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0,0,0,2,0,8,0,2.667)
> x7 <- c(0,24.667,0,0,25.503,0,0.671,0,4.667,0,0,0.667,89.333,0,0,6.667,0.667,1.333,0,81.333,2,0
,0,0,1.333,0,98,0.667,0.667,0,0,36.667,4.667,0,3.333,17.333,0,0,10.067,2,0.667,6.667,16.667,2.667
,4.667,0,2.041,6.803,0,5.217,0,0,0,1.351,0,0,0,1.342,0,2.027,6.04,0,0,8.163,0,0,0.671,6.04,0,1.34
2,0.671,0,0.671,0.671,0,0,2.013,53.691,0,0,1.333,0,1.333,0,26,0.667,0,0,1.333,0,0,0,0.667,0,0,0
,0,0,0,0,0,0.667,0.667,0.667,0,0,3.356,0,68.707,2.041,0,0.68,25.676,20.27,1.351,0,5.405,5.405,0,0,2.041
,9.524,66.667,0,0.68,2.041,0,1.37,0,8.784,0,1.379,0,7.534,3.425,0,2.703,0.676,0,1.361,8.163,0,0,0
,4.73,3.378,0.676,15.541,6.757,2.027,0,37.162,0,0,0,12.329,6.849,1.37,0,0.685,2.74,0,0,20,3.448,0
.685,0,77.397,0,1.37,0,0.68,0,0,0,0,0,2.055,0,2.74,0,0,12.329,2.055,0,0,0,0,0,0,0.704,0,0,0,0,0,0,0
.685,0,0.685,0.69,0,0,0,47.586,0,4.138,0,50.345,0.69,8.966,0,0.69,1.379,5.556,0,0,0,0.699,0,0,1.3
99,6.294,0,99.301,0.699,0,0,0,9.79,6.294,0,5.594,9.79,2.113,0,18.881,3.497,17.483,0,1.399,5.594,2
.098, 22.378, 33.566, 0.704, 0.719, 0, 0.84, 0, 12.963, 0, 0, 0, 0, 0, 1.163, 1.205, 0, 0, 0, 0, 1.695, 1.754, 0, 0, 3.
> x8 <- c(2.564,1.961,5.66,1.667,0,0,1.471,0,0,0,0,0,2.899,0,0,26.087,0,0,60.294,0,0,1.471,8.824,
0,0,0,0,0,4.225,0,1.408,0,1.351,0,0,1.299,0,0,55.844,1.299,5.195,0,1.333,0,10.667,0,4.054,0,0,0,1
5.625,32.812,0,0,1.37,1.351,7.692,14.286,1.282,0,2.564,3.947,0,2.941,0,2.381,0,5.556,1.852,0,0,3.
125, 1.538, 0, 1.562, 1.562, 0, 1.299, 1.299, 1.176, 1.176, 2.326, 0, 0, 1.099, 0, 0, 1.053, 0, 0.971, 0, 0.901, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13, 24.13,
8, 0.855, 0, 0, 3.571, 0, 2.055, 0.68, 1.361, 0, 2.721, 0.68, 85.034, 0, 0, 0, 0.68, 11.565, 0.68, 0, 2.721, 6.122, 2.721, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0.68, 0
21,0,1.361,55.782,0,0,2.721,13.605,0.68,0,0,2.759,0,3.448,0,0.69,0,0,65.517,5.442,0,58.219,3.425,
1.37,0.685,82.877,7.534,0,0.676,2.013,0,97.315,0,76.51,0,0,0,6.04,2.013,6.04,0.671,78.523,23.49,0
,0,0,0.671,0,0,4.698,0,0,0,46.309,0,0.676,0,0,0,0,0,0,0,0,1.351,21.622,0,0,0,2.027,0,0,0.671,
0.671,0.671,0,4,0,2,0,26.846,0.671,0,30.201,0,0,0.671,2.013,0,0,0,88.667,0,0,8.667,0.667,1.333,1.
