0,10.667,\emptyset,0,\emptyset,0.667,0.667,\emptyset,0,2.667,\emptyset,0,2.667,\emptyset,0,0,0,0,0,0,0,0,0,0,0.671,0,1.333,0,1.333,0,0,0,0,0,0,0,0,0,4.667,\emptyset,0,49.333,0,0,2.66,\emptyset,0,7.333,1.333,0,23.49,0.671,0,96.644,2.013,0.671,0,0,0,0,0,0,0,39.597,99.329,0,0.667,0,0,0,0,0,0,0,0,9.8.667,0,4.667,0,0,667,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0.671,0,1.389,0,2.083,3.472,0,0,25.517,0,0.694,58.219,1.37,0.685,7.534,0,0.694,0.685,1.37,1.379,0.694,2.778,1.504,6.294,1.389,2.759,26.712,10.204,0.68,18.493,17.808,0.699,38.889,3
0, 6.667, 2, 4.667, 0.667, 10, 0.667, 2, 0, 0.667, 0.667, 4.667, 0.671, 0, 1.342, 0, 0.667, 0, 0, 0, 92.667, 0, 0, 0, 2, 0, 3.333, 0, 0.667, 11.333, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667
5.369, 0, 0, 0.676, 0, 0, 2.027, 3.378, 0.676, 0, 31.757, 1.351, 0.676, 0, 0, 0, 58.108, 0, 0.671, 0.671, 0.671, 37.584, 2.685, 0, 1.342, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.
33.557, 2.013, 0, 0, 0, 0.676, 51.351, 1.351, 0, 0.676, 0, 0, 0, 9.459, 54.73, 0, 0.676, 0.68, 0, 0, 0, 0, 0, 0, 0, 25, 0, 0, 28.378, 0.676)
 15,0.68,0,0.68,87.075,0,0,34.014,0,0,0,0,37.241,0,0,0,0,0,0,1.379,0,0,92.414,60.69,0,0,0.69,0.69,100,1.379,5.517,0,0,6
.68,0,0,0,0,0.68,0,97.959,0,0,0,0.68,0,12.162,0,59.459,0,0,0,0,0,4.054,98.658,0,61.745,6.04,0,0,83.333,0,0)
\tt c(1.333,11.333,0,0,6.667,24.667,8,0,0,82.55,0,0,0,24.832,0,0,0,0,100,65.101,0.671,0.671,68.456,0,6.04,0,2.685,3.333,0)
 0, 0, 0, 0, 0, 2, 0, 0.667, 0, 0, 0, 0, 4.027, 0, 0, 51.333, 0, 0, 2.667, 66, 0, 0, 6.122, 2.027, 0.676, 29.054, 0.676, 0, 97.297, 0, 0, 0, 0, 0, 0.667, 0
 99,0,2.069,0.69,0,0.685,19.863,0,0.676,56.757,1.37,0.685,6.164,0.763,0,1.361,0.685,1.361,0.69,4.828,1.471,4.167,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,0.694,1.361,
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653, 0.826, 0.833, 3.797, 86.667, 1.639, 2.479, 3.279, 0.5.785, 11.765, 0.0, 0.2.198, 0.917, 1.869, 0.885, 0.0.901, 0.0.99, 1.01, 0.0, 0.00, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000, 0.000,
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 194, 78.571, 0.746, 4.348, 34.932, 2.055, 0, 0.68, 5.442, 0, 0, 0, 0, 0, 0, 0, 0.68, 0, 0, 0, 18.367, 0.68, 19.048, 8.844, 9.524, 2.721, 0, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 1.361, 
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.667, 0, 24.667, 12.667, 0, 76.667, 18.121, 36.242, 0, 45.638, 4.027, 4.698, 7.383, 0, 22.819, 0, 6.04, 0, 0, 0, 2.685, 16.779, 1.342, 36.242, 0, 45.638, 4.027, 4.698, 7.383, 0, 22.819, 0, 6.04, 0, 0, 0, 2.685, 16.779, 1.342, 36.242, 0, 45.638, 4.027, 4.698, 7.383, 0, 22.819, 0, 6.04, 0, 0, 0, 2.685, 16.779, 1.342, 36.242, 0, 45.638, 4.027, 4.698, 7.383, 0, 22.819, 0, 6.04, 0, 0, 0, 2.685, 16.779, 1.342, 36.242, 0, 45.638, 4.027, 4.698, 7.383, 0, 22.819, 0, 6.040, 0, 0, 0, 2.685, 16.779, 1.342, 36.242, 0, 45.638, 4.027, 4.698, 7.383, 0, 22.819, 0, 6.040, 0, 0, 0, 2.685, 16.779, 1.342, 36.242, 0, 45.638, 4.027, 4.698, 7.383, 0, 22.819, 0, 6.040, 0, 0, 0, 2.685, 16.779, 1.342, 36.242, 0, 45.638, 4.027, 4.698, 7.383, 0, 22.819, 0, 6.040, 0, 0, 0, 2.685, 16.779, 1.342, 36.242, 0, 45.638, 4.027, 4.698, 7.383, 0, 22.819, 0, 6.040, 0, 0, 0, 2.685, 16.779, 1.342, 36.242, 0, 45.638, 4.027, 4.698, 7.383, 0, 22.819, 0, 6.040, 0, 0, 0, 2.685, 16.779, 1.342, 36.242, 0, 45.638, 16.779, 1.342, 36.242, 0, 45.638, 16.779, 1.342, 36.242, 0, 45.638, 16.779, 1.342, 36.242, 0, 45.638, 16.779, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.782, 16.
