```
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)

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

  Natural language support but running in an English locale

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

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.

> x10 <- c(0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,10,0,0,0,0,0,0,0,0,0,0
,0,0,0,0,3.03,0,0,0,0,0,0,0,0,0,0.8,0,0,0,0,8.73,0,88.976,3.968,7.937,0,0,0,0,20.472,3.15,0,0,4.6
51,0,0,0.787,0,0,99.213,0,13.386,0,0,7.874,0,0,0,0,0,0,100,8.661,3.15,0,4.724,26.772,1.575,28.346
,2.362,24.409,20.472,0.787,0,0,0,3.937,63.78,39.37,0.787,0,3.15,1.575,10.236,0,0,47.244,1.575,0,0
,0,1.562,0,0,0,14.961,0,4.724,0.781,0,2.344,57.031,0,0,0.758,0,8.271,0,0.758,1.515,3.788,2.273,0,
28.03,11.364,3.876,0,11.364,4.545,1.515,0,0,0,0.758,0,0,0.758,13.636,39.394,8.333,25,49.242,3.03,
0,81.818,1.515,3.03,0,0,0,0.758,0,1.562,0.758,4.545,0,0.781,1.504,0,0.758,0,3.817,0,7.519,0,8.271
,10.526,4.464,1.724,0,4.202,1.333,1.351,4,0,1.471,2.532,1.587,0.769,1.515,2.941,0,3.597,6.429,2.1
28,0.685,0,0,2.013,2.685,65.101,30.201,0.671,0,1.342,0.671,1.333,0,0,0,0,0.667,0,0,4.667,0,0.667,
2,0,0.667,3.333,0,0,0,0,4.698,1.342,0.671,2.685,13.423,6.711,0.671,7.383,3.356,2.013,0,32.215,51.
007,0,0,13.333,0,0,0,0,0,0,0,0,2,0,0,70.47,0,0,0,77.852,0,8.054,7.383,2,0,18.667,0.667,5.333,13.3
33,8,0.667,0,2,1.333,0,0,0,0,2.667,0,0,0,0.671,54.362,25.503,8.054,0,0.667,0,23.649,0)
> x11 <- c(0,0,3.356,0,7.432,0,0,0,0.671,0,0,0,0,0,0,89.262,69.333,0,6,0,0,0,40.667,0,1.333,0,0,0
,18.667,0,0,4.667,0,0,72.667,0,0,0,5.333,7.333,0.676,0,0,13.423,5.369,0,0,9.396,0.671,0,1.333,16,
0,0,42,36.667,0,0,75.333,2,0.667,100,0,4.667,2,0,40.667,0,0,3.333,0,0,0,0,0,0,0,0,0.667,0,0,0,0,6
.667,0,1.333,0,99.333,0,0,6,0,0.667,0,2,0,0.667,13.423,0.667,11.333,1.333,0.667,23.333,16.667,0.6
67,5.333,3.333,98.667,99.333,26.846,0.671,1.342,23.49,10.738,0.671,0,3.356,0,0,0,78.378,0,2.027,6
.757,0,0,14.189,3.378,0,2.721,8.904,1.37,0,0.69,59.722,2.055,10.274,13.194,1.887,2.381,0,0,0.685,
4.11,36.986,0,4.11,9.589,5.479,1.37,10.959,8.219,8.966,66.207,14.483,6.207,0,2.759,6.207,6.207,0,
1.37,0.69,0,0,1.389,6.944,4.861,45.833,0,2.778,29.861,0,5.594,24.306,0,0.699,1.399,27.972,0.699,1
.399,8.392,33.566,2.797,0,30.556,40.972,0,0.69,2.069,0,2.759,4.828,2.759,17.241,6.897,0,4.196,0,0
,72.727,4.196,0,0,0.699,0,13.287,0,0.704,0,15.493,0.704,0,6.338,7.042,22.535,18.182,1.399,11.268,
2.113,0,6.429,35.915,15.603,0,0,5.674,16.312,0,4.965,22.857,0,40.426,8.511,43.885,2.899,10.145,1.
449,1.46,16.912,0,0,0,0,9.489,4.38,0,0.741,2.222,19.118,0,0,2.941,0,0,2.963,5.185,0,0,13.333,5.18
5,0.741,5.185,11.029,0,4.444,1.481,6.716,2.256,1.504,6.87,9.16,9.231,3.876,3.125,0,10.4,12.903,1.