333,80,4,0,0,0,0.667,0,100,0.667,1.333,0,0,30.667,2.667,0,3.333,22.667,0,0,9.396,2.055,1.379,9.65
5,20.139,3.472,3.472,0,2.143,13.571,0,4.93,0.704,0.694,0,0,0,0,0,0,0,2.667,6.04,0,1.333,7.333,0.6
71,0,0,4.027,1.342,2.685,0,1.342,0.671,0,0,0,1.361,52.027,0,0,0,0.671)
> x9 < -c(0,27.703,0,0,0,0.671,0,0,0,0,0.671,0.671,0.1.342,0,0,0.671,0,3.356,0.671,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.676,0.076,0.076,0.076,0.076,0.076,0.076,0.076,0.076,0.076,0.076,0.076,0.076,0.076
68.707,6.081,0.676,0,27.517,21.477,0.671,0.671,3.356,6.04,0,0,2.703,7.383,66.892,0,0.671,1.342,0.
671,0.671,0,6.04,0,0,0.671,12.752,4.698,0,3.378,0.676,0,1.361,7.483,3.401,0,0,4.762,0.68,1.361,14
.286,6.122,1.361,0,39.456,0,0.685,0.685,19.178,8.219,2.74,0.69,0.69,0.694,0,0.704,26.761,3.521,1.
408,0,80.42,0,2.759,0,2.74,0,0,0,0,0,4.167,0,0,1.389,0,14.583,0.694,0,0,0,0,0,0,0,0.694,0.694,0,0
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,0,1.389,0,0,0,0,0,0,47.917,0,5.556,0,50.694,0.69,6.897,0,0.694,3.472,6.25,0,0,1.418,0,0,0,0,9.22
,0,98.582,2.837,0,0,0,7.092,4.255,0.709,2.837,7.092,0.714,0,17.143,2.143,20,0,0,5,0.719,22.302,42
.754,0,0,0,1.01,1.02,3.061,0,0,0,0,0,1.19,1.266,0,0,0,0,0,0,0,0,0,0,0,1.786,2.128,0,0,0,0,2.439
0,0,0,0,0,4.478,0,0,14.925,0,0,46.269,1.493,0,0,10.448,0,0,0,0,1.449,1.449,0,0,0,0,0,0,0,0,35.7
14,2.857,0,0,0,0,4.348,1.449,0,0,0,0,0,1.562,0,0,0,0,0,0,0,0,0,5.128,2.273,2.222,0,0,0,0,35.897
,0,8.929,17.241)
> x10 <- c(0,0,0,1.724,5.455,0,0,0,1.408,1.408,0,2.198,0,0,0,0,3.125,2.02,0,0,0,25.234,0,0,0,1.37</p>
,0,2.667,0,0,0,3.333,0,98,0,1.333,0,0,13.333,1.342,0,0.671,8.054,2.685,0,0.667,62,0,0,1.333,12.66
7,0,0,0,0,0,2.013,0,0.676,0,0.671,60.403,2.685,0,57.047,3.378,0,0,93.243,10.738,0,0,0.667,0.671,9
8,0,75.333,0,0,0,5.333,2,3.333,0,88.667,26.667,0,0,0,3.333,0,0,4.667,0,0,0,58,0,0,0,0,0,0,0,0,0,0
,0,0,18,0,0,0,1.333,0,0,0,0,0,0,0.667,0,4,0,0,0,35.333,0,0,36.242,0,0,0,6,0,0,0,93.333,0,0,7.333,0.
