```
R version 4.3.1 (2023-06-16 ucrt) -- "Beagle Scouts" Copyright (C) 2023 The R Foundation for Statistical Computing Platform: x86\ 64-w64-mingw32/x64\ (64-bit)
```

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Type 'demo()' for some demos, 'help()' for on-line help, or 'help.start()' for an HTML browser interface to help. Type 'q()' to quit R.

```
> rm(list = ls())
3.333,36.364,16.667,0,6.667,0,6.25,0,0,9.524,13.636,19.231,3.704,3.03,0,0,1.923,4.918,6.579,0.943
,0.855,0,0.806,0.8,0,0,0,0,19.048,0,0,53.968,79.365,0,6.299,8.661,0,9.449,0.787,0,0,92.248,0,0,4.
724,0,0,0,0,0,70.866,0,5.512,0,0,0,0,0,0,82.677,3.15,0,0,25.984,35.433,3.15,74.016,15.748,34.64
6, 3.937, 0, 15.748, 0, 59.843, 8.661, 18.11, 55.906, 0, 37.008, 2.362, 63.78, 0, 0, 0, 7.087, 0, 18.898, 0, 0, 13.281
,0.781,4.724,7.087,0.787,19.685,2.344,0,56.25,21.094,0,0,13.636,0,10.526,0,0,12.121,21.97,6.061,2
.273,15.909,21.212,17.054,3.03,9.848,0,0.758,0,1.515,11.364,30.303,0,9.091,0,48.485,6.061,0,62.12
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2.542, 9.16, 1.504, 9.023, 3.759, 11.278, 6.767, 6.25, 12.069, 4.202, 7.563, 8, 5.405, 12, 7.273, 11.765, 8.861, 1
0.317, 9.231, 5.303, 10.294, 4.348, 8.633, 10, 1.418, 3.425, 0, 0, 2.685, 10.738, 0, 2.013, 3.356, 2.685, 0.671, 2.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685, 0.685,
685,92.667,0,25.333,0,10.714,2,0,0,31.333,0,0,28,0,6,13.333,2,6,0.667,87.248,10.738,69.128,1.342,
90.604,58.389,39.597,1.342,0,14.094,23.49,8.054,2.013,29.53,0,43.333,6.667,0,0,0.667,0,0,2,0,0,1.
333,1.333,0.671,1.342,11.409,0,21.477,8.725,0,0,18.792,13.333,80.667,28,2.667,90.667,76.667,2.667
,0,0,22,4,98.667,0,0,0,12.667,1.333,0,8.725,19.463,1.342,3.356,55.705,0.667,0,0,13.514,0.676)
> x1 <- c(3.378,93.243,25.503,0.671,4.054,0.671,0,0.671,6.04,0,0,0,4.027,0,1.342,5.369,0.667,0,54</p>
,0,10.667,0,22,0,0,70,21.333,1.333,51.333,0.667,0,0,0,0,1.333,0,0,0,2,14,2.703,0,0,31.544,10.067,
22.148,0,26.846,26.846,0,2,19.333,0,0,16,31.333,0,0,6,0,0,0,0,77.333,0,0,20.667,0,5.333,4,14.66
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33,6.604,3.175,0.781,0,2.74,39.041,26.027,10.959,44.521,10.959,17.808,4.11,17.808,12.329,6.897,0.
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1.528,0,0.699,0.694,1.399,0,0,4.895,1.399,56.643,60.839,13.287,36.364,1.399,25.694,20.139,0.69,10
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1.19,0,5.97,0,0,12.121,0,31.818)
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0,3.846,4.11,8.14,1.02,0,0,0.877,0,0,0,0,0,23.684,0,0,51.304,75.862,0.855,2.564,6.034,0,6.034,0,0
,0,93.103,0,0,4.31,1.724,0,0,0,0,75.424,0,3.39,0,0,0,0,0,0,0,81.452,5.785,0,0,32.5,35.833,1.667,7
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02,0,52.713,8.527,0,65.116,3.101,0.775,0,9.231,0.775,0.775,2.308,88.462,1.538,0,0,0.781,0,0.8,0,0
.8,0.775,0,1.55,2.479,5.512,0.758,5.344,2.29,8.8,3.252,8.475,10.619,3.636,8,8.75,13.846,0,5.085,1
.724,12.037,6.557,3.077,4.878,4,2.941,12.319,2.174,2.837,0.68,0,0.68,6.122,0.68,0.685,6.081,2.759
,1.379,3.425,91.892,0,20.27,0,15.385,0,0.676,0,29.333,0.667,0.667,26.846,0,6,18.121,1.342,4.667,0
,85.333,9.333,60.667,1.333,90.667,56.667,46.667,0,0,14.765,30.872,6.667,0,28,0,45.333,3.333,0,0,2
.667,0,0,2.667,0,0,0.667,0.667,0,4,7.333,0,25.333,5.333,0,0,11.409,8.725,81.879,25.503,2.013,91.2
75,86.577,5.369,0)
> x3 < -c(0,20.946,6.04,97.315,0,0,0,11.333,1.333,0,12,21.333,0,4,49.333,1.333,0,0,12.752,1.342,6
.711,87.838,27.517,0,4.027,1.342,0.667,0,8.054,0,0,1.342,2.013,0,4.027,5.369,0.671,0,52.667,0,10,
0, 20, 0, 1.333, 76.667, 15.333, 0, 54.667, 0, 0, 0.667, 0, 0, 0.667, 0, 0, 0, 2, 10, 1.333, 0, 0, 27.517, 14.094, 26.174
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9.524,0,10.884,24.49,2.721,85.034,19.863,0,0.685,0,0,0,0,7.534,0.685,52.74,62.329,11.644,24.658,0
.685, 16.438, 25.342, 0, 11.644, 8.219, 1.37, 4.795, 0, 0, 5.517, 0, 0, 6.897, 0, 1.389, 18.75, 4.861, 2.083, 0, 6.29, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 1.389, 
4,0.699,6.294,0,27.778,0,0.694,1.389,5.556,4.861,25.175,7.692,2.797,1.399,17.483,4.196,2.797,11.9
72,7.042,19.149,0,0,25.352,25.532,37.857,29.078,3.546,6.429,34.532,16.912,6.618,2.206,44.853,9.55
9,1.471,0.735,0.735,1.471,47.407,1.493,9.701,0.746,0,3.846,2.273,0.752,0,3.03,0,0,5.303,2.273,43.