626,0,0,0,0,27.928,2.679,0,0,12.5,0.99,6.452,0,4.762,0,0,0,0,0,0,0,0)
> x12 <- c(0,0,0,0,0,0,0,0,100,0,0,0,0,0,12.5,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,9.091,0,0,33.333,0,0,0,0,0,0,0,0,0,0,2.632,0,3.846,0,2.326,0,0.917,0
,0,0,0,0,0,0,4.386,0,89.474,4.348,9.483,0,0,0,0,23.276,1.724,0,0,0.862,0,0,0.862,0,0,99.138,0,8.5
47,0,0,12.712,0,0,0,0,0,0,96.748,8.871,2.479,0,3.306,28.333,5,27.5,1.653,29.752,21.488,2.479,0,0.
826,0,0.826,71.074,43.802,0.826,0,1.639,0.82,10.656,0,0,59.35,0,0,1.626,0,0,0,0,1.626,10.569,0,2.
439,0.813,0.813,1.626,65.323,0,0,0,0,10.236,0,0,0.781,3.906,0,0,33.594,17.829,0,0,13.178,4.651,1.
55,0,0,0,0.775,0,0.775,0.775,16.279,31.783,10.078,23.256,55.814,3.876,0,80,0,2.326,0,0,0,0.769,0,
2.344,0,0,1.562,0,0,0,0,0.826,3.937,0.758,11.45,0,15.2,10.569,1.695,0.885,0,1,2.5,4.615,1.681,3.3
9,0.862,1.852,1.639,1.538,1.626,0.8,5.147,10.145,0.725,1.418,0,2.041,0.68,2.041,54.422,36.986,0.6
76,3.448,2.069,0,2.027,0,0,0,0,0,0,0,2,0.667,0.667,5.369,0,0.667,1.342,0,0,0,0,6,0.667,1.333,1.33
3,13.333,6.667,0,6.04,2.013,2.013,0,28.667,50.667,0.667,0,12.667,0,0,0,0,0,0,0,0,1.333,0,0,71.333
,0,0,0,78,0,7.383,7.383,1.342,0,16.107,0,6.711,9.396,4.698,0.671)
> x13 <- c(0,0.676,0,0,0,0,0,5.333,0,0,0.667,0.667,48,24.667,6.667,0,0,0,20.805,0,0,0,2.685,0,3.3
56,0,0,0,1.342,0,0,0,0,0,0.671,0,87.248,65.772,0,2.667,0,0,0,37.333,0,2,0,0,0.667,16,0,0,4.667,0,0,
74,0.667,0,0,4,10.667,0.667,0,0,13.423,2.685,2.685,0,8.725,0,0,2.685,15.436,0,0,38.255,36.913,0,0
,77.852,2.667,0.667,99.333,0,3.333,2,0,42.282,0.671,0,6.04,0,0.671,0,0,0,0,0,0,0,0.671,1.342,0,0,0,
11.333,0,0,0,96.644,0.671,0,4,0,0.667,0,4,0,0,10.667,0.667,8,0,0.667,20.667,12,0,7.333,8,98.667,9
9.333,30.667,0.667,1.333,22,9.333,0,0,2.667,0,0,0,79.866,0.671,3.356,2.685,0,0,14.094,3.356,0,0.6
76,6.757,1.351,0,0.685,52.381,0,4.082,12.925,3.077,0.769,0.68,0,0.68,4.082,33.333,0.68,3.401,7.48
3,4.762,3.401,10.884,6.803,5.405,63.265,10.204,2.721,0.68,5.442,4.082,5.517,0,1.37,0.685,0,0,4.76
2,6.803,7.483,52.381,0,2.721,26.027,0,6.849,23.973,0.685,0,0.69,21.233,0,0.685,4.11,32.877,3.425,
0,36.986,39.726,0.685,0.685,3.425,0,2.055,2.74,2.069,21.379,5.517,0,4.828,0.694,0,68.75,3.472,0,0
,1.399,0,12.587,0.699,0.694,0,15.278,1.389,0,9.028,5.594,20.979,18.182,2.098,8.392,0,0,7.042,44.3
66,14.184,0,0,9.155,19.858,0,8.511,22.695,0.714,42.446,4.412,47.794,8.088,9.559,2.941,1.471,18.38
2,0.735,0.735,0,0,7.463,2.985,0,0,2.273,22.556,0,1.515,0.758,0,1.515,0.758,4.545,0,3.759,10.526,5
```

```
.263,0.746,5.97,10.448,0,3.759,0.758,6.107,1.527,0.769,3.846,10,6.154,3.15,7.087,1.587,14.516,5.7
85,1.709,0)
> x14 <- c(0,1.739,0,37.273,0.926,0,0.943,9.804,0,0,0,7.229,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,40,0,
0,0,0,0,20,0,0,0,0,0,33.333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,14.286,0,0,0,0,0,0,0,0,0,0,
0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1.389,1.075,0,0,0,0
,0,0,0,0,6.195,0,90.265,6.195,6.195,0,0,0,0,21.93,2.609,0,0,0.87,0,0,0,0,0,100,0,9.565,1.724,0,2.