667,1.333,0,86,2.667,0,0,0,1.333,0,100,0,0,0,0,36.667,0,0,1.333,26.667,0,0,12,0,0,8.667,20.667,2,
0,0,0,11.409,0.847,0,0,0,0,2,0,0.667,0,0,0.671,0,0,0,0,2,8,0,0,12.838,0.676,0,0,3.356,0,0.671,0,0
.667,0,0.667,0,0,56,0,0,0,0.667,0,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0.667,0,0,0,4,0,0,2.667,0,63
.333,3.333,0,0,36.667,27.333,0,0,1.333,8,0,0,0.667,4,59.06,0,0.671,3.356,0,1.342,0,3.356,0,0,0,0,0
.367,8.163,3.401,0,0,4.082,0,0,20.946,4.054,0,0,90.541,0,0)
> x11 <- c(0,2.013,0,0,0,0,1.342,2.685,0,0,0,0,18.121,0,0,0,0,0,0.671,0,0,0.671,0,0,0,2.685,0,0</p>
,0,0,0,0,51.678,0,5.405,0,54.054,0.676,8.108,0,0,2.74,3.425,0,0,2.069,0,0,0,1.379,4.138,0,100,2.0
69,2.069,0,0,8.966,4.138,0,4.828,13.103,0.69,0,17.241,0.69,16.552,0,0,0.69,0,20,39.31,0,0,0,0,0,0
0,0,0,0,1.724,1.613,1.562,0,4.225,0,0,12.5,0,0,0,0.725,25.714,0,5.594,5.594,0,6.944,0.69,4.138,
0,0,74.658,4.11,0,13.699,0,2.055,10.959,0,0,0,0,0,99.324,74.324,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0
,13.333,0,99.333,0,10,52,0,10.667,26.667,0.667,59.333,4,4.667,0,0.667,6,38,0,0,5.333,0,0,1.333,2.
667,0,0,0,72.667,0.667,71.333,0.667,0.667,0.667,0,74.667,0,0.671,0,1.342,0,0,2,3.333,98,0,16.667,
0,0,2,0,0,0,0,0.667,0,97.333,4,0.667,9.333,0,89.333,0.667,0,0,6.667,0,0,2,0,46.667,0,0,33.333,1
.333,0,0,0,71.333,0,8,0,0,0,0,100,0,0,0)
> x12 <- c(0,0,0,0,30,0,4.667,0,0,93.333,20.667,0,3.333,0,5.333,0,0,0,0,0.667,0.667,0,0,26,12.6
67,4.667,0,0.667,44,0,28.667,3.333,0.667,0,99.333,8.667,10,0.667,0,2.667,16,0,24.667,4,1.333,0.66
7,2,19.333,0,4.667,26.667,2,0,0,0.667,2,0,0,3.497,0,1.333,0,0,0,48.667,20.667,0.667,4.667,10,0.66
7,0.667,0,0,1.333,4,6.667,0,0.667,29.333,0.667,0,30.667,0,2,0.667,1.333,0.667,13.333,0.667,90.667
,2,0,0,0,2.013,0,0,46.98,0,0,0,0,92.667,0,3.356,0,0,2.685,0,0,0,2,1.333,79.333,2,0.667,12.667,0,0
.667,2,0.667,0.667,3.333,10,0,0,4.667,18,0.667,7.333,12.667,0,0,0,8.108,1.342,2.013,0,0.676,0,3.3
78,20.946,1.351,3.378,20.27,0,2.027,13.423,14.667,0,0,5.333,0,59.333,20,14.667,0,0,0,0,0,45.333,2
2.667, 0.667, 4.027, 1.351, 0.676, 0, 0.676, 0.68, 0, 15.646, 0, 6.803, 0.68, 0, 1.361, 4.082, 1.361, 0, 32.653, 4.0
54,2.027,0,0,1.351,0.676,0,0,0,83.108,0,1.351,0.676,1.351,0.676,1.351,0,2.027,0,0,0,62.838,0,0,0,0,
0,34.247,0.685,5.479,0,0,11.644,0,99.315,0,2.055,0,0,1.37,19.444,6.993,1.399,2.797,12.676,2.128,2
6.241,7.194,4.478,3.906,14.286,3.2,1.6,4.8,7.258,60.484,18.033,4.31,10.811,0.935,5,2.128,0,0,1.22