939,0,2.256,24.06,30.827,5.224,42.537,9.701,0,18.797,31.061,9.16,6.87,1.538,25.385,3.077,3.077,20
.472,0.787,1.587,38.71,19.835,4.274,8.547)
> x4 <- c(0.862,0.87,0,40.909,9.259,0,0,40.196,5.208,10.87,33.708,20.482,1.299,0,2.899,3.922,2.32</p>
6,25,4.762,27.778,6.667,0,0,0,0,0,0,0,0,20,0,75,0,0,0,80,33.333,0,0,0,0,0,0,100,0,0,0,0,66.667,0,
0,0,0,0,12.5,0,10,9.091,18.182,0,21.429,0,4.348,7.692,0,21.212,2.5,2.273,4.082,7.547,3.39,8.333,4
.301,0.935,0.885,0,1.77,0,0,0,0,23.009,0,0,52.212,76.106,0,3.54,7.965,0,4.386,4.348,0,0,95.652,0,
0,7.018,0,0,0,0,0,75.862,0,3.448,0,0.847,0,0.84,0,0,0,85.124,6.667,0,0,30,40,6.612,71.311,18.852,
22.131,4.918,0,14.754,0,57.377,9.836,18.852,55.738,0,41.803,3.279,62.295,0.82,0,0.82,5.738,0.82,9
,19.355,7.258,0.806,21.774,16.935,20.833,4.839,8.871,0,0.806,0,2.419,13.71,26.613,0,8.871,0,58.06
5,12.903,0,72.581,3.226,0.8,0,7.087,0,0,0.775,86.822,0.775,0.775,3.2,3.101,0.775,2.326,0,0,0,0.79
4,0,0.787,10,0.775,10.078,2.326,9.302,9.302,1,5.882,1.961,8.197,10.638,4.688,7.407,12.593,11.029,
5.594,10.274,2.041,1.351,0.671,0,3.356,5.333,1.333,2.013,2.667,2.013,0.671,6.04,95.302,0,22,0,6.0
61,0.667,0.667,0,32.667,0,0.667,35.333,0,6.667,10.667,0.667,3.333,0,88,12,68,2.667,90,55.333,44.6
67,0,0.667)
> x5 <- c(15.333,28.667,8.667,0,28,0,36.667,5.333,0,0,2,0,0,2.667,0,0.667,0.671,2.027,0,1.351,6.0</p>
4,0,17.45,8.725,0,0,18.919,10.811,83.784,24.324,1.351,92.568,77.703,2.685,0,0,28,8,97.333,0,0,0,1
6.667,1.333,0,14,22.667,0,6.04,55.705,0.671,0,0.671,16.107,2.013,4.027,91.275,27.333,0.667,6.667,
0.667, 0.667, 0.10.067, 0, 0.0.671, 4.027, 0, 0.671, 8.054, 0, 0, 55.705, 0, 9.333, 0, 18.667, 0, 0, 71.141, 18.121, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.667, 0.
0,50.336,0,0,0,0,0,2.027,0,0,0,1.361,12.245,2.041,0,0,37.584,11.409,27.517,0,27.517,30.201,0,0.67
1,20.805,0,0,17.333,26,0,0,6.667,0,0,0,0,0,80,0,0,13.333,0,0.667,3.333,21.333,0,14.667,0.667,0.66
7,0,0.667,3.333,0.667,1.333,0,0,0,0.671,0,95.973,4.027,0.671,6.711,2.013,0.671,0,0,0,32.215,3.356
,17.568,43.243,0.676,25.676,0,0,55.705,0,0,4,62,0.667,0,33.333,0.667,71.812,37.584,20.134,91.275,
0,67.114,0,0,4.027,0,0,11.333,23.333,0,0.667,24,3.333,0,0.671,34.228,17.45,0,11.486,3.401,0.68,2.
174,22.297,42.149,3.008,0,2.027,0.676,4.054,42.568,27.027,14.865,52.703,8.108,17.45,2.013,16.892,
13.514,11.486,0,57.432,42.568,0.676,74.324,14.189,18.919,7.432,1.361,0,0,0,11.565,0.68,13.605,30.
612,2.041,87.755,26.531,0,1.361,0,0.68,0,4.762,0.68,55.782,60.544,12.245,25.85,0.68,24.658,20.5
48,0.685,8.276,10.345,0,7.586,0,0.69,6.207,0,0,11.034,1.389,0.694,14.685,8.392,4.895,0,5.634,0.70
4,3.521,0,35.417,0,0.694,0,5.556,4.895,23.776,10.49,3.497,2.098,14.685,2.098,1.399,16.901,9.155,1
8.182,0,1.389,22.759,24.306,36.806,40.972,5.556,9.722,31.25,16.783,6.294,0.704,48.936,9.22,3.546,
3.546,0,0.704,51.064)
> x6 < -c(0.709, 9.929, 1.418, 0, 2.128, 2.837, 2.143, 1.418, 4.965, 0.704, 0.704, 3.521, 6.294, 39.161, 0, 3.49
7,23.077,34.266,2.797,41.549,10,0.719,15.108,38.129,14.493,0.725,2.19,32.117,1.481,0,24.615,4.615
,3.077,36.923,23.622,4.132,4.959,0,0,0,44.444,10.435,0,0,44.444,12.5,11.111,29.167,14.13,0,0,4.61
5,0,0,21.739,0,14.286,0,0,0,0,0,66.667,0,0,20,0,63.636,0,0,14.286,75,0,0,5,4.545,3.226,20,96,0,
0,0,0,0,0,0,0,93.22,0,94.915,13.559,0,0,0,6.78,0,96.61,88.333,91.667,0,0,0,96.721,83.607,1.587,1.
562,1.538,1.449,0,0,5.714,0,0,1.515,95.455,0,0,13.636,3.03,1.515,1.515,0,0,1.587,23.438,1.587,11.
111,5.357,9.091,0,8.333,3.39,0,8.889,0,16.327,4.082,0,35.714,0,6,1.754,0,12.121,3.03,4.615,13.846
,12.121,0,30.508,1.562,1.562,0,3.125,3.175,1.587,1.613,14.035,8.929,0,0,6.25,0,1.818,0,7.547,14.8
94,17.021,4,1.961,7.547,8.621,5.263,3.448,0,5,7.937,14.286,6.154,2.667,1.351,1.351,4.348,5.714,8.
451,1.22,4.819,2.273,2.247,2.247,1.124,28.09,4.494,0,0,2.128,2.97,81.132,16.814,0,0.806,0.781,3.6
5,0,6.849,0,47.26,82.192,14.384,0,0,0,0,36.735,14.286,0,89.116,45.578,3.401,0,2.041,13.605,0,0,13
.605,74.15,0,0.68,0,2.041,0,0,0,15.541,1.351,22.973,12.838,8.784,0,27.027,6.04,3.356,18,9.333,47.
333,0.667,0,26,10.667,0.667,0.667,4.667,0,0,0,1.333,3.333,36,98.667,12.667,21.333,0,0.667,0,81.33
3,0,0,12,0,0,0,1.333,1.333,0.667,0,0,0,44.595,0,18.919,62.162,0,0,2.685,0.676,1.351,0,0,1.361,0,0
,0,0,0.667,26,0.667,5.333,0,86.667)
> x7 <- c(0,0,57.047,0,46.98,0,6.04,93.333,4.667,0,0,0,2,0,0,5.333,39.333,0.667,0,10,4,0,0,1.333,</p>
3.333,0,2,84,8.667,88.667,0,13.333,61.333,0.667,80,42,3.356,3.356,20.805,70.667,20.667,82,24.667,
2,64,0.671,4.762,3.401,3.571,3.478,0,1.351,2.685,2.703,4.73,1.342,0,0,0,45.27,21.477,0,96.644,59.