586,0,0,0,0,0,0,99.174,9.917,2.5,0,2.5,25.833,4.167,29.752,2.459,32.787,27.869,0,0,1.639,0,3.279,
72.951,44.262,0.82,0,3.279,2.459,9.016,0,0,53.279,0,0,0,0,2.459,0,0,0,6.557,0,0.82,4.918,0,0.82,1
.626,58.871,0,0,0,0,8.871,0,0,5.645,4.839,0,0,30.645,12.097,2.5,0,14.516,5.645,3.226,0,0.806,0,0.
806,0,0,0,16.935,35.484,11.29,17.742,47.581,7.2,0,83.465,0,1.575,0,0,0,0,0,0.775,0,2.326,0,0.8,0.
787,0.794,0.84,0,2.308,0,9.302,0,10.078,10.078,3,0,0,1.639,1.064,1.562,0.741,2.963,2.206,0.699,4.
11,0.68,1.351,0,0.671,0,2,60.667,33.557,2,1.342,0,0,0,0,0,0,0,0,0,0,3.333,0,0,4,0,0,2.667,0,0,0,0
,5.333,1.333,0,2,14,8,0,9.333)
> x15 <- c(5.333,4,0,28.667,49.333,0.667,0,14,0,0,0,0,0,0,0,0,0.671,0.676,0.676,68.919,0,0,0.671,
76.51,0,6.711,9.459,1.351,0,16.216,0.676,3.378,15.541,7.383,0,0,0.667,1.333,0,0,0,0,4,0,0,0,0.667
,45.638,22.819,6.711,0.671,0,0,22.148,0,0,0,5.333,0,4,0,0,0,1.342,0,0,0,0,0,0,89.262,63.758,0,3.3
56,0,0,0,34.667,0,0.671,0,0,0,14.094,0,0,2.013,0,0,70.946,0,0,0,2.721,5.442,0.68,0,0,12.752,3.356
,2.013,0,8.054,0,0,4.027,17.45,0,0,44.667,39.333,0.667,0,76,2,0,100,0,4.667,1.333,0,45.333,0.667,
0,2.667,0,0,0,0,0,0.667,0,0,0,0,0.667,0,0,0,5.369,0,0,0,98.658,0,0,3.356,0,0.671,0,2.685,0,0,8.78
4,0.676,6.081,0.676,0,30.872,14.765,0,7.333,6,99.333,100,28,0,0,20.134,13.423,0,0,1.342,0,0,0.671
,79.195,0,2.667,2.667,0,0,10.667,3.333,0,2.013,5.369,1.342,0.671,0,61.224,0.68,0.725,9.459,28.926
,0.752,1.504,0.676,0,0.676,6.757,35.811,0,8.108,7.432,4.027,2.685,12.162,10.811,10.811,72.297,13.
514,6.081,0,4.73,3.378,7.432,0.676,1.361,1.37,0,0,2.041,6.803,8.163,48.299,0.68,2.041,28.571,0,5.
442,17.007,0,0,0.685,21.088,0.68,0,5.442,33.333,5.442,0,28.767,41.781,0,0,1.379,0.69,0.69,4.138,3
.448,15.172,8.966,0,1.379,0,0,66.434,4.895,0.699,0,0,0,14.789,0,0.694,0,22.222,0,0,5.594,4.895,26
.573,21.678,0,5.594,1.399,0,6.338,40.141,10.49,0.694,0,5.517,15.972,0,6.25,22.917,0,45.139,4.895,
41.958,8.451,11.348,1.418,2.837,10.638,0,0,3.546)
> x16 <- c(0,9.22,4.255,0,1.418,0.709,15.714,0,0.709,2.113,0,0,1.399,4.895,0,2.797,17.483,6.294,2
.797,6.338,10.714,0.719,5.755,1.439,2.174,0.725,0.73,2.19,8.148,5.303,6.154,9.231,2.308,12.308,5.