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  7, 6.667, 4, 0, 4.667, 95.302, 0, 0.671, 0, 4.082, 4.73, 5.442, 0, 6.207, 78.621, 0, 48.951, 10.417, 82.639, 0.694, 2.083, 0.694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 694, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.833, 0, 20.
 2.083,5.556,1.389,0,0,0,0,15.328)
  \mathsf{c}(\overset{\checkmark}{4}.8, \emptyset, 1.835, 0.935, 4.95, \emptyset, 5.208, 1.099, \emptyset, 0, \emptyset, 0, \emptyset, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 11.111, 0, 0, 0, 0, 0, 0, 17.5, 2.222, 0, 0, 0, 0, 4.545, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.22222, 0.2222, 0.2222, 0.22222, 0.22222, 0.22222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.2222, 0.22222, 0.22222, 0.22222, 0.22
 0,0,0,0,0,0,0)
> L <- c(y0,y1,y2,y3,y4,y5,y6,y7,y8,y9,y10,y11)
  > z0 <-
 ,1,1,2,4,3,1,2,3,2,2,1,1,3,1,4,3,5,4,5,6,7,9,7,6,9,9,8,9,7,5,8,8,7,9,9,9,9,9,9,9,9,8,9,5,3,3,4,1,3,2,2,2,1,3,4,1,3,2,2,2,
 ,9,9,8)
  ,7,4,9,8,4,7,8,9,9,9,8,8,9,7,9,8,4,7,9,9,9,9,8,9,8,9,4,8,9,5,9,9,7,9,4,3,8,5,5,5,4,5,1,6,5,4,5,5,5,4,4,4,5,3,4,1,3,3,
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  ,9,8,9)
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  ,6,8,9)
> z3 <
 5,3,3,4,4,6,4,7,6,9,9,9,7,9,9,9,9,9,9,9,7,5,6,9,3,4,4,9,4,5,4,5,6,2,6,1,1,5,2,5,2,4,3,5,7,9,8,7,8,7,9,9,4,9,1,4,6,1,4,4
  ,5,7,5)
> z4 <-
```

c(8,3,2,5,5,3,5,5,8,4,9,5,5,6,3,9,4,3,8,1,8,5,6,5,5,8,4,4,7,1,8,3,8,9,7,4,3,3,4,1,7,3,7,8,8,5,3,1,3,6,5,4,3,5,1,3,3,8,4,5,6,1,4,4,8,4,7,8,5,5,6,4,4,5,5,8,8,6,7,7,9,7,8,9,8,9,8,9,8,9,9,9,9,8,9,9,8,7,9,9,8,6,9,9,6,6,8,8,7,6,9,8,5,5,9,

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7,5,8,7,8,7,9,7,6,9,5,8,8,7,7,8,9,5,7,9,9,9,8,7,7,5,8,8,9,9,9,9,8,8,6,9,5,9,8,9,7,5,9,6,5,8,9,6,9,9,9,9,7,8,9,8,4,8,9,5
8,9,8,5,8,9,5,9,9,5,8,7,9,6,5,7,7,6,4,9,9,7,7,8,8,3,8,9,7,3,5,6,7,8,8,9,9,8,9,9,4,7,7,9,9,9,4,4,1,3,4,5,5,5,6,7,4,4,9,9,5,7,6,8,5,7,5,7,4,4,5,3,8,7,4,4,4,3,4,7,4,4,3,7,4,8,5,3,4,5,7,3,5,6,4,4,3,3,4,4,1,3,1,1,1,4,3,1,3,1,3,1,3,2,2,4,3,5
,5,5,7)