184, 4.054, 0.671, 0, 2.013, 0, 57.718, 8.725, 0.671, 1.342, 0.671, 0, 48.322, 0.671, 6.711, 0, 0.667, 8.667, 0, 27.
333,0.667,0.667,89.333,0.667,0,0,70,0,24,0,10,10,0,0,8,0,0,0.667,0,1.333,2.667,50.667,0,15.436,0,
4.082, 82.313, 0, 0, 0.676, 3.378, 0, 0.676, 68.243, 19.595, 0, 2.721, 0, 48.299, 0, 0, 2.721, 75.51, 2.721, 1.37, 0.
685,2.703,0,0,0,70.548,1.37,0,35.135,28.378,0,40.136,12.925,23.81,4.082,0,16.216,0,45.27,35.135,1
4.865, 2.703, 0, 30.405, 0, 1.351, 0, 6.849, 3.425, 0.685, 93.151, 5.479, 13.699, 0.685, 13.793, 5.517, 3.448, 52.
74,0,13.014,0,2.74,0,27.211,1.361,0.685,0.69,0,36.301,28.082,0,17.808,54.795,0,1.37,94.521,0,0,34
.932,0,2.113,0,0.685,1.37,0,0,0.685,0,0,0,6.164,0,0,0.69,0,11.034,0,41.379,0,1.379,0,25.517,0,0,8
.276,20.833,0,0,1.399,27.273,1.399,0,3.497,12.587,0,0.699,7.692,0.699,76.224,18.182,9.091,11.888,
3.497,0,18.881,24.648,0.699,25.175,42.657,0,0,0,62.238,44.755,18.881,25.874,94.366,0,2.206,0.84,0
.909, 0.926, 0.943, 0.943, 1.905, 0, 9.278, 1.075, 43.023, 54.217, 0, 0, 0, 3.279, 0, 8.772, 0, 1.754, 3.704, 0, 0, 7.29, 0, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1.754, 1
692,0,0,0,2.564,35.714,2.632,0,10.256,0,59.524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,85,0,0,46.667,0,48.485
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> x8 < -c(35.897, 0.9.434, 76.667, 0.0, 1.471, 0.0, 1.449, 0.0, 88.406, 2.899, 92.754, 11.594, 1.471, 0.0, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79, 14.79
06,0,97.059,88.235,92.647,0,0,4.286,98.571,83.099,0,1.408,0,0,0,0,5.195,0,0,1.299,92.208,2.597,0,
21.333,0,1.333,0,0,4.054,5.479,16.438,6.849,8.333,2.778,5.556,5.172,9.434,2.564,8,37.736,1.961,2.
857,21.429,2.817,4.225,1.389,0,10.345,1.613,3.226,9.375,15.625,3.125,31.25,1.562,0,0,0,8.108,6.41
,9.091,8.974,5.128,1.282,6.579,1.351,2.941,0,33.333,0,12.963,1.852,7.692,1.493,6.25,3.077,6.349,7
.812, 4.688, 2.941, 0, 2.597, 10.588, 3.529, 4.651, 12.791, 4.545, 1.099, 3.158, 3.125, 20, 5.155, 1.942, 0, 4.505, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.099, 1.0
, 6.034, 75.214, 19.492, 0, 2.857, 0, 4.795, 0, 4.762, 0, 47.619, 85.714, 12.925, 0, 0, 0, 0, 31.973, 14.286, 0, 85.71
4,51.701,1.361,0,0.68,15.646,0,0,12.245,70.748,0,0.68,0,4.138,0,0,0.69,21.379,0.69,22.069,13.793,
5.442,0.68,28.767,10.274,2.74,17.808,8.904,42.466,0.685,0,28.188,13.423,0,0,6.711,0,0,0,2.013,4.0
27,36.242,95.973,14.765,24.161,0,0.671,0,79.195,0,0,15.436,0,0,0.671,2.685,1.342,0,0,0,0,41.216,0
,15.541,62.162,0,0,4.73,0,0,0.676,0,1.351,0,0,0,0,0,27.517,0,4.667,0,90,0.667,0,57.718,0.671,45.6
38,0,5.369,87.919,3.356,0,0,0,0,0,0,7.333,45.333,0,0,8.667,4,0,0,0.667,4,0,0,84,7.333,92.667,0,10
.667,62.667,0.667,79.333,38.667,2.685,4.698,20.805,71.233,19.31,76.552,23.611,0.694,64.583,0,4.28
6,1.429,0.935,2.113,1.408,1.389,1.389,2.685,3.356,1.342,0.671,2.013,0.676,51.333,20.805,0.671,97.
333,55.333,3.356,0,0.671,2.685,0,54.362,7.432,0.671,0.671,0.671,0.676,47.297,2.041,7.432,0.676,0,
8.725,0,28.188)
> x9 <- c(0.676,2.703,87.838,0.671,0,0,67.785,0,24.161,0,8.725,10.067,0,0.671,4.698,0,0,0,0,3.356
,1.342,50.667,0,20.946,0,0.68,80.405,0,0.671,0,6.04,0,0,62.416,22.819,0,0.676,2.027,45.638,2.703,
3.401, 0, 14.966, 0, 42.857, 40.136, 16.327, 6.122, 0, 23.81, 0.685, 0, 0, 3.425, 4.11, 1.37, 92.414, 6.207, 17.361
,1.389,19.014,2.817,2.817,47.887,0,14.685,0,2.759,0,26.712,4.11,0,0,0,38.889,30.556,0,18.056,50,0
,4.167,92.361,0,0,38.194,0,0.704,0.694,0,0,0,0,0,0,0,0,4.861,0.694,0,2.083,0,11.806,0,33.333,0,0.
694,0.69,32.414,0,0,7.639,16.667,0,0,0,24.823,0,0.709,4.965,14.184,0,0.709,3.546,0,76.596,14.894,
13.475,10.638,0.709,0,25.532,17.857,1.429,20.714,58.571,0,0,0.714,63.571,46.763,26.619,25.362,97.