,0,0,0,0,0,1.923,0,0,0,0,0,0,0,0,2.128,2.222,0,0,0,0)
> x < -c(x0,x1,x2,x3,x4,x5,x6,x7,x8,x9,x10,x11,x12)
, 6.25, 0, 0, 0, 0, 0, 0, 0, 0, 2.564, 0, 1.923, 0, 0, 0.943, 0, 0, 0, 2.4, 0, 0, 0, 0, 3.175, 0, 11.024, 0, 0, 0, 0, 0, 35.433
,0,0,0,0,0,0,0,0,0,0,0.787,0,85.039,0.787,0,81.102,0,2.362,0,0,0,0,0,0,0,0,0,95.276,0.787,0,1.575,1.5
75,0,0,0,0,0,0,17.323,34.646,0,0,0.787,0,1.575,0,0,48.031,0.787,0,1.575,0,0,0,0,0,3.937,0,0,0,0
,0.781,0,0,0,0,0,54.887,0,0,0,2.273,0,0,0,29.545,0.775,0.758,0,87.879,96.97,0,0,0.758,0,0,12.879,
0,0,41.667,91.667,0,9.091,3.788,0,0,0,1.515,0.752,0,0,0,0,2.344,0,1.515,0.763,5.469,0,0.746,0,0,2
.29, 0.752, 5.263, 0, 9.023, 6.767, 0.893, 2.586, 2.521, 1.681, 1.333, 0, 0, 0, 0, 5.063, 0, 0, 3.788, 3.676, 0, 2.158
,1.429,0.709,0.685,0,0,0,1.342,32.215,12.081,2.685,9.396,6.04,0,0,0,0,3.571,0,2,0,0,0.667,3.333
,0.667,0,2,0,0,0,3.333,0.671,0,0,4.698,0,0,0,0,1.342,0,0,0,51.678,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0
,84.564,0,0,0,0,2.685,0,89.933,0,0,0,0,0.667,0,0.667,0,0,0,0,0,0,0,1.342,5.333,0,0,0,7.383,40.2
68,71.141,0.671,15.333,0,0,0,1.351)
> y1 <- c(0,0,1.342,0,0,0,0,0,12.081,0,0,0,0,0.671,0,0,22.667,0,26,0,0,0,0.667,0,0.667,0,0,12,0</p>
,0,90.667,0,0,20.667,0.667,2.667,0,0.667,63.333,0,1.342,0,2.685,5.369,0,0,0,0,0,0,0,0,0,0,4.667,0
,0,0,0,0,0,0,1.333,0,0,26.667,0,0,10.667,0,2.667,0,0,0,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
0,0.685,0,0,21.528,2.74,4.11,2.083,0.943,9.524,9.375,0,1.37,3.425,0.685,0,0,0,1.37,0,0.685,0.685,
2.069,28.276,0,0,0,0,0,15.172,0,0,5.517,0,0,0.694,86.806,0,0.694,0.694,0,2.083,0,27.273,71.528,0,
1.399,0,4.895,0,0,2.098,1.399,0.699,0,0,0,0,0,0,0,0.69,12.414,0.69,91.724,0,0.699,0,0,0.699,20.
979,0,0,0,0.699,2.098,0,0,0,28.169,5.634,0.704,1.408,3.521,38.732,2.098,0.699,9.155,0,0.704,2.143
,15.493,0,0,0,0,0,0,0,0,714,0,0,0,21.583,4.348,0,1.449,1.46,45.588,0,0,0,0,65.693,0.73,0,77.778,2
.222,77.941,0,0.735,4.412,0,22.222,1.481,0,0.741,4.444,0,0,0,0.741,0.735,0,0,0.746,0,0,0,25.954
,0,0,46.094,4.724,2.4,9.677,1.626,0.84,0,0,0,0.901,0.893,0,0,0,0,0,8.602,0,0,0,0,0,0,0,0,0,0,0)
,0,0,2.632,0,10.526,0,0,0,0,0,0,35.345,0,0,0,0,0,0,0,0,0,0.862,0,85.47,0,0,77.119,0,0.847,0,0,0,0
,0.813,0,0,0,96.694,0,0,0.833,1.653,0,0,0,0,0,0,0,14.876,36.364,0,0,0,0,0,0,0,34.959,1.626,0,0.81
3,0,0,0,0,0,2.439,0,0.813,0,0,0.813,0,0,0,0,0,45.669,0,0,0,0,0,0,0,781,24.031,2.344,0,0,92.248,97