512,0,0,0,0,0.84,31.624,2.609,0,0.917,7.407,0,4.04,1.042,5.435,0,0,0,2.326,0,0,0,0,0,0,0,0,0,0,0,
0,0,0,0,0,0,0,0,0,0,0,0,0,2.857,0,0,0,0,0,0,0,0,0,0,0,0,22.034,0,0,61.017,0,0,0,11.667,0,0,0,0,0,
0,9.836,0,0,0,1.449,0,0,0,0,0,66.667,1.515,1.515,0,0,0,9.091,0,1.562,0,0,0,0,0,0,3.636,0,0,1.695,
0,0,0,2.041,0,0,0,2.381,0,0,0,54.545,0,4.615,1.538,36.364,0,13.559,40.625,0,0,0,1.587,6.349,1.613
,0,1.786,0,9.375,0,1.852,0,1.852,0,2.128,12.766,2,0,0,0,0,1.724,0,0,0,0,0,0,0,1.449,1.429,0,0,1
.205,0,0,1.124,1.124,0,0,0,0,1.064,33.663,0,0,0,0,0,0.73,0.69,0,0,4.795,0,84.932,0,0,0,0,13.605,0
.68,0,1.361,8.163,5.442,0,0.68,52.381,0,0,2.041,7.483,0.68,0,0,5.442,0,2.027,0,1.351,0.676,0.676,
62.838,5.405,0,58.784,1.342,0.671,0,82,8.667,0,0.667,0.667,0,96,0,80.667,0,0,0,8,1.333,5.333,0,82
,27.333,0,0,0,1.333,0,0,4,0,0,0,52.667,0,0,0,0,0,0.676,0,0.676,0,0,0,0.671,22.297,0,0,0,4.082,0,0
,0,0,0,2,0,8,0,2.667)
> x17 <- 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,
0,0,0,1.333,0,98,0.667,0.667,0,0,36.667,4.667,0,3.333,17.333,0,0,10.067,2,0.667,6.667,16.667,2.66
7,4.667,0,2.041,6.803,0,5.217,0,0,0,1.351,0,0,0,1.342,0,2.027,6.04,0,0,8.163,0,0,0.671,6.04,0,1.3
42,0.671,0,0.671,0.671,0,0,2.013,53.691,0,0,1.333,0,1.333,0,26,0.667,0,0,1.333,0,0,0,0.667,0,0,0,
0,0,0,0,0,0,0.667,0.667,0,0,3.356,0,68.707,2.041,0,0.68,25.676,20.27,1.351,0,5.405,5.405,0,0,2.04
1,9.524,66.667,0,0.68,2.041,0,1.37,0,8.784,0,1.379,0,7.534,3.425,0,2.703,0.676,0,1.361,8.163,0,0,
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.
399,6.294,0,99.301,0.699,0,0,0,9.79,6.294,0,5.594,9.79,2.113,0,18.881,3.497,17.483,0,1.399,5.594,
2.098,22.378,33.566,0.704,0.719,0,0.84,0,12.963,0,0,0,0,0,0,1.163,1.205,0,0,0,0,1.695,1.754,0,0,3
.704,1.852,0,0,0,0,0,0,3.571,0,0,53.846,0,0,2.381,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,30,0,9.091)
> x18 <- 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,
1.37,0,5.556,2.778,1.724,3.774,0,0,3.774,1.961,0,0,1.408,1.408,0,0,65.517,0,3.226,3.125,42.188,0,
15.625,32.812,0,0,1.37,1.351,7.692,14.286,1.282,0,2.564,3.947,0,2.941,0,2.381,0,5.556,1.852,0,0,3
.125,1.538,0,1.562,1.562,0,1.299,1.299,1.176,1.176,2.326,0,0,1.099,0,0,1.053,0,0.971,0,0.901,24.1
38,0.855,0,0,3.571,0,2.055,0.68,1.361,0,2.721,0.68,85.034,0,0,0,0.68,11.565,0.68,0,2.721,6.122,2.
721,0,1.361,55.782,0,0,2.721,13.605,0.68,0,0,2.759,0,3.448,0,0.69,0,0,65.517,5.442,0,58.219,3.425
,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,
0,0,0,0.671,0,0,4.698,0,0,0,46.309,0,0.676,0,0,0,0,0,0,0,0,1.351,21.622,0,0,0,2.027,0,0,0,0.671
,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
.333,80,4,0,0,0,0,0.667,0,100,0.667,1.333,0,0,30.667,2.667,0,3.333,22.667,0,0,9.396,2.055,1.379,9.6
55,20.139,3.472,3.472,0,2.143,13.571,0,4.93,0.704,0.694,0,0,0,0,0,0,0,2.667,6.04,0,1.333,7.333,0.