08, 0, 1.471, 0, 1.02, 2.041, 0, 0, 0, 2.174, 10.87, 1.19, 32.911, 57.692, 7.143, 0, 0, 0, 0, 0, 6.557, 3.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.39, 0, 1.279, 3.279, 3.39, 0, 1.279, 3.279, 3.39, 0, 1.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3.279, 3
46.154,7.143,0,5.882,40,9.524,0,5.882,72.917,0,0,0,0,0,0,0,0,82.09,7.463,94.03,13.433,0,0,0,4.478
,0,97.015,83.582,97.059,0,0,4.348,98.551,63.768,0,0,0,0,0,4.348,0,0,1.429,77.143,2.857,0,19.118
,0,0,0,0,1.429,0,7.042,11.94,9.091,1.562,8.889,1.961,23.529,0,0,0,0,33.333,8.824,7.692,6.818,0,22
.807,0,8.696,0,2.564,0,21.429,1.724)
> x10 <- c(1.695, 4.615, 0, 1.724, 5.455, 3.333, 2.857, 4.286, 1.408, 11.268, 6.944, 2.198, 4.255, 5.319, 6.186</p>
,4.082,33.333,0,1.01,0.98,3.846,0.935,63.478,14.504,0,4.11,0,4,0.667,3.333,0,43.333,80,2,0,0,0,0,0
29.333,14.765,0,91.946,49.664,0,0,0.667,18,0,0,7.333,68.667,0.667,0,0,2.013,0,0,0,12.162,0.671,24
.161,14.765,4.027,0,39.597,4.054,0,10.135,0,44.295,0,0,19.333,10.738,0,0,6.667,0,0,0,0,1.333,42,9
7.333,6.667,20.667,0,0,0,82,0,0,18,0,0,0,0,0.667,0.667,0,0,0,49.664,0,8.725,58.389,0,0,0.667,0,0,
0,0,2,0,0,0,0,0,35.333,0,2,0,97.333,0,0,58.389,0,37.584,0,0.671,99.333,0.667,0,0,0,0,0,0,3.333,44
.667,0,0,4.667,0.667,0,0,0.667,4.667,0,0,82,6,97.333,0,16.667,64,0.667,84.667,34,3.333,0.667,22,7
6,26,78.667,28.667,5.333,64,0.667,0.671,3.356,1.695,5.455,18.421,0,7.407,1.333,0,1.333,0,5.369,2.
013,0.671,0,0.671,0,46.667,20.667,0,98.658,49.324,8.108,0,0,0.671,0.676,51.007,5.333,0,0,0.667,0,
56,0,2,0,0,4,0,36.667,0,0,90,0,0,0,62,0,20.667,0,2,5.333,0,0,6.667,0,0,0.667,0,2.667,1.333,44,0,2
2.667,0,0,90,0,0,0,3.333,0,0,60.667,26.667,0,0,0,54.667,0,0,3.356,78.523,1.342,2.013,3.356,0.671,
0,0,33.333,0,0,76.871,2.041,0,36.054,25.85,0,44.898,6.803,27.211,2.041,0,15.646,0,43.151,36.986,2
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7,0,3.356)
> x11 <- c(0,35.57,0,0,0.676,0,36.913,39.597,0,10.067,50.336,0,2.013,97.315,0,0,40.94,0,0,0,0,1.3</pre>
42,0,0,0,0.671,0,0,1.342,0,0,0.671,0,8.725,0,30.405,0,0,0,31.757,0,0,4.11,15.753,0,0,2.759,21.379
,1.379,0,2.759,17.931,0,0,3.448,0,77.931,15.862,13.793,9.655,0.69,0,26.207,12.414,1.379,25.517,60
,0.69,0.69,0,62.759,43.448,22.759,25.517,100,0,0,1.739,0,13.433,15.254,0,0,1.786,0,0,0,0,3.922,
86,48,0,0,0,0,2.174,0,46.667,0,0,0,0,2.381,30.952,0,0,0,6.452,7.407,0,0,0,20,6.667,15.385,0,14.
286,0,0,0,0,0,0,0,12.5,0,0,0,16.667,0,0,0,0,0,0,0,0,0,9.091,0,0,18.75,6.25,0,0,0,9.091,0,0,0,0,
0,0,4.545,0,0,6.897,4.839,0,0,2.817,0,1.149,43.269,0,0.781,0.758,0,15.217,50.714,2.113,76.224,9.7
9,1.399,22.222,0,18.621,8.219,0,20.548,2.74,0,0,6.164,0.685,2.055,0,27.397,53.061,0,0,0.676,0,0,2
.027, 0.671, 0, 5.333, 4, 0, 0, 9.333, 0, 0, 0, 2.667, 0, 0, 56, 0.667, 0, 0, 0.667, 0.667, 0, 69.333, 0, 0.667, 34, 46, 0.
667,0,46.667,21.333,26.667,0,0,7.333,54.667,0,4.667,8,0,2.667,0,8,24,22.667,9.333,0.667,0,31.333,
,0.667,61.333,0,6.667,36,6.667,0,0,9.333,2,0,35.333,0,0,0.667,0.667,0.667,0.667,0.667,0.667,0.667,9.
333,32,0.667,0,0.667,0,0,0,0)
> x12 <- c(2,0,0,0.667,40.667,0,4,88.667,0,3.333,0.667,1.333,0,85.333,0,75.333,0.667,46,0,0,3.333</pre>
,31.333,0,0,16.667,86.667,0,0,18,0.667,0.667,0,0,34.667,0,0,13.333,15.333,73.333,0,2,22.667,46,57
.333,51.333,9.333,2,6.667,42,0.667,8,8,22.667,89.333,0,0.667,1.333,0,0,3.497,0,1.333,0.667,0.667,
1.333,10,22.667,0,72,56,4,28,1.333,2,0.667,22.667,51.333,14,2,34,4,2,3.333,0,37.333,0,4,0,38.667,
0,1.333,90,0.671,0.671,79.866,0,44.295,0,52.349,30.38,2.013,0.667,6,1.333,87.919,0.671,0.671,1.
342,10.667,20.667,0,82.667,8,3.333,70.667,24,40.667,0,44,14,0,0,44.667,2,0,0,54.667,20,0,22.667,4
9.333,2,0,0,9.459,4.698,2.013,21.477,1.351,1.408,8.108,34.459,23.649,8.108,16.216,0,14.189,38.926
,25.333,2,0,17.333,0,15.333,31.333,62.667,66,0,0.667,3.333,0,15.333,52,0.667,20.134,0,0.676,2.027
 ,87.162,2.041,59.864,26.531,11.565,46.259,0,93.878,0.68,37.415,21.769,0,26.531,0.676,30.405,0,21.
088, 4.054, 44.595, 10.135, 1.351, 2.027, 2.703, 2.027, 1.351, 12.838, 72.973, 0.676, 0.676, 0, 1.351, 0, 5.405, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676, 0.676,
,12.162,0,0,0,73.649,0,6.081,45.946,0,62.838,1.351,0,0,69.595,2.027,0,0,4.054,0,0,58.108,0,0,1.36
1,16.438,0,0,2.055,44.521,0,0,17.808,74.658,10.274,0,1.37,32.877,0,0,0,3.425,0.685,0,4.795,9.028,
2.098, 0.699, 19.58, 38.732, 4.965, 51.064, 41.007, 5.224, 0, 30.952, 30.4, 29.6, 22.4, 32.258, 1.613, 16.393, 28
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.448,24.324,0.935,1,6.383,0,0,0,0,0,0,29.412,7.692,4.255,3.846,28.302,0,0,2.273,0,0,0,0,1.961,91.