> 25 <-
,4,9,9)
> 76 <
,7,8,9)
9,8,7,9,8,5,5,8,9,5,1,4,7,3,5,7,9,6,8,6,4,9,3,4,5,1,5,9,7,7,9,9,8,7,7,9,7,8,7,8,6,3,7,1,1,1,4,1,2,3,1,9,6,6,9,3,8,4,5,9,9,6,8,7,7,4,7,9,6,6,8,9,6,6,6,4,4,9,4,4,6,9,4,5,7,7,8,8,9,8,7,6,6,9,8,5,6,9,4,5,9,6,4,5,9,6,4,8,6,8,7,7,9,8,6,9,9,6,8
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,5,5,6)
> 78 <-
1,1,1,3,2,1,5,5,4,7,8,8,7,8,7,8,5,9,8,9,9,9,8,5,7,9,4,1,5,6,3,4,8,2,4,8,4,5,5,7,5,4,4,7,4,3,4,5,3,5,4,4,3,4,3,3,4,4,7,5
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,9,4,5)
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6, 7, 8, 7, 5, 3, 4, 4, 3, 3, 3, 3, 3, 5, 7, 8, 6, 9, 4, 9, 7, 5, 3, 7, 5, 8, 7, 8, 6, 7, 7, 3, 6, 7, 5, 3, 4, 8, 3, 5, 6, 8, 5, 8, 5, 4, 9, 3, 3, 5, 3, 5, 8, 8, 7, 8, 8, 8, 7, 6
,9,5,8,8,9,9,4,9,1,3,1,5,3,3,4,2,9,6,7,9,4,9,3,4,9,9,5,8,7,6,4,6,8,5,4,7,8,6,5,6,2,2,9,5,4,6,9,4,5,7,5,5,8,8,7,6,6,6,9,
7,5,7,8,5,5,9,5,4,5,9,6,3,6,6,5,5,9,9,8,7,9,9,5,9,8,8,9,9,5,4,7,1,1,1,4,4,2,4,5,5,7,9,9,8,9,7,8,5,9,7,9,9,9,8,4,6,9,3,1
> z10 <-
6,6,8,3,7,4,4,5,6,3,9,1,3,2,4,1,2,4,2,4,6,3,6,1,7,3,9,9,8,8,5,4,5,3,6,2,5,4,2,6,5,2,2,3,3,1,1,4,8,3,8,8,4,9,9,8,9,8,9
,8,9,7,6,7,9,5,7,8,8,8,6,6,6,8,8,5,5,9,5,7,4,5,5,4,9,7,4,7,5,6,5,8,4,5,9,7,4,5,9,5,3,6,7,7,6,9,8,8,7,8,8,9,9,9,7,7,8,7,
7,8,9,1,7,9,6,7,2,3,5,3,1,3,4,1,3,9,2,1,1,1,5,1,9,1,4,3,4,2,7,5,7,8,6,9,9,7,9,8,7,9,8,7,9,5,5,7,9,5,7,9,6,8,9,8,7,9,9
,4,6,4,6,1,3,3,4,5,8,5,3,6,2,7,5,4,3,8,6,8,8,5,9,7,7)
> CS <- c(z0,z1,z2,z3,z4,z5,z6,z7,z8,z9,z10,z11)
1.19,2.381,3.614,1.087,0,1.053,19,0,2,0,38.542,0,0,2.222,0,15.73,2.941,0,1.111,0,0.935,0,2.857,0.935,1.802,0,0,0,9.009,
,0,0,0,0,0,0,2.055,3.472,0.69,1.361,0,3.472,0,0,6.452,1.399,2.098,1.389,2.098,4.167,1.02,4.828,1.418,1.55,0,8.772,0,1
 1.333, \(\delta\), 
0,0,0,0,0,0,0,0,0,0,0,0,0.667,0)
> a1 <-
.333,0,0,0,0,0,0,0,0,2.667,0,0,0,0,64,0,35.57,18.367,1.389,0.694,63.889,0.694,0.694,1.379,2.069,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0
4.11,0,12.5,0,58,904,1.379,42.361,1.389,0.752,0,0.694,0,4.795,2.721,0.68,7.534,14.384,46.853,8.333,3.448,0.69,1.37,0,2.