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.674,0,0,0.775,0,0,16.279,0,0,48.837,89.922,0,8.527,2.326,0,0.769,1.55,2.326,0,0,0,0,0,0,6.25,0,0,0
.781, 5.6, 0, 0, 0, 0, 1.575, 0, 2.29, 0.763, 5.6, 6.504, 0.847, 1.77, 4.545, 3, 5, 0, 0, 2.542, 0.862, 4.63, 0, 3.077, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862, 0.862,
.813,0.8,4.412,1.449,0,0.709,0.68,0,0.68,2.041,44.218,8.904,4.054,6.207,9.655,0,0,0,0,3.846,3.846
,0.676,0,0,0,2,5.333,0,0,3.333,0,0,0.667,2.667,0,0,0,1.333,0,0,0,0,5.369,0,0,5.6667,0,0,0,0.667
,0,0,0.667,0,0.667,0,0,0,0,0,80.667,0,0,0,0,2.667,0,91.946,0,0,0,0,0,0,0,0,0)
> y3 <- c(0.671,0,0,0,0,0,2,6,0,0,0,3.333,47.333,71.333,0,16,0,0,0,2.685,0,0,2.013,0,0,0.671,0,0,</p>
7.383, 0, 0, 0, 0, 0, 0, 1.342, 24.832, 0, 27.333, 0, 0, 0, 2, 0, 0.667, 0, 0.667, 0, 14, 0, 0, 90.667, 0, 0, 21.333, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667, 0, 0.667,
4,0.667,1.333,64.667,0,0,0,2.013,5.369,0,0,0,0,0,0,0,0,0,0,6.04,0,0,0,0,0,0,0,1.333,0,0,25.503,0,
0,16.779,0,5.369,0,0,0,0,0,0,0.671,0,0,0,0,0,0,0,0,3.356,0,0,95.333,0,0,0,0,0,0.667,0,0.667,2.667
,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1.342,0.671,0,0,0,0,0,0.676,0.676,0.676,0.685,
23.129,1.361,2.041,8.163,0,12.308,2.721,1.361,0,4.082,0,0,0,0.68,1.361,0,0,0.68,4.054,23.81,0,0,0
,0,0,12.414,0,1.37,6.164,0,0,0,87.075,0.68,0.68,0,0,2.055,0,28.082,71.918,0,0.685,0,7.534,0,0,3.4
25,2.74,2.055,0,0,0,0,0,0.685,0,0,0,15.172,0,94.483,0,0.69,0,0,4.861,18.75,0.694,0,0,2.098,0,0,0.
694,0,24.306,2.778,0.694,0,2.098,41.958,1.399,2.098,14.685,0,0.699,2.113,18.31,0,0,0,0,0.714,0,
0.709, 0, 0, 0, 19.853, 4.412, 0.735, 5.147, 0.735, 50, 0, 0, 0, 1.493, 73.134, 0, 0, 74.615, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 72.932, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0, 1.515, 0
3.03,0.758,12.879,1.515,0,0,3.759,0,0,0.746,0,0,0,0,0,0,0,0,0,0,23.846,0,0.787,54.331,7.937,2.419,9
.917,0,2.564)
,0,0,0,50,0,0,0,0,0,0,5.882,0,0,0,0,0,10,0,0,0,0,0,0,0,0,0,0,0,1.887,0,4.167,0,0,0,0.885,0,
0,0,0,3.54,0,7.965,0,0,0,0,0,0,35.965,0,0,0,0,0,0,0,0,0,0,0,88.696,0,0,85.345,0,0.847,0,0,0,0,0
,0,0,97.5,0.833,0,0,0.82,0,0,0,0,0,0,0,15.574,31.148,0,0,0,0,0,0,0,41.803,2.459,0,2.459,0,0,0,0,0
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75,4.8,2.362,0,0,0,3.846,0,3.876,0.775,6.202,5.426,1,1.961,0.98,0,4.255,1.562,3.704,1.481,0,4.196