671,0,0,4.027,1.342,2.685,0,1.342,0.671,0,0,0,1.361,52.027,0,0,0,0,0,0.671)
> x19 <- c(0,27.703,0,0,0,0.671,0,0,0,0,0,0.671,0.671,0,1.342,0,0,0.671,0,3.356,0.671,0,0,0.676,0
,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
.671,0.671,0,6.04,0,0,0.671,12.752,4.698,0,3.378,0.676,0,1.361,7.483,3.401,0,0,4.762,0.68,1.361,1
4.286,6.122,1.361,0,39.456,0,0.685,0.685,19.178,8.219,2.74,0.69,0.69,0.694,0,0.704,26.761,3.521,1
.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,
0,0,1.389,0,0,0,0,0,0,47.917,0,5.556,0,50.694,0.69,6.897,0,0.694,3.472,6.25,0,0,1.418,0,0,0,0,9.2
```

```
2,0,98.582,2.837,0,0,0,7.092,4.255,0.709,2.837,7.092,0.714,0,17.143,2.143,20,0,0,5,0.719,22.302,4
2.754,0,0,0,1.01,1.02,3.061,0,0,0,0,0,1.19,1.266,0,0,0,0,0,0,0,0,0,0,0,0,1.786,2.128,0,0,0,0,2.43
9,0,45,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,7.692,0,0,0,10,0,0,0,2.083,0,0,1.639
,0,0,0,0,0,4.478,0,0,14.925,0,0,46.269,1.493,0,0,10.448,0,0,0,0,1.449,1.449,0,0,0,0,0,0,0,0,0,35.
714,2.857,0,0,0,0,4.348,1.449,0,0,0,0,0,0,1.562,0,0,0,0,0,0,0,0,0,5.128,2.273,2.222,0,0,0,0,35.89
7,0,8.929,17.241)
> x110 <- c(0,0,0,1.724,5.455,0,0,0,1.408,1.408,0,2.198,0,0,0,0,3.125,2.02,0,0,0,25.234,0,0,0,1.3
7,0,2.667,0,0,0,3.333,0,98,0,1.333,0,0,13.333,1.342,0,0.671,8.054,2.685,0,0.667,62,0,0,1.333,12.6
67,0,0,0,0,0,2.013,0,0.676,0,0.671,60.403,2.685,0,57.047,3.378,0,0,93.243,10.738,0,0,0.667,0.671,
98,0,75.333,0,0,0,5.333,2,3.333,0,88.667,26.667,0,0,0,3.333,0,0,4.667,0,0,0,58,0,0,0,0,0,0,0,0,0,
0,0,0,18,0,0,0,1.333,0,0,0,0,0,0.667,0,4,0,0,0,35.333,0,0,36.242,0,0,0,6,0,0,0,93.333,0,0,7.333,0
.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,
0.667,0,0.667,0,0,0,56,0,0,0,0,0,0.667,0,36,0,0,0,0,0,0,0,0,0,0,0,0,0,0.667,0,0,0,0,4,0,0,0,2.667,0,6
3.333,3.333,0,0,36.667,27.333,0,0,1.333,8,0,0,0.667,4,59.06,0,0.671,3.356,0,1.342,0,3.356,0,0,0,0
,0,11.565,4.082,0,4.082,1.361,0,1.361,9.524,2.721,0,0,6.803,2.74,0,21.233,4.73,0,0,46.622,0,0,0,1
8.367,8.163,3.401,0,0,4.082,0,0,20.946,4.054,0,0,90.541,0,0)
> x111 <- c(0,2.013,0,0,0,0,1.342,2.685,0,0,0,0,18.121,0,0,0,0,0,0.671,0,0,0.671,0,0,0,0,2.685,0,
0,0,0,0,0,51.678,0,5.405,0,54.054,0.676,8.108,0,0,2.74,3.425,0,0,2.069,0,0,0,1.379,4.138,0,100,2.
069,2.069,0,0,8.966,4.138,0,4.828,13.103,0.69,0,17.241,0.69,16.552,0,0,0.69,0,20,39.31,0,0,0,0,0,
0,23.729,0,0,41.071,3.636,1.961,0,0,0,0,0,0,0,0,0,0,0,0,0,4.444,0,0,0,0,0,0,0,0,0,0,0,0,4.545,0,0
,0,0,0,0,0,0,0,0,83.333,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,10,11.111,0,0,0,0,6.25,6.25,0,0,0,0,0,0,0,0,0
,0,0,0,0,1.724,1.613,1.562,0,4.225,0,0,12.5,0,0,0,0,0,0.725,25.714,0,5.594,5.594,0,6.944,0.69,4.138
,0,0,74.658,4.11,0,13.699,0,2.055,10.959,0,0,0,0,0,99.324,74.324,0,0,0,0,0,0.667,0,0,0,0,0,0,0,0,0,
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
,0,0,2,0,0,0,0,0,0.667,0,97.333,4,0.667,9.333,0,89.333,0.667,0,0,0,6.667,0,0,2,0,46.667,0,0,33.333,
1.333,0,0,0,71.333,0,8,0,0,0,0,100,0,0,0)
> x112 <- c(0,0,0,0,30,0,4.667,0,0,0,93.333,20.667,0,3.333,0,5.333,0,0,0,0,0.667,0.667,0,0,26,12.