041,0.68,23.129,1.361,0,4.828,0.69,0,11.034,0.699,0,0.69,0,0,25.352,74.126,2.797,0,0.694,7.639,2.797,0.699,0.709,0,67.3
2.148,0,0.671,0.671,0,6.122,0,0.671,0,0,69.799,4.698,28.859,0,73.154,0.671,0,0,0,0,94.595,0,3.378,0.676,64.865,4.73,0.6
76,0,0,96.644,0,0,0,1.342,4.027,0,0,4.698,0,15.436,2.685,0,2.013,0.676,14.189,77.027,0,9.459,0,0.676,0,33.108,0,0,0.676
,0,33.108,3.378,2.041,0,0.68,0,0,1.361,0,0,0,1.351,0,0,0)
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53,0,0,0,0.676,3.378,0.676,0,0,1.351,0,2.027,0,0,0.671,2.013,0,0,0,0,0.667)
> 03 <
2.74,0,11.644,0,62.329,2.041,49.655,1.379,1.471,0,2.083,0,6.25,2.041,0.685,5.556,15.172,54.795,8.276,2.759,0.694,1.389,0,704,24.648,0,0.719,7.194,0,0,6.25,0,0,0,0,0.704,18.182,74.306,5.594,0,1.389,9.79,3.497,0.694,1.379,0,60.811,0
  ,0,0,0,82,0,0,0,0,0,0,12.667,0,0.671,6.711,0,0.671,0,0.671,0.671)
c(0,11.034,0,0,1.379,0,0,1.342,0,38.926,0,0,0,10.811,15.541,0,0.671,0,2.685,0,0.671,0,1.342,67.785,6.711,33.557,0,10.671,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1.342,0,1
4.082, 0, 1.031, 13.542, 4.211, 0, 1.136, 2.273, 1.136, 1.163, 1.163, 0, 2.105, 0, 2.105, 15, 0, 0, 0, 44.33, 0, 1.075, 5.376, 0, 12.903, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.923, 1.
0, 1.099, 0, 0, 0, 0, 0, 0, 3.226, 0, 3.509, 4.348, 1.653, 0, 1.613, 4.762, 0, 12.389, 0.862, 2.308, 1.504, 0.725, 0, 0, 0, 0, 0)\\
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  \mathsf{c}(0.82, \emptyset, 1.6, 23.016, \emptyset, 0, 6.25, \emptyset, 1.515, \emptyset, 62.308, 0.763, 3.053, \emptyset, 0, 2.941, 4.348, 1.46, \emptyset, 0, 0.667, \emptyset, 0, 0, 0, 0, 10.667, \emptyset, 16, 7.333, \emptyset, 1.666, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 
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4.667,18,2,0,4,0,0.667,0,0,5.333,1.333,4.667,2.013,0,4.667,0.667,0.667,0,0,0)
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18.182,22.131,6.612,0.826,17.647,5.172,8.108,13.725,1.099,13.761,24.299,3.54,0.893,11.712,1.852,2.97,4.04,11.579,2.439,
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 > a11 <-
 > T <- c(a0,a1,a2,a3,a4,a5,a6,a7,a8,a9,a10,a11)
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 c(\emptyset,62,\emptyset,0,4.667,31.333,\emptyset,0,0,0,0,0,0,0,40.268,\emptyset,0,0,0,6.711,0,4.027,12.081,4.027,0,0.671,29.53,0,0.671,37.333,0,2,0.667,120.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0.081,0
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 ,9.396,0,14.765,0,0,0)
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> h6 <
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4.218,0,78.231,0,0,0,0,0,4.762,0,0,0,0.694,0,0,0,13.287,0,0)
  ,63.38,9.155,0,0,0.704,51.408,0,0.709,0,0,0,0,0,0,0.704,0.709,2.128,87.234,0,0,0,0,3.846,0,3.604,0,0,2.655,0,0,0,0,0.855,
  3.448, 2.586, 0, 2.564, 17.797, 0, 3.226, 31.2, 0, 0, 0, 1.587, 30.4, 18.254, 15.625, 0, 13.281, 36.09, 0.719, 0.699, 36.913, 0.671, 0, 6.711, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.671, 0.67
 ,0,0,0,0,0,58,0.667,28.667,0,66.667,3.333,0,0,2.667,0.667,0.667,0,21.333,11.333,0,0.667,28.667,19.333,0,30.667,0,1.333,0,0.667,0,1.333,0,0.667,0,1.333,0,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0,1.333,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0
0,0,0,8.667,1.333,2.667,0,0,3.333,20,0,2.027,3.378,0,1.449,2.439,6.993,16.892,0.676,19.333,0,11.409,0,0,14.667,0,0.66
  7,12.667,10.667,5.333,0,0,0,0.667,0,8,4.667,4,0,10.204,9.79,0.704,2.837,16.312,2.143,0,13.669,1.449,0,0.725,0,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.833,0.