489,82.222,2.703,0,0,0)
> x < -c(x0, x1, x2, x3, x4, x5, x6, x7, x8, x9, x10, x11, x12)
      .333,0,13.333,0,0,6.25,37.5,0,0,3.846,3.704,0,5.128,4.082,5.769,9.836,1.316,6.604,5.983,0.813,6.4
52,18.4,0,0,1.587,6.349,0,6.299,0,0,0,0,0,0,0,1.575,0,0,0,0,0,0,0,0,0,0,787,0,0,0.787,11.024,
0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.787,0,0,0,0,0,0,0,0,0,0.787,0,0,0,0,0,100,0,0,6.299,16.535,0,1.562,0,
58,1.695,3.817,0,3.759,3.008,2.256,6.015,3.571,2.586,5.042,1.681,1.333,4.054,2.667,0,5.882,0,6.34
9,1.538,0.758,0,1.449,2.158,2.857,7.801,0,0,0,9.396,10.067,0,0,8.725,0.671,2.685,0,0.667,20.667,4
,0,0.667,0,2,0,0,4.667,0.667,0,0,0,0,0,0,0,0,0.671,0.671,0,0,0,0.667,0,0,0,0,0,0.667,1.333,0,0,
3.333,0,0,0,0,0.667,8.667,0,0,6.04,0,0,0,4,0,15.333,0,2.703)
      < c(5.405,0,3.356,2.013,0,37.584,0,0,1.342,0,0,0,0.671,97.987,0,0,0,0,0,0,0,0,0,0,4,0,0.667,0,0
.333,0,0,0,18.667,0,0,0,14.667,0,1.333,0,0.667,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,55.333,0,0.67
6,1.351,0.676,0.676,0,1.351,0,0,0,0,6.849,0,7.586,0,8.904,5.479,2.778,0.943,1.587,2.344,2.041,0.6
85,3.425,0,0,0,0.685,0,0,0,0,1.379,0,0,0,1.379,0,0,0.69,0,0,28.276,0.69,0,13.194,1.389,0,0,42.361
,0,0.694,0.694,2.098,0.694,0,0,0,0,0,0.699,0,0,4.196,0,0,7.586,0,0,0,0,0.69,0,0,0,0,4.895,5.5
94,0,0.699,3.497,0,0,8.392,4.196,0,1.408,0.704,0.704,6.338,0,0,0,0,0,2.098,0,0,0,1.429,0,0,0,0,0,0,
0,0,0,0,0,0,0,0,0.725,0.725,0,18.978,2.941,5.839,4.38,0,0,0,1.46,1.471,1.481,5.926,0,0.735,3.676,
0.735, 0.10.37, 0.741, 0.0, 0.741, 0.0, 0.741, 0.0, 0.741, 0.0, 0.0, 0.11.94, 0.0, 0.0, 0.0, 0.2.344, 4.724, 0.0, 7.317, 6.723, 5.723, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741, 0.741
.882,0,0,0,2.679,37.963,0,0,12.871,9.677,0,0,10.714,0,7.463,0,2.326,0,7.143,4.545)
      043,11.111,13.793,0,4.444,5.769,2.74,1.163,6.122,4.587,0,3.509,18.421,0,0,0,13.158,0,5.263,0,0,0,
,0,8.594,12.5,0,0,0.781,0,0,0,0,0,0,0,0,0.775,0,0,0.775,0,1.55,0,0,0,0,0,0,0,3.101,0,0,20.93,0.775,3.
846,2.308,0.769,0,10,2.344,0,1.6,1.562,0,0.775,0.769,0,1.653,3.937,0,2.29,0.763,0,7.317,6.78,1.77
,2.727,1,0,0,0.84,5.932,0,1.852,1.639,1.538,2.439,1.6,5.882,1.449,9.42,0,0,0,11.565,10.884,0.68,0
.685,6.757,2.069,4.828,0,0.676,22.297,6.757,34.615,7.692,0.676,0.676,0.671,0,2,4,0.671,0,2,0,10.0
,0,0,0,0,0.671)
> y3 <- c(0,0,2.013,1.342,0.667,0,0,0.667,6,0,0,4.667,0,0,0,8.667,0,14,0,2.685,1.342,0,4.698,2.66</p>
7,0,28.859,0,0,1.342,0,0,0,0.671,98.658,0,0,0,0,0,0,0,0,2.667,0,0,0,0,0,0,0,0,0,0,0,0.667,0,2.667,2
99,5.369,4.027,1.342,0,2.703,6.04,0,0.671,7.333,6.667,0,1.333,0.671,0,0,0,0.671,0,0,0,12.667,0,0,
0,12.667,0,2,0,0,28.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,52,0,0.671,2.685,0.671,0,1.342,0,0,0,
27,0.68,0,0,0,0,0,0,0,0,34.247,0,0,10.884,0,0,0.68,42.177,0,0,0,2.055,0,0,0,0,0.685,0,0.685,0,0,4
.11,0,0.685,0,11.644,0,0,0,0,1.37,0,0,0,0,6.944,4.861,0,1.389,6.944,0,0,8.392,4.196,0,0.694,0,3
.472, 4.861, 0.694, 1.389, 0.699, 0, 0, 2.098, 0, 0, 0, 2.817, 0, 0, 0, 0, 0, 0, 0, 1.418, 0, 0, 0, 0, 0, 2.206, 0, 0, 17.647
16,0,0,0,0,0,0,7.143,0,0,6.838,1.709)
> y4 <- c(4.31,0.87,0,0,3.704,33.945,0,0,11.458,3.261,1.124,0,10.39,0,5.797,1.961,2.326,3.571,14.</p>
286,0,6.667,0,18.182,0,0,0,0,50,0,25,0,33.333,0,0,0,0,0,0,0,0,0,0,0,0,0,66.667,0,33.333,0,0,0,0,0
,0,0,0,0,0,40,20,0,0,0,0,25,0,0,0,0,25,0,0,0,0,0,0,33.333,0,0,0,0,0,10,0,12.5,0,0,0,11.765,
0,0,0,0,0,0,0,0,7.692,0,5.556,0,0,0,6.061,10,4.545,4.082,1.887,15.254,2.778,8.602,8.411,0,1.77,25
.664, 0, 0, 0.885, 14.159, 0, 4.425, 0, 0, 0, 0, 0, 0, 0.877, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0.87, 0, 0, 0.862, 9.402, 0.84
0,1.639,0,0,3.39,3.279,0,0,0,0,0,12.903,0,0,0,0,11.29,16.935,0,0,0.806,0,0,0,0,0,0,0,0,0.806,0,
4.839, 0, 0.806, 0, 0, 0, 0, 0, 0, 0, 4, 0, 0, 19.685, 0, 7.752, 0.775, 0, 0, 5.6, 0, 0, 0.775, 4.651, 0.8, 0.787, 0.794, 1.688, 0.787, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.794, 0.79
1,0.787,4.615,0,3.101,0.775,0.775,3.876,4,4.902,5.882,3.279,1.064,1.562,3.704,2.222,3.676,3.497,2
.055, 10.204, 0, 0, 0, 6.711, 13.333, 0, 0, 3.333, 0.671, 3.356, 0, 0, 24, 4.667, 20, 9.091, 0, 1.333, 0, 0, 2.055, 6, 1.