667,4.667,0,0.667,44,0,28.667,3.333,0.667,0,99.333,8.667,10,0.667,0,2.667,16,0,24.667,4,1.333,0.6
67,2,19.333,0,4.667,26.667,2,0,0,0.667,2,0,0,3.497,0,1.333,0,0,0,48.667,20.667,0.667,4.667,10,0.6
67,0.667,0,0,1.333,4,6.667,0,0.667,29.333,0.667,0,30.667,0,2,0.667,1.333,0.667,13.333,0.667,90.66
7,2,0,0,0,2.013,0,0,46.98,0,0,0,0,92.667,0,3.356,0,0,2.685,0,0,0,2,1.333,79.333,2,0.667,12.667,0,
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.
378,20.946,1.351,3.378,20.27,0,2.027,13.423,14.667,0,0,5.333,0,59.333,20,14.667,0,0,0,0,0,45.333,
22.667,0.667,4.027,1.351,0.676,0,0.676,0.68,0,15.646,0,6.803,0.68,0,1.361,4.082,1.361,0,32.653,4.
054,2.027,0,0,1.351,0.676,0,0,0,83.108,0,1.351,0.676,1.351,0.676,1.351,0,2.027,0,0,0,62.838,0,0,0
,7.432,0,0,6.757,0,0,0,0,0,1.351,51.351,0,0,6.081,32.432,0,9.459,0,0.68,82.313,5.479,0,0,0,2.74,0
,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,
26.241,7.194,4.478,3.906,14.286,3.2,1.6,4.8,7.258,60.484,18.033,4.31,10.811,0.935,5,2.128,0,0,1.2
2,0,0,0,0,0,0,0,1.923,0,0,0,0,0,0,0,0,0,2.128,2.222,0,0,0,0)
> x1 <- c(x10,x11,x12,x13,x14,x15,x16,x17,x18,x19,x110,x111,x112) #Before
> x20 <- c(14.286,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,16.667,0,0,0,0,0,0,0,0,0,0,0,0,0,
0,6.25,0,0,0,0,0,0,0,0,0,2.564,0,1.923,0,0,0.943,0,0,0,2.4,0,0,0,0,3.175,0,11.024,0,0,0,0,0,0,35.43
3,0,0,0,0,0,0,0,0,0,0,0.787,0,85.039,0.787,0,81.102,0,2.362,0,0,0,0,0,0,0,0,95.276,0.787,0,1.575,1.
575,0,0,0,0,0,0,0,0,17.323,34.646,0,0,0.787,0,1.575,0,0,48.031,0.787,0,1.575,0,0,0,0,0,3.937,0,0,0,
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,
2.29,0.752,5.263,0,9.023,6.767,0.893,2.586,2.521,1.681,1.333,0,0,0,0,5.063,0,0,3.788,3.676,0,2.15
8,1.429,0.709,0.685,0,0,0,1.342,32.215,12.081,2.685,9.396,6.04,0,0,0,0,3.571,0,2,0,0,0,0.667,3.33
3,0.667,0,2,0,0,0,3.333,0.671,0,0,4.698,0,0,0,0,1.342,0,0,0,51.678,0,0,0,0.667,0,0,0,0,0,0,0,0,0,
0,84.564,0,0,0,0,2.685,0,89.933,0,0,0,0,0,0.667,0,0,0.667,0,0,0,0,0,0,1.342,5.333,0,0,0,7.383,40.
268,71.141,0.671,15.333,0,0,0,1.351)
> x21 <- c(0,0,1.342,0,0,0,0,0,12.081,0,0,0,0,0.671,0,0,22.667,0,26,0,0,0,0.667,0,0.667,0,0,0,12,
0,0,90.667,0,0,20.667,0.667,2.667,0,0.667,63.333,0,1.342,0,2.685,5.369,0,0,0,0,0,0,0,0,0,0,4.667,
0,0,0,0,0,0,0,0,1.333,0,0,26.667,0,0,10.667,0,2.667,0,0,0,0,0,0,0.667,0,0,0,0,2,0,0,0,0,0.667,0,0,92.