  33,39.831,0.847,0.806,4.11,0,8.13,2.439,0,0,0,17.742,0.87,0,5.691,0.962,0,5.172,0.862,2.586,1.724,1.724,0,0.885,1.754,3.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0.1724,0
    .846, 5.769, 7.921, 0, 7.692, 1.724, 2.151, 0, 0, 0, 10, 11.364, 0, 0, 0, 0, 0, 0, 1.266, 0, 2.703, 0, 0, 0, 0, 0, 0, 0, 0, 19.048, 0, 0, 0, 3.774, 0, 0
   .0.909.5.882.0.847.0.1.709.0.855.0.0.847.0.0.813.0.826.2.459)
  2.667, 0, 0.667, 0, 0, 32.215, 2.113, 3.676, 1.46, 0.855, 1.562, 6.522, 3.356, 3.333, 7.333, 0, 26, 0, 0, 0, 0, 0.667, 1.333, 0, 0, 0, 0, 0, 54.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667
 , 2.66\overset{?}{1}, 30, 9, 6\overset{?}{1}. 33\overset{?}{3}, 4.66\overset{?}{1}, 0, 9, 2\overset{?}{1}, 0, 2\overset{?}{4}.66\overset{?}{1}, 10.73\overset{?}{8}, 9, 0.66\overset{?}{6}, 34\overset{?}{1}, 20.66\overset{?}{1}, 9, 32\overset{?}{1}.66\overset{?}{1}, 0.33\overset{?}{3}, 9, 0, 1.33\overset{?}{3}, 9, 0, 5\overset{?}{1}.04\overset{?}{1}, 0, 0, 0, 0.66\overset{?}{1}, 0.33\overset{?}{1}, 9, 0.66\overset{?}{1}, 0.33\overset{?}{1}, 9, 0.66\overset{?}{1}, 0.33\overset{?}{1}, 9, 0.66\overset{?}{1}, 0.33\overset{?}{1}, 9, 0.66\overset{?}{1}, 0.33\overset{?}{1}, 0.60\overset{?}{1}, 0.60\overset{?}{1
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2.419, 0, 2.308, 28.462, 0.763, 2.256, 26.119, 0, 0, 0, 0, 26.812, 16.312, 15.603, 0, 17.73, 31.915, 0.704, 0.68, 36.913, 0.671, 0, 6.711, 65.202, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 
101,83.221,0,0,0,3.356,29.53,0,0,0,9,32.886,1.449,2.92,2.256,3.333,0,13.571,1.342,3.356,7.333,0,31.333,0,0,0,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.671,0.6
 1,0.671,1.342,0,0,0,0,65.333,1.333,26.667,0,55.333,9.333,0,0.667,0,1.333,0,23.333,9.396,0,0,30,14.667,0,27.333,0)
  c(\emptyset,\emptyset,\emptyset,0.667,\emptyset.567,\emptyset.57.333,0.667,\emptyset,0,0,\emptyset,10,90,3.333,2.667,\emptyset,8,13.423,17.45,0,4.027,11.409,0,2.667,0.667,3.333,0,1.33,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.667,0.66
 3,81.333,0.667,0,0.667,11.333,0,2.667,0,0,0,3.333,18,0,3.401,2.027,4,0,0.962,17.647,3.333,16.667,1.333,9.459,0.667,0,15
   .333, 0, 0.667, 14, 10.667, 5.333, 0, 0, 0, 0, 0, 10, 2, 8, 0, 14.094, 10.884, 0.685, 3.448, 20.69, 1.379, 0, 13.793, 1.399, 0, 0.704, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787, 0, 0.787,
  71.333,0,0,0,4.667,37.333,0,0,0,0,34,0,2,3.333,2,0.758,19.463,6.04,4.027,2,0,34,0,0,0,0,0,6,0,0,0,0,63.333,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.33,0.667,31.30,0.667,31.30,0.667,31.30,0.667,31.30,0.667,31.30,0.667,31.30,0.667,31.30,0.667,31.30,0.667,31.30,0.667,31.30,0.667
  33,0,51.333,4,0,0,1.333,0.667,0,22.667,8.667,0,0.671,26,14.667,0,37.333,0,0.667,0,0,2.667,0.667,0,54.667,0.667,1.333,0,
 ,2,0,0,0,1.333,32,0.667,0,2.027,2.098,0,17.007,2.027,12,2,2.667,0.667,0,0,0,0,7.333,10,6.667,0,0,0,0,0,12,2.667,6.667,0
  ,15.068,12.414,2.778,7.483,14.286)
 > b10 <-
 c(2.759, 0.694, 9.091, 1.439, 0, 0, 0.833, 1.22, 1.887, 28.261, 0, 48.485, 6.452, 3.333, 0, 0, 0, 3.333, 0, 0, 0, 0, 66.667, 56, 0, 0, 4, 0, 0, 0, 12, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.263, 0.2
   .143,71.053,0,0,4.878,60.465,4.348,6.383,0,0,0,1.429,24.771,11.966,0,8.333,0,0.833,0,2.479,14.876,0,54.032,11.111,0,0,2
  8.082, 0, 0, 6.122, 0, 2.041, 0, 0, 0, 0.68, 1.361, 0, 0, 2.041, 0, 3.401, 3.401, 8.844, 24.49, 2.041, 73.469, 2.041, 0, 2.041, 1.37, 6.522, 4.54
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  7,2.013,5.333,0.68,0.69,6.383,13.103,2.685,8,16,8,0,24.667,0.667,0.667,1.333,0,0.667,0,4,0,0.667,0,95.333,0,32.667,0,88
   ,4.667,14,0,1.333,0,0,1.333,5.333,0.667,0.667,43.624,40.94,0,24.832,0.671,0,0,0,24.161,0,0,0,0,0,0.671,4.027,1.342,4.02
   7,22.148,0.671,1.342,38.926,68.456,0,28.188,37.584,1.333,6.667,2,0,0,0.667,82.667,0,0,0,4,0,0,6.667,0,4.667,0.667,0,67.