,6.849,0.68,0,0,0,0,0.667,36,9.396,2,7.383,8.054,0,0.671,0,0.667,2.857,6.061,1.333,0.667,0,0,0,2,
0,0,3.333,0,0,1.333,4,0,0,0,2,0,0,0,0,5.333)
       0,0,0,0,0,0,0,0.667,2,0,0,0,3.333,44.966,70.47,0.671,19.463,0,0,0,2.013,0,0,0,0,0.667,0,0,0,10.06
7, 0.671, 0, 0, 0, 0, 0, 0, 30.201, 0, 28.859, 0, 0, 0, 2, 0, 0, 0, 671, 0, 14.094, 0, 0, 94.631, 0, 0, 21.622, 1.351, 4.08
2,0,0,65.306,1.361,0.671,0,1.342,4.698,0,0,0,0,0,0.671,0,0,0,5.333,0,0,0,0,0,0,5.333,0,0,26.6
67,0,0,14,0,4,0,1.333,0,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0.671,0,0,94.631,0,0,0,0,0,0,0,0,0,2.027,1.35
1,0,0,0,0,0,0,0,0,0,0,0,0,1.342,0,0,0,0,0,0,0,0.671,0,3.333,0.667,0,0,0,1.333,0,0,0,0.671,0,1.351,2
3.81,0.68,2.899,8.108,2.479,1.504,0,1.351,0,0,2.027,0.676,0,0,0,1.342,0,0,0.676,2.703,22.297,0,0,
0,0,0,9.459,0,0,6.164,0,0,0,85.034,0,0.68,1.361,1.361,0,0,26.531,77.551,0,0,0.685,6.122,0,0,0.68,
2.041,1.361,0,0,0,0,0,0.69,0,0,0,12.414,0,90.345,0,1.379,0.694,0,5.594,20.28,2.098,0,0,0.704,0.70
4,0,1.389,0,25,5.556,0,0.699,1.399,36.364,2.098,0.699,11.888,0,0.699,1.408,19.718,0,0,0,0,0,0,0,1
.389,0,0,0,19.58,4.225,0,3.546,4.255,49.645,0,0,0)
> y6 <- c(0.709,65.248,1.418,0,79.433,0,79.286,0,2.837,2.817,0,19.014,0.699,0,0,4.895,0,0,0,0.704
,0,0,0,0,0.725,0,0,0,27.407,0,0,44.615,3.077,3.077,4.724,0,1.653,0,0,0,1.709,0.87,0,0.926,2.885
0,0,0,0,0,0,0,0,0,0,1.695,0,0,0,0,0,0,0,0,1.639,1.639,0,0,0,0,0,0,0,1.429,1.429,28.788,0,92.424,0
,0,0,27.273,0,0,0,1.587,0,1.587,0,0,0,1.786,0,0,0,0,0,0,0,0,0,0,0,0,1.515,0,3.077,0,1.515,1.493
,37.288,34.375,0,0,0,0,4.762,0,0,5.357,3.509,0,0,1.852,0,0,0,0,8.511,0,0,0,0,7.018,0,0,1.667,0,0,
0,3.333,0,1.333,0,0,0,90.667,0.667,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0.667,0,0,0,0.676,0,0,0,0,0,0
0,0.671,75,0,0,0,1.361,0,0,0,0,0,0,0,0,0,0)
> y7 <- c(0,0,0,0,0.671,0,0.671,0,0,0,12,0,5.333,0,0,0,0,97.333,0.667,2,0.667,0,0,0.667,0,0,0,0,0</p>
,0,0,0,0,0,0,0,0,0,0,0,0,0,0.667,2,0.667,0,0.671,0,1.361,0.893,0.87,1.471,4.054,0,0,0.676,0.671,1.3
42,0,0,2.703,9.396,0,0,0,0,0,0,81.208,0,0,0,0,0,0,0,0.671,0,0,0,0.667,0,0,0.667,0,0,0,0,0,0,0,0,0,0
,0.667,0,0.667,0.667,2,0,0.667,0,0,0,2.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,69.595,0,0,0,0.68,17.687,0,1.3
61,0,0,0.68,0,10.959,0,25,0,0,1.37,1.37,8.904,0,0,0,0,0.68,0.68,0,0.68,0.676,0,0,0,0,0.676,1.351,
,0,0,0,0,16.901,0,0,0,100,0,0,0,98.63,0,0,0.69,0,0,0,27.586,0,0,0,48.276,0,0,0,0,0,0,0,0,1.399,0,