667,0,0.667,0,0,0,0.667,0,0,6,0,0,0,0,0,0,0,0,0,0,0.667,0,0,0,0.671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
,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
,1.399,0,4.895,0,0,2.098,1.399,0.699,0,0,0,0,0,0,0,0,0,0.69,12.414,0.69,91.724,0,0,0.699,0,0,0.699,20
.979,0,0,0,0,0.699,2.098,0,0,0,28.169,5.634,0.704,1.408,3.521,38.732,2.098,0.699,9.155,0,0.704,2.14
3,15.493,0,0,0,0,0,0,0,0,0.714,0,0,0,21.583,4.348,0,1.449,1.46,45.588,0,0,0,0,65.693,0.73,0,77.778,
2.222,77.941,0,0.735,4.412,0,22.222,1.481,0,0.741,4.444,0,0,0,0.741,0.735,0,0,0,0.746,0,0,0,25.95
4,0,0,46.094,4.724,2.4,9.677,1.626,0.84,0,0,0,0.901,0.893,0,0,0,0,8.602,0,0,0,0,0,0,0,0,0,0)
> x22 <- c(5.556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,
0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,4.348,0,0,0,0,0,0,3.488,1.02,0,0,0,877,0.877,0,
0,0,0,2.632,0,10.526,0,0,0,0,0,0,35.345,0,0,0,0,0,0,0,0,0,0,0.862,0,85.47,0,0,77.119,0,0.847,0,0,0,
0,0.813,0,0,0,96.694,0,0,0,0.833,1.653,0,0,0,0,0,0,0,14.876,36.364,0,0,0,0,0,0,0,34.959,1.626,0,0.8
13,0,0,0,0,0,2.439,0,0.813,0,0,0.813,0,0,0,0,0,0,45.669,0,0,0,0,0,0,0,0.781,24.031,2.344,0,0,92.248,9
7.674,0,0,0.775,0,0,16.279,0,0,48.837,89.922,0,8.527,2.326,0,0.769,1.55,2.326,0,0,0,0,0,6.25,0,0,
```

```
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,
0.813,0.8,4.412,1.449,0,0.709,0.68,0,0.68,2.041,44.218,8.904,4.054,6.207,9.655,0,0,0,0,3.846,3.84
6,0.676,0,0,0,2,5.333,0,0,3.333,0,0,0.667,2.667,0,0,0,1.333,0,0,0,0,5.369,0,0,0,56.667,0,0,0,0.66
7,0,0,0.667,0,0.667,0,0,0,0,0,80.667,0,0,0,0,2.667,0,91.946,0,0,0,0,0,0,0,0,0)
> x23 <- 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
,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
,4,0.667,1.333,64.667,0,0,0,2.013,5.369,0,0,0,0,0,0,0,0,0,6.04,0,0,0,0,0,0,1.333,0,0,25.503,0
,0,16.779,0,5.369,0,0,0,0,0,0,0.671,0,0,0,0,0,0,0,3.356,0,0,95.333,0,0,0,0,0,0.667,0,0.667,2.66
7,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1.342,0.671,0,0,0,0,0,0.676,0.676,0.676,0,0.685
,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.
425,2.74,2.055,0,0,0,0,0,0.685,0,0,0,15.172,0,94.483,0,0.69,0,0,4.861,18.75,0.694,0,0,2.098,0,0,0
.694,0,24.306,2.778,0.694,0,2.098,41.958,1.399,2.098,14.685,0,0.699,2.113,18.31,0,0,0,0,0,0.714,0
,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
,3.03,0.758,12.879,1.515,0,0,3.759,0,0,0.746,0,0,0,0,0,0,0,0,23.846,0,0.787,54.331,7.937,2.419,
9.917,0,2.564)
> x24 <- c(0.862,0,0,1.818,0,0,0,0.98,0,9.783,0,0,0,0,1.449,1.961,0,0,0,0,0,0,0,0,0,0,0,0,40,0,0,
0,0,0,0,0,10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,
0,0,0,0,50,0,0,0,0,0,0,5.882,0,0,0,0,0,0,10,0,0,0,0,0,0,0,0,0,0,0,0,0,1.887,0,4.167,0,0,0,0,0.885,0
,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,
0,0,0,97.5,0.833,0,0,0.82,0,0,0,0,0,0,0,15.574,31.148,0,0,0,0,0,0,0,41.803,2.459,0,2.459,0,0,0,0,
0.82,1.639,0,1.639,0,0,0,0,0.806,0,0,0,0,53.226,0,1.613,0,0.806,0,0,0,37.903,0.833,0,0,85.484,95.
968,0,1.613,0,0,0,14.516,0,0,45.161,88.71,0,5.645,4,0,0.787,3.15,0.787,0,0,0,0.775,0,5.426,0,0,0.
775,4.8,2.362,0,0,0,3.846,0,3.876,0.775,6.202,5.426,1,1.961,0.98,0,4.255,1.562,3.704,1.481,0,4.19
6,6.849,0.68,0,0,0,0,0.667,36,9.396,2,7.383,8.054,0,0.671,0,0.667,2.857,6.061,1.333,0.667,0,0,0,2
,0,0,3.333,0,0,1.333,4,0,0,0,2,0,0,0,0,5.333)
> x25 <- c(0,0,0,58.667,0,0,0,2,0,0,0,0,0,0,0,0,0,83.784,0,0,0,0,2.685,0,91.946,0,0,0,0,0,0,0,0
,0,0,0,0,0,0,0,0.667,2,0,0,0,3.333,44.966,70.47,0.671,19.463,0,0,0,2.013,0,0,0,0,0.667,0,0,0,10.0
67,0.671,0,0,0,0,0,0,30.201,0,28.859,0,0,0,2,0,0,0,0.671,0,14.094,0,0,94.631,0,0,21.622,1.351,4.0
82,0,0,65.306,1.361,0.671,0,1.342,4.698,0,0,0,0,0,0.671,0,0,0,0,5.333,0,0,0,0,0,0,0,5.333,0,0,26.