333,0.667,2.667,0,9.333,0,16.667,0,0,0,0,0,0,0,0,0)
,2,0,0,3.333,2,0,0,0,2.667,8,0,0,4,0.671,0,0,8.725,0,12.081,0,2.685,4.698,0,4.667,2,0,37.333,0,0,
1.342,0,0,0,0,99.329,0,0,0,0,0,0,0,0,6.667,0,0.671,0.671,0,0,0,0,0,0,1.342,5.369,0,0.676,2.721,1.
361,0,1.361,2.721,1.342,0,0,0,0,0,0,0,0,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,12,6,33.333,3.3
33,1.333,0.667,0,2,8,0,0,4,4.667,0,0,671,0,0.671,0,0,4.027,0,0,0,10.738,0,0,0.671,6.757,0,0,0.6
76,0,37.162,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,49.664,0,0,3.333,2,2,0,2,0,0,0,0,5.369,0,5.405,0,0.
68,6.522,4.054,0,5.263,3.759,2.703,0.676,2.027,0,0,0,0,0,0.671,0,0,0,0,0,0,0,0,0,1.351,0,0,
21.918,0.68,0,10.204,0,0,0,48.98,0,0,0.68,0.68,0,0,0.68,0,0,0,1.361,0,0,2.721,0,0,0,10.959,0,0,0,
0, 0.69, 0, 0, 0, 0.69, 2.778, 7.639, 0.699, 0, 4.196, 0, 0, 8.451, 3.521, 0, 0.694, 2.083, 2.083, 4.861, 0.694, 0, 0
> y6 <- c(4.255,0,0.709,2.837,1.418,2.128,0,0,2.128,0,0,6.338,0,0,0.699,0,0,0,0.699,0,0,0,0,0,6.5</p>
```

```
22,0,0,0,0,0,1.538,7.692,0,0,9.091,1.653,1.639,0.82,0,0,1.739,38.261,2.752,0,6.731,10.101,2.083
,0,2.273,0,6.154,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,14.286,0,0,0,0,9.091,5,22.727,12.903,0,2,22.6
3.03,1.515,1.515,3.03,1.515,1.562,3.125,3.175,0,3.175,3.704,25,3.636,0,18.333,0,1.923,2.222,2.273
,6.122,8.163,2.326,2.381,2.381,0,1.754,0,0,13.636,3.077,0,0,0,1.695,1.562,0,3.125,0,0,0,0,0,8.929
,5.263,0,12.5,5.556,7.273,5.556,1.887,0,4.255,6,0,3.774,0,5.263,6.897,0,5,0,7.937,20,0,0,2.703,2.
899,2.857,1.408,8.537,1.205,5.682,0,1.124,3.371,5.618,30.337,1.124,3.371,6.383,1.98,0,0,9.917,0.8
6.04,3.356,0,8.108,0,0.676,2.721,2.703,0,1.342,2,0,0.667,0,0,0.667,2)
0,65.333,0,0,0.667,0,53.02,0,2.721,0,0.87,12.5,8.108,8.725,4.054,17.568,4.027,1.342,0,0.671,0.676
,0.671,4.698,0,0,4.73,0,0.671,1.342,0,0,0,0,0,0,0.671,0,0,0,0,0,0,0,0,0,0,0,0,0.667,0,0.667,0,0,0
,0,0.667,24.667,0.667,0,4.667,0,4,10,0,62,19.333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.68,0,0,0,0,0.68,0,
0, 2.055, 5.479, 0, 0.68, 14.483, 0, 0, 0, 0, 0.676, 0, 0, 0, 0, 1.361, 0, 0.676, 0, 0.676, 0, 1.351, 0, 0, 2.027, 0, 4.0
54,0,0,0,16.438,0,0,0,0.685,0.69,0,0,0,0,0,0,0.685,0,0.68,0,0,0,0,0,0,0,0.685,0,0,2.055,0,0,0,2.0
55,1.37,0,0,0,0.685,0,0,0,0,0,0,0,8.966,11.724,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,12.587,0.6
99,0,0,0,1.399,5.594,0,0,0,0,0,0,0,0,0.699,0,0,0,0,0,0,0,0,0,0,1.471,0.84,0.909,0.926,16.038,2.
83,0,4.854,3.093,1.075,0,0,1.408,37.143,7.576,4.918,0,0,26.316,10.526,1.852,1.852,0,1.923,28,44.4
44,2.326,2.564,7.143,34.211,2.564,0,2.381,4.762,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,17.857,0,0,0)
> y8 <- c(7.692,11.765,0,0,22.222,9.231,0,1.471,25,4.348,1.449,2.899,0,1.449,0,0,0,0,0,0,0,0,0,0,0,0</p>
0,0,0,0,0,1.408,0,0,0,0,0,0,0,0,0,0,0,0,2.597,0,1.333,1.333,5.333,0,6.757,1.37,1.37,6.849,4.167,12.
5,9.722,0,11.321,2.564,0,0,9.804,12.857,0,5.634,8.451,0,3.774,0,22.581,1.613,0,1.562,1.562,0,0,2.
74,1.37,1.37,0,1.282,3.896,2.564,5.128,3.846,1.316,1.351,2.941,7.692,0,15.094,3.704,1.852,3.846,2
.985,1.562,1.538,15.873,10.938,1.562,1.471,2.597,3.896,3.529,3.529,5.814,2.326,5.682,5.495,2.105,
3.125,5.263,22.68,1.942,3.704,6.306,3.448,0,2.542,8.148,4.286,0.694,2.74,14.286,0,0,0,0,0,0,0,0.6
.04, 0, 0, 0, 0.671, 0, 0, 0, 0, 0.671, 0, 0, 95.302, 0.671, 0, 0, 0, 0, 0, 0, 0, 0.676, 0, 0, 0, 0, 0, 0, 0, 6.757, 1.351, 0, 3.