  333,0.667,10,2.667,0.667,0.1.333,2,2.381,32.432,25.342,0.758,0.775,5.224,0.68,19.333,0,0.667,8.276,3.906,2.4,22.388,9.3
  96,0,2,16.667,19.333,1.333,19.333,0.667,19.333,4,0,0,0,0,21.477,0,91.156,49.324,0,0,0,5.517,0,6.993,25,10.417,0,13.194,
 0.694,0,4.167,0,0,64.583,0,0,0,0,1.399,1.46)
> b11 <-
 0,0,3.226,0)
> V <- c(b0,b1,b2,b3,b4,b5,b6,b7,b8,b9,b10,b11)
0,0,0.667,0,2,0,0)
```

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0, 6.667, 0, 0, 3.356, 8.667, 0, 20.805, 0.671, 0.671, 1.342, 0, 2.013, 0, 0, 1.361, 0, 0, 0, 51.007, 0.671, 0, 4.027, 0, 0, 4.027, 0, 0, 0, 0, 1.351
 30.405,56.757,0,0.676,6.081,0,0.676,0,0,27.027,0,0.671,0.671,66.443,0,0,0,2.685,50.336,0,0.676,0,0,2.027,0,0.676,0,0,2.703,0,0,3.378,14.189,0,4.054,0,0,7.692,0,0,7.432,0,56.757,0,0,12.838)
0,98.639,37.415,0,0,0,0,0,0,0,0,0,0,0,4.795,0,0,4.795,0,0,0.685,0,0,0,0,0,0,0.68,0,27.211,0,1.361,0,0,0,0,0,0,0,0,0,1.
 361,0,2.027,0,16.892,0,0,0,0,0,0,0,0,0,81.879,0.671,0,0,0,0)
 , 0, 0, 0, 0, 0, 0, 6.04, 17.333, 3.333, 0, 1.333, 0, 0, 0, 19.728, 0, 0, 33.784, 11.486, 0, 0.676, 2.703, 0.676, 2.027, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4.054, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.544, 0.5
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> d9 <
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> d11 <-
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> I \leftarrow c(d0,d1,d2,d3,d4,d5,d6,d7,d8,d9,d10,d11)
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 7,4,83.333,0,0.667,55.333,3.333,8,30.872,0,0.667,33.333,1.333,0,30,0.667)
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1.333,0,36.986,20,0,42.857,6.122)
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33,6.061.0,19.355,0,0,0)
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67, 0, 0, 97.987, 0.671, 0, 0, 30, 0, 0.671, 0.671, 0, 98.658, 0, 0, 1.342, 1.342, 99.329, 0, 0, 0, 3.401, 99.324, 0, 0, 0, 0, 0, 0, 0, 0, 0.671, 59.06
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21.678,0,4.93,0,0,0.709,23.239,0.704,0,0,0,2.143,0,56.028,0.73,0,0.725,66.667,0.719,0,0,5.674,0,6.383,0,0.709,7.092,14.
286,1.429,2.143,2.143,0,0,79.137,0,2.878,0,81.56,1.351,3.333,0,0,0,0,0,0,99.333,0,0,0,0,0,0,0,4.667,0,1.333,0,0,0,0,0,0,0
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c(0,0.704,0.0,7.692,0.0,0.2.098,0.0,2.098,0.99.301,0.0.56.338,0.0.1.408,0.0.0,0.0.1.408,28.873,0.12.676,0.0.0.0,0.0.0
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4.255,0,0.68,2.013,95.973,0,0,0,0,95.302,0,0,0,2.013,0,0,0,671,1.342,0,0.73,0.752,0,0,0,0,0,12,0,0,667,71.141,0,0,0,0,1.342,0,0,0,16.667,0,0,11.333,0,0,2.667,1.333,0,92.667,8,0,0,1.333,19.463,89.333,16,1.333,0,0,5.333,2)
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 > f10 <-
  677,0,0,4.274,0,0,0,0,0,94.215,0,0,0,0.794,0,4.348,13.014,76.712,0,0,85.714,0,99.32,0,0,0,0,0,24.49,0,0,0,14.966,0.68,1
  7.007, 1.361, 0.68, 6.122, 0, 0, 0.685, 0.725, 0, 0, 0, 2.041, 0.694, 0, 0.68, 0.68, 2.041, 0, 91.892, 0, 0.68, 0.68, 96.599, 0, 1.333, 0.671, 0, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.