0,0,0,1.399,0,0,0,2.797,0,0.699,5.594,0,0,0,0,0,0,0,0,82.517,0,0,0,0,12.587,18.182,0,2.158,0.735,
< c(0,1.961,0,0,0,0,2.941,0,0,0,0,0,0,0,0,0,0,2.941,1.471,0,0,0,0,0,2.941,0,1.429,5.634,0
,0,0,0,0,0,0,0,0,0,0,0,0.26,0,80.519,0,0,0,12,0,0,0,1.37,0,0,1.389,0,1.389,0,0,0,0,0,0,1.961,1.429,0,0,0
,0,0,0,1.613,3.226,0,6.25,0,34.375,50,1.37,0,0,0,6.41,3.896,0,0,3.846,2.632,4.054,0,0,0,0,1.852
,0,0,0,0,0,3.125,1.562,0,1.299,1.299,0,3.529,1.163,1.163,2.273,1.099,0,0,1.053,2.062,1.942,0,0.90
8,0.685,0.69,0,95.172,0.69,0,0,0,0,0,0,2.055,0,0,0.685,0,0,0,0,0,2.685,0,0.671,0,0,0,90.604,1.3
,0,0,0,0,0,0,0,0,0.69,0.694,0.694,0.694,1.399,0,0,0,0.704,0.704,0.694,0,0,1.342,0,0,0.671,0,1.333
,8.725,0,0,0,0,0,0,88.591,0,0,0,0,0,0,0,0,0,0,0,0.671,0,0,0.671)
> y9 <- c(0,0,0,0,0,0,0,0,0,0,0.671,0,1.342,0,0.671,0,0,0,0,0.671,0,0,0,0,0,0,0.68,0.676,0,0,0,0,0,
70.47, 0, 0, 0, 0, 18.919, 0.671, 0, 0, 1.342, 0, 0.671, 7.383, 0.671, 24.832, 0, 0, 0, 0.671, 11.409, 0, 0, 0, 0.68, 0
```

```
0,0,0,0,0.694,0,0.694,0,0,61.806,0,0,0,0,0.15.493,0,0,0,99.306,0,0,0,97.222,0,0,0,0,0,0,29.167,0,0
0,47.222,0,0,0,0,0,0,0,0,0,0,0,0,0,1.418,2.128,0.709,0,0.709,0.709,2.837,0,0,7.801,0,0,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0.709,0
,0,0,0,77.857,0,0,0,0,15.108,13.043,0,2.206,0,0,0,0,0,0,0,0,0,0,0,0,2.381,0,0,0,0,1.613,1.639,0,2
,0,0,0,0,0,0,0,0,9.524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,5.97,0,0,0,0,0,0,2.941,0,0,30.435,0,0,1.
449,0,0,0,0,0,0,0,60,0,61.429,5.714,0,0,7.246,2.899,1.429,2.857,0,0,1.493,1.515,3.125,0,0,1.961,0,0
,0,0,0,0,10.256,4.545,0,0,0,2.174,10,0,2.273,23.214,31.034)
> y10 <- c(0,0,4.348,0,0,3.333,0,0,1.408,0,1.389,1.099,2.128,0,0,1.02,0,2.02,1.01,0.98,7.692,2.80</p>
1,0,0,0,0,0,0.667,0,4,0,0,0,0,1.342,0,0,1.333,12.667,0,0,0,0,0,0,0,92.617,0,0,0,0,0,0,0,0,0,0,0,0.6
67,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0,0,1.333,0,0,0,0,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0,0,0,63.333,0,0,0
,0,26.667,0,0.671,0.671,0,0,0,0.671,0,30.872,0,0,33.333,0,0.68,0,14.286,0,0,0,0,0,1.361,0,0.68,0,
0, 0, 0, 0, 0, 2.027, 0, 1.351, 0, 0.68, 0, 15.646, 31.973, 0, 0, 0, 0, 0, 0, 0.676, 0, 0, 0, 3.378, 0, 0)\\
> y11 <- c(0,0,0,0,0,0,0,0,0,0,0,0,0,65.101,0,0,0,0,16.779,0,0,0,100,0,0,0,97.315,0,0,0,0,0,36.</p>
913,0,0,0,45.946,0,0,0,0.676,0,0,0,0,0,0,0,0,0.69,1.379,0,0,0,2.069,0,0,5.517,0,0,0,0,0,0,0,0,82.