378,0,0,2.027,0.676,0,0.671,4.698,0.671,0.671,0,0,0,0.667,0,0,0,0,0,0,0,0,0.671,0,0,0,0,0,0,0,0,0,0
0,0,0,0,0)
> y9 <- c(0,0,0,0.671,0.671,0,0.671,0,0,0,0,0,0.671,20.134,0.671,0,3.333,0,2.013,7.383,0,63.758,16,</p>
0, 2.041, 0, 0.68, 0, 0.68, 0, 0, 0, 1.361, 0, 2.74, 0, 0, 2.055, 15.753, 0, 0, 0, 0, 0.704, 0, 0, 0, 0, 0.694, 0.69, 0, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704, 0.704
0.685, 0, 0, 0, 0, 0, 0.694, 0, 1.389, 0, 0, 0.694, 0, 0, 0.1.389, 1.408, 0, 0.694, 0, 0, 0, 0, 0, 0, 0, 0, 0, 5.556, 9.028, 0.008, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0.009, 0
,0,0,0,0,0,0.694,0,0,0,0,0,0,0,0,0,9.929,0,0,11.348,0,0,0,0,2.128,11.348,0,0,0.709,0,0,0,0,0,0,0,0,0
0,0,0,0,0,0,0,0,1.471,1.471,1.01,0,1.02,6.316,0,0,2.174,5.435,2.381,1.266,0,0,2.778,32.857,4.412,
1.587, 1.613, 0, 16.393, 0, 5.085, 1.754, 1.786, 0, 70.213, 10.638, 4.545, 2.703, 31.707, 2.439, 0, 5, 2.703, 0, 0, 0
,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,37.5,0,0,0,0,0,18.182,7.692,0,0,0,0,0,0,0,0,0,32.075,5.357,0,0,22.22
1.449, 1.449, 5.714, 4.286, 2.817, 5.634, 10.448, 1.515, 9.375, 0, 1.961, 9.804, 0, 0, 0, 12.5, 0, 5.882, 5.128, 2.281, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128, 0.128,
73,2.222,3.509,0,4.348,0,0,0,10.714,0)
> y10 <- c(5.085,0,1.449,0,1.818,0,0,4.286,0,1.408,6.944,3.297,5.319,1.064,3.093,2.041,3.125,23.2</pre>
32,3.03,0.98,3.846,2.804,0.87,1.527,6.207,9.589,1.333,1.333,10.667,0,0,0,0,0,0,0,0,0,0,0,99.329,0
0.667,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,27.333,0,0,0,0.667,0.667,0,0,0,0,0,0,0,0,0,0,0,0
0,0,0,0,0,0,0,62,0,0,0,0,54.667,0,1.342,0.847,3.636,7.895,7.692,5.556,1.333,14.667,2.667,6.711,1.
925,0,0,0,0,0,0,0,0,0,0,0,0)
,0,0,0.69,0.699,0,0,16.418,0,3.448,3.448,0,7.273,1.961,0,0,1.961,0,0,0,16.327,0,0,0,15.217,0,8.88
9,0,37.778,0,0,0,4.762,34.884,7.143,36.842,11.111,0,0,0,4.545,0,0,6.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
.408,9.589,5.747,0,0.826,0.781,15.909,87.681,0,0,0,0,0,0,0,0,0,0,0.685,0,0,0,0,0,0,0,0,0,21.088,0
,0,0,0,0,17.568,0,0,4,4,0,0.667,0,0,23.333,0,5.333,0,0,0.667,0,0,0,0,0,2,0,0,3.333,0,0,0,0,0,0,0,0,0
,0,0,0,0,0,0,0,0,0.667,0,0,0.667,0,0,0,0,0,0,0,0.667,0,0,0,0,0,0,0,0,0.667,0,0,0,1.333,0.667)
3,0.667,0.667,0,6.667,0,0,0.667,1.333,0,0.667,0,0,0,0,0,0,0,0,0,0,1.333,0,0,0,0,0,0,16.107,0,0,
67,0,0,0,0,0,0,0,0,2.667,0,0,1.342,1.342,0.676,0,0.676,0,0,0,0,0,0,0,0,0,0.667,0,0,0,0.667,0,0,0,
0, 0.667, 0, 0, 0.667, 2.667, 0, 5.405, 1.351, 35.135, 0.676, 0, 0, 0.68, 0, 0, 0, 1.361, 0, 0, 0, 0, 0.676, 0, 0, 0, 16.
216,0.676,0,0,0,0,14.865,0,0,0,4.73,0.676,0,0.676,4.054,10.135,0,0,1.351,0.676,0,0,2.703,0,2.027,
0,0,0,0,0,0,0,3.378,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,23.973,5.479,0,1.37,0,6.849,0.685,0,0,0.6
```

```
85, 0, 47.552, 0, 0, 0.704, 0.709, 0, 0, 1.493, 0, 0, 0.8, 0, 0.806, 0.806, 0, 0, 0.901, 4.673, 2, 4.255, 17.391, 11.6
28,14.634,5.195,4.615,11.538,3.922,38.462,2.128,1.923,3.774,12.281,1.852,0,10.909,0,12.5,5.556,1.
961,2.128,0,2.703,0,0,0)
> y < -c(y0,y1,y2,y3,y4,y5,y6,y7,y8,y9,y10,y11,y12)
> cor.test(x, y,alternative = "two.sided", method = "spearman", exact=FALSE )
         Spearman's rank correlation rho
data: x and y
S = 1.0568e+10, p-value = 3.908e-06
alternative hypothesis: true rho is not equal to 0
sample estimates:
        rho
-0.07389848
> # ---- Confidence interval ----
> if(!"RVAideMemoire" %in% installed.packages()){install.packages("RVAideMemoire")}
Installing package into 'C:/Users/alper/AppData/Local/R/win-library/4.3'
(as 'lib' is unspecified)
--- Please select a CRAN mirror for use in this session ---
Warning: dependency 'mixOmics' is not available
also installing the dependencies 'rappdirs', 'cachem', 'memoise', 'mime', 'sass', 'highr', 'xfun'
, 'bslib', 'fontawesome', 'tinytex', 'base64enc', 'fastmap', 'yaml', 'knitr', 'rmarkdown', 'later', 'lazyeval', 'htmltools', 'htmlwidgets', 'httpuv', 'crosstalk', 'jquerylib', 'promises', 'estim ability', 'pixmap', 'sp', 'RcppArmadillo', 'DT', 'ellipse', 'emmeans', 'flashClust', 'leaps', 'mu ltcompView', 'scatterplot3d', 'ggrepel', 'permute', 'ade4', 'FactoMineR', 'pls', 'pspearman', 've
gan'
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/rappdirs 0.3.3.zip'
Content type 'application/zip' length 51425 bytes (50 KB)
downloaded 50 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/cachem 1.0.8.zip'
Content type 'application/zip' length 72581 bytes (70 KB)
downloaded 70 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/memoise 2.0.1.zip'
Content type 'application/zip' length 50182 bytes (49 KB)
downloaded 49 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/mime 0.12.zip'
Content type 'application/zip' length 40809 bytes (39 KB)
downloaded 39 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/sass 0.4.7.zip'
Content type 'application/zip' length 2595756 bytes (2.5 MB)
downloaded 2.5 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/highr 0.10.zip'
Content type 'application/zip' length 46567 bytes (45 KB)
downloaded 45 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/xfun 0.40.zip'
Content type 'application/zip' length 435521 bytes (425 KB)
downloaded 425 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/bslib 0.5.1.zip'
Content type 'application/zip' length 6164271 bytes (5.9 MB)
downloaded 5.9 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/fontawesome 0.5.2.zip'
Content type 'application/zip' length 1358193 bytes (1.3 MB)
downloaded 1.3 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/tinytex 0.48.zip'
Content type 'application/zip' length 137120 bytes (133 KB)
downloaded 133 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/base64enc 0.1-3.zip'
Content type 'application/zip' length 32637 bytes (31 KB)
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downloaded 1.7 MB

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downloaded 31 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/fastmap 1.1.1.zip'
Content type 'application/zip' length 129540 bytes (126 KB)
downloaded 126 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/yaml 2.3.7.zip'
Content type 'application/zip' length 115669 bytes (112 KB)
downloaded 112 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/knitr 1.44.zip'
Content type 'application/zip' length 1515450 bytes (1.4 MB)
downloaded 1.4 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/rmarkdown 2.25.zip'
Content type 'application/zip' length 2676565 bytes (2.6 MB)
downloaded 2.6 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/later 1.3.1.zip'
Content type 'application/zip' length 463823 bytes (452 KB)
downloaded 452 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/lazyeval 0.2.2.zip'
Content type 'application/zip' length 161472 bytes (157 KB)