 0.671, 1.342, 57.718, 0, 0, 2, 0.671, 0, 0, 0, 0, 0.69, 0, 0, 8, 36.667, 2, 0.667, 0, 0, 38, 0, 0.667, 0, 0, 0, 96.667, 80.667, 0, 2, 9.333, 0, 0, 57.33
 .383, 0, 59.06, 0, 1.342, 0, 0, 2.685, 68.667, 0, 88, 9.333, 0, 2, 0, 0, 0.667, 4, 0.667, 0, 0, 0.667, 0, 0, 0, 0.667, 0, 2.667, 0, 0, 0, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.
  0,0.671,0,0,0,89.116,0.69,82.759,0.69,0,20.979,7.639,0.694,0,1.389,0.694,0,1.389,97.222,0,40.278,0,0,0,26.277
  , 0, 0, 0, 0, 17.073, 2.439, 0, 0, 10, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 11.111, 0, 0, 0, 0, 0, 23.529, 0, 0, 0, 0, 0, 0, 4.167, 0, 0, 0, 0, 0, 3.75, 0, 0, 0, 0)
  > F <- c(f0,f1,f2,f3,f4,f5,f6,f7,f8,f9,f10,f11)
  c(\bar{\emptyset},0,0,0,75,\emptyset,0,0,0,0,0,0,8.333,\emptyset,0,0,0,0,0,0,0,1.053,0,0,2.083,0,0,0,0,0,0,1.19,0,0,0,0,0,0,0,1,0,96.04,0,0,0,96.629,
 0, 0, 15.238, 1.111, 0, 0, 0, 0, 12.15, 0, 0.935, 55.67, 4.167, 5.405, 4.237, 0, 0, 0, 57.895, 51.145, 20.879, 0, 13.043, 2.143, 14.085, 9.559, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.120, 0.1
  0,0,0.694,0,0,0.69,1.379,0.694,0.694,0.694,0.696,0,0,0.685,0,0,0,0,0.1.389,25.564,0,0,6.207,2.055,0.68,0.68,0.685,0,0.699,0,0,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.694,0.69
  8.966, 0.685, 0, 8.844, 0, 0, 0.68, 0.69, 9.655, 0, 0.694, 0, 30.769, 0, 34.483, 0, 0, 0, 0, 6.294, 0, 0, 0.694, 0, 0, 0.699, 0, 0, 0, 0.694, 0, 96,
 .667, \emptyset, \emptyset, \emptyset, \emptyset, \emptyset, \emptyset, \emptyset, 0.667, \emptyset.667, \emptyset.667, 0.667, 0.3.333, 58, 2.667, 1.333, \emptyset.667, \emptyset, \emptyset, 2.685, \emptyset, 0, 2.00, 0.665, \emptyset.671, 1.333, \emptyset.671, 0, \emptyset, \emptyset, 0.671
  ,0,0,0,0,0,0.676,0,0,0.676,2.703,0.676,0,0,1.351,0,0,2.027,0,0,2.027,0,0,0,0,52.381,0,0,68.919,0,0,99.324,0,0)
 .68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,87.333,0,0,0)
 .671, \emptyset, 0, \emptyset, 0, 0, 0, 0, 0, 22, \emptyset, 89. \\ \dot{3}3\dot{3}, \dot{2}7. \\ \dot{3}3\dot{3}, \dot{0}, \dot{
  667,0,0,2.685,57.718,2.013,1.342,0,0)
  c(0.69, 4.138, 0.0.69, 5.517, 0.0, 2.685, 0.671, 0.671, 0.676, 0.0, 0.0.676, 0.0, 0.0.671, 74.497, 0.0, 0.671, 0.0, 0.671, 0.0, 23.649, 1
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0.0.0.0.1.418.0)

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21.333.0.0)
, 1.342, 1.342, 0.0, 0, 0, 0, 0, 0, 0, 0, 0, 0.667, 0.667, 0.667, 0.3.356, 56.376, 2.013, 0.671, 0, 0, 0, 1.351, 0, 0, 3.378, 0, 0, 2.013, 0.671, 0.671, 0.671, 0.0, 0, 0, 0, 0, 0, 0, 0.671, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 0.676, 0, 
,41.497,0,2.041,0,0,0,0,0,0,0,0,0,0,0,0.676,6.081,0,0,0,1.351,0,0,0,0,2.027,0.676,0,0,55.172,0,0,77.703,0,0,100,0,0,0,0
0,0,1.37,0,0,0,0,0,0,96.721,0,0,0,0,95.652,0,0,0,0.84,79.661,0,0,0,0,0,0,0,0,0,0)
4,0,0,0.806,64.516,0,0,0,0,0,4.255,0,0,0,0,87.719,0,0,75.49,0,9.677,0,2.151,0,0,0,90.196,0,0,0,0,3.125,0,0,0,2.198,1.0
,0,0,0,0,0,0,0,0,0,6.667,0,0,0,14,60)
97.0.0.68.20.408)
> g10 <
\mathsf{c}(\overset{\circ}{0},0.694,24.476,1.439,0.49.6,0,0,0,0,0,0,0,66.667,0,0,20.69,0,0,0,0,0,0,0,3.846,0,4,8,0,4,0,0,0,0,0,6.667,0,0,0,5,