069, 0, 0, 0, 0, 15.172, 14.483, 0, 0, 0, 0, 35.135, 2.985, 18.644, 0, 0, 0, 5.455, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 93.
333,0,0,47.727,0,0,0,0,0,0,0,0,0,0,5.556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,83.333,0,16.667,83.333,8
0,0,0,0,0,0,3.425,0,0,0,4.11,0,0.685,52.055,0,0,0,0.68,0,0,25,0,0.676,0.671,0,0,2,0,0,0,0,0,0,0,2
0.667,0,0,0,0.667,0,1.333,46.667,0,0,0,0,0,0,0,0,0,0,22,0,0,64.667,0,0,2.667,0,0,0.671,3.333,0,
3.333,0,1.333,0,0,5.333,0,0.671,0,0,0,0,0,0,1.333,0,0,0,0,10.667,0,1.37,0,6.667,10,0,2.667,0,0,3.
333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,11.333,1.333,0,0,0,11.333,0,2.667,0,0,2.667,0,0,0,0,0)
4,0,0,0,10.667,0,0,0,0,0,0,0,0,0,0.667,0,0,0,1.333,6,28,0,0,0,0,31.333,0,0,2.797,0,0.667,0,0,0,4,0.
667,0,0.667,0.667,0.667,0.667,0,0,0,3.333,0,0,1.333,14,0,0,1.333,0,0.667,0,1.333,0,2,0,4.667,0,0,
0,0,2.013,0,0,4.698,0,0,0,0.667,0.667,0.667,0.0,0,0,0.671,39.333,0,0,0,0,1.333,0,0,0.667,0,0,98.6
67,0,0,0,0,0,0,0,0,0,0,20.667,0,0.667,0,0.667,18.919,0,6.711,2.013,1.351,0,4.054,0,0,0,0,0,0,0.676,0.67
1,0,0,0,0,0,17.333,0,0,0,0,0,0,0,4.667,0,1.333,2.013,0,0,0.676,0.676,1.361,0,0,0,0,0,0,0,0,0.68,0
,0,0,0,0,0,0.676,3.378,0,0,0,7.432,0,1.351,1.351,0,0.676,3.378,0,36.486,1.351,7.432,0,12.162,0,0,
0,0,0.676,0,39.189,0,0,0,0,0,0,4.054,0,0,0,18.243,0,0,0,0,13.699,0,0,0,0,0,0,9.589,0,28.082,0,4
.795, 13.699, 0, 0.685, 0, 1.37, 0, 0, 0, 0.694, 0, 0, 0, 0, 0, 0, 0, 1.493, 0, 0, 0, 0.8, 0, 0, 31.452, 45.902, 0, 10.811, 0
.935, 10, 1.064, 0, 0, 0, 1.299, 0, 0, 1.961, 0, 0, 0, 0, 1.754, 0, 0, 1.818, 0, 0, 1.852, 1.961, 0, 0, 0, 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 = 6179455542, p-value < 2.2e-16
alternative hypothesis: true rho is not equal to 0
sample estimates:
        rho
0.3720665
> # ---- Confidence interval ----
> if(!"RVAideMemoire" %in% installed.packages()) {install.packages("RVAideMemoire")}
> library(RVAideMemoire)
*** Package RVAideMemoire v 0.9-83-3 ***
> spearman.ci(x,y)
          Spearman's rank correlation
data: x and y
1000 replicates
95 percent confidence interval:
 0.3441082 0.4002181
sample estimates:
        rho
0.3720665
```