downloaded 157 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/htmltools 0.5.6.1.zip'
Content type 'application/zip' length 355061 bytes (346 KB)
downloaded 346 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/htmlwidgets 1.6.2.zip'
Content type 'application/zip' length 811006 bytes (791 KB)
downloaded 791 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/httpuv 1.6.11.zip'
Content type 'application/zip' length 999446 bytes (976 KB)
downloaded 976 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/crosstalk 1.2.0.zip'
Content type 'application/zip' length 410322 bytes (400 KB)
downloaded 400 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/jquerylib 0.1.4.zip'
Content type 'application/zip' length 526004 bytes (513 KB)
downloaded 513 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/promises 1.2.1.zip'
Content type 'application/zip' length 2013678 bytes (1.9 MB)
downloaded 1.9 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/estimability 1.4.1.zip'
Content type 'application/zip' length 43227 bytes (42 KB)
downloaded 42 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/pixmap 0.4-12.zip'
Content type 'application/zip' length 209192 bytes (204 KB)
downloaded 204 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/sp 2.1-0.zip'
Content type 'application/zip' length 2081481 bytes (2.0 MB)
downloaded 2.0 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/RcppArmadillo 0.12.6.4.0.zip'
Content type 'application/zip' length 2042067 bytes (1.9 MB)
downloaded 1.9 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/DT 0.30.zip'
Content type 'application/zip' length 1814546 bytes (1.7 MB)
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trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/ellipse 0.5.0.zip'
Content type 'application/zip' length 219358 bytes (214 KB)
downloaded 214 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/emmeans 1.8.8.zip'
Content type 'application/zip' length 2185083 bytes (2.1 MB)
downloaded 2.1 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/flashClust 1.01-2.zip'
Content type 'application/zip' length 28014 bytes (27 KB)
downloaded 27 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/leaps 3.1.zip'
Content type 'application/zip' length 87008 bytes (84 KB)
downloaded 84 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/multcompView 0.1-9.zip'
Content type 'application/zip' length 116735 bytes (113 KB)
downloaded 113 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/scatterplot3d 0.3-44.zip'
Content type 'application/zip' length 352418 bytes (344 KB)
downloaded 344 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/ggrepel 0.9.4.zip'
Content type 'application/zip' length 605461 bytes (591 KB)
downloaded 591 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/permute 0.9-7.zip'
Content type 'application/zip' length 226035 bytes (220 KB)
downloaded 220 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/ade4 1.7-22.zip'
Content type 'application/zip' length 5746493 bytes (5.5 MB)
downloaded 5.5 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/FactoMineR 2.9.zip'
Content type 'application/zip' length 3800862 bytes (3.6 MB)
downloaded 3.6 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/pls 2.8-2.zip'
Content type 'application/zip' length 1178950 bytes (1.1 MB)
downloaded 1.1 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/pspearman 0.3-1.zip'
Content type 'application/zip' length 61797 bytes (60 KB)
downloaded 60 KB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/vegan 2.6-4.zip'
Content type 'application/zip' length 3270319 bytes (3.1 MB)
downloaded 3.1 MB
trying URL 'https://cloud.r-project.org/bin/windows/contrib/4.3/RVAideMemoire 0.9-83-3.zip'
Content type 'application/zip' length 1110263 bytes (1.1 MB)
downloaded 1.1 MB
package 'rappdirs' successfully unpacked and MD5 sums checked
package 'cachem' successfully unpacked and MD5 sums checked
package 'memoise' successfully unpacked and MD5 sums checked
package 'mime' successfully unpacked and MD5 sums checked
package 'sass' successfully unpacked and MD5 sums checked
package 'highr' successfully unpacked and MD5 sums checked
package 'xfun' successfully unpacked and MD5 sums checked
package 'bslib' successfully unpacked and MD5 sums checked
package 'fontawesome' successfully unpacked and MD5 sums checked
package 'tinytex' successfully unpacked and MD5 sums checked
package 'base64enc' successfully unpacked and MD5 sums checked
package 'fastmap' successfully unpacked and MD5 sums checked
package 'yaml' successfully unpacked and MD5 sums checked
package 'knitr' successfully unpacked and MD5 sums checked
```

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package 'rmarkdown' successfully unpacked and MD5 sums checked
package 'later' successfully unpacked and MD5 sums checked
package 'lazyeval' successfully unpacked and MD5 sums checked
package 'htmltools' successfully unpacked and MD5 sums checked
package 'htmlwidgets' successfully unpacked and MD5 sums checked
package 'httpuv' successfully unpacked and MD5 sums checked
package 'crosstalk' successfully unpacked and MD5 sums checked
package 'jquerylib' successfully unpacked and MD5 sums checked
package 'promises' successfully unpacked and MD5 sums checked
package 'estimability' successfully unpacked and MD5 sums checked
package 'pixmap' successfully unpacked and MD5 sums checked
package 'sp' successfully unpacked and MD5 sums checked
package 'RcppArmadillo' successfully unpacked and MD5 sums checked
package 'DT' successfully unpacked and MD5 sums checked
package 'ellipse' successfully unpacked and MD5 sums checked
package 'emmeans' successfully unpacked and MD5 sums checked
package 'flashClust' successfully unpacked and MD5 sums checked
package 'leaps' successfully unpacked and MD5 sums checked
package 'multcompView' successfully unpacked and MD5 sums checked
package 'scatterplot3d' successfully unpacked and MD5 sums checked
package 'ggrepel' successfully unpacked and MD5 sums checked
package 'permute' successfully unpacked and MD5 sums checked
package 'ade4' successfully unpacked and MD5 sums checked
package 'FactoMineR' successfully unpacked and MD5 sums checked
package 'pls' successfully unpacked and MD5 sums checked
package 'pspearman' successfully unpacked and MD5 sums checked
package 'vegan' successfully unpacked and MD5 sums checked
package 'RVAideMemoire' successfully unpacked and MD5 sums checked
The downloaded binary packages are in
        C:\Users\alper\AppData\Local\Temp\RtmpMvxhRW\downloaded packages
> library(RVAideMemoire)
*** Package RVAideMemoire v 0.9-83-3 ***
> spearman.ci(x,y)
        Spearman's rank correlation
data: x and v
1000 replicates
95 percent confidence interval:
-0.1052458 -0.0456365
sample estimates:
       rho
-0.07389848
```