(69,0,0,1.361,0,2.703,2.027,98.639,0,1.361,0,0.667,6.711,1.351,3.356,16.107,24.832,1.351,0.676,0,1.342,0,0,0,0.709,2.06)
9,0,0.667,8,22,0,1.333,0.667,0,36.667,0,0,0,0,1.333,19.333,0,0,0,0,0,0,0,9,5.333,0,0,0,0,0,0,0,0,0,0.671,59.06,2
,4.667,4,0,0.667,0,0.667,0,0.676,0.685,2.273,0,0,0,1.333,0,0,0,0,0,2.239,0,0,3.333,0.667,0,2.667,6,0,0.667,2.667,0,0,0,0,
0,0,0,0,0,0,0,10.345,0,0.694,0,0,0,0,0,0,0.694,0,0,0.694,0,56.25,0,0,0,0,0.73)
0,6.25,0,0,0,3.846)
> Y < c(g0,g1,g2,g3,g4,g5,g6,g7,g8,g9,g10,g11)
> cor.test(A, T,alternative = "two.sided", method = "spearman", exact=FALSE )
   Spearman's rank correlation rho
data: A and T
S = 3858367794, p-value < 2.2e-16
alternative hypothesis: true rho is not equal to 0
sample estimates:
    rho
0.4031312
> cor.test(A, V.alternative = "two.sided", method = "spearman", exact=FALSE )
   Spearman's rank correlation rho
data: A and V
S = 4662788705, p-value < 2.2e-16
```

```
alternative hypothesis: true rho is not equal to {\tt 0}
sample estimates:
     rho
0.2786916
> cor.test(T, V,alternative = "two.sided", method = "spearman", exact=FALSE )
    Spearman's rank correlation rho
data: T and V
S = 4518732606, p-value < 2.2e-16
alternative hypothesis: true rho is not equal to 0
sample estimates:
     rho
0.3009763
> pcause(A, V, n999 = 999)
[1] 0.8978979
> pcause(A, T, n999 = 999)
[1] 0.6876877
> library(PResiduals)
> partial_Spearman(T | V~ CS)
                             stderr p lower CI upper CI
                     est
partial Spearman 0.1460161 0.01759052 2.783753e-16 0.1113754 0.1803023
Fisher Transform: TRUE
Confidence Interval: 95%
Number of Observations: 3385
> partial_Spearman(T | V~ A)
                             stderr
                                             p lower CI upper CI
partial Spearman 0.2964541 0.01629872 1.394196e-65 0.2641874 0.328058
Fisher Transform: TRUE
Confidence Interval: 95%
Number of Observations: 3385
> partial_Spearman(A | T ~ CS)
                     est
                             stderr
                                              p lower CI upper CI
partial Spearman 0.2857296 0.01700453 9.72925e-57 0.2520671 0.3187015
Fisher Transform: TRUE
Confidence Interval: 95%
Number of Observations: 3385
> partial_Spearman(A | V ~ CS)
                     est
                            stderr
                                               p lower CI upper CI
partial Spearman 0.1573736 0.01739008 5.612266e-19 0.1231152 0.1912574
Fisher Transform: TRUE
Confidence Interval: 95%
Number of Observations: 3385
> partial_Spearman(A | V \sim T)
                              stderr
                     est
                                               p lower CI upper CI
partial Spearman 0.2748021 0.01642433 9.303416e-57 0.2423133 0.3066753
Fisher Transform: TRUE
Confidence Interval: 95%
Number of Observations: 3385
> partial_Spearman(A | T~ V)
                                                p lower CI upper CI
                     est
                              stderr
partial Spearman 0.4035529 0.01549549 3.155074e-118 0.3727448 0.4334724
Fisher Transform: TRUE
Confidence Interval: 95%
Number of Observations: 3385
```