667,0,0,14,0,4,0,1.333,0,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0.671,0,0,94.631,0,0,0,0,0,0,0,0,2.027,1.3
51,0,0,0,0,0,0,0,0,0,0,1.342,0,0,0,0,0,0,0.671,0,3.333,0.667,0,0,0,1.333,0,0,0,0.671,0,1.351,
23.81,0.68,2.899,8.108,2.479,1.504,0,1.351,0,0,2.027,0.676,0,0,0,1.342,0,0,0.676,2.703,22.297,0,0
,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
,2.041,1.361,0,0,0,0,0,0.69,0,0,0,12.414,0,90.345,0,1.379,0.694,0,5.594,20.28,2.098,0,0,0.704,0.7
04,0,1.389,0,25,5.556,0,0.699,1.399,36.364,2.098,0.699,11.888,0,0.699,1.408,19.718,0,0,0,0,0,0,0,
1.389,0,0,0,19.58,4.225,0,3.546,4.255,49.645,0,0,0)
> x26 <- c(0.709,65.248,1.418,0,79.433,0,79.286,0,2.837,2.817,0,19.014,0.699,0,0,4.895,0,0,0,0.70
4,0,0,0,0,0.725,0,0,0,27.407,0,0,44.615,3.077,3.077,4.724,0,1.653,0,0,0,1.709,0.87,0,0,0.926,2.88
5,5.051,0,0,0,0,1.538,2.326,0,8.696,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1.786,0
,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,
0,0,0,27.273,0,0,0,1.587,0,1.587,0,0,0,1.786,0,0,0,0,0,0,0,0,0,0,2,0,0,1.515,0,3.077,0,1.515,1.49
3,37.288,34.375,0,0,0,0,4.762,0,0,5.357,3.509,0,0,1.852,0,0,0,0,8.511,0,0,0,0,7.018,0,0,1.667,0,0
,0,0,0,0,0,0,0,2.439,0,1.136,0,0,0,3.371,2.247,0,0,3.191,1.98,7.547,0,0,0,0,0,1.379,0,0,0,0,0,0,0
,0,0,0,0,0,0,0,0,0,0,0,0,2.721,0,0,0,1.361,0.68,0,95.27,0,2.703,0,0,0,0,0,2.027,0,0,0,0,0,0,0,0
,0,3.333,0,1.333,0,0,0,90.667,0.667,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.667,0,0,0,0.676,0,0,0,0
,0,0.671,75,0,0,0,1.361,0,0,0,0,0,0,0,0,0,0)
> x27 <- 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,
0,0,0,0,0,0,0,0,0,0,0,0,0,0.667,2,0.667,0,0.671,0,1.361,0.893,0.87,1.471,4.054,0,0,0.676,0.671,1.
342,0,0,2.703,9.396,0,0,0,0,0,0,81.208,0,0,0,0,0,0,0,0.671,0,0,0,0.667,0,0,0.667,0,0,0,0,0,0,0,0,
0,0.667,0,0.667,0.667,2,0,0.667,0,0,0,2.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,69.595,0,0,0,0.68,17.687,0,1.
361,0,0,0.68,0,10.959,0,25,0,0,1.37,1.37,8.904,0,0,0,0,0.68,0.68,0,0.68,0.676,0,0,0,0,0.676,1.351
,0,2.027,0.676,0,0,10.274,31.507,1.37,0,0,0,0,0,0,0,0,0,0.685,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,57.534,
0,0,0,0,0,16.901,0,0,0,100,0,0,0,98.63,0,0,0.69,0,0,0,27.586,0,0,0,48.276,0,0,0,0,0,0,0,0,1.399,0
,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
,0,0,0,0,0,0,0,0,0,0,1.205,0,0,0,1.639,0,1.754,14.035,5.263,0,11.111,74.074,0,0,2.222,0,0,0,0,0,2
8.205,4.762,0,0,0,7.143,0,0,0,5.714,6.452,0,0,0,0,0,0,0,0,0,0,0,0)
> x28 <- 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,
0,0,0,0,0,0,0,0,0,40.26,0,80.519,0,0,0,12,0,0,0,1.37,0,0,1.389,0,1.389,0,0,0,0,0,1.961,1.429,0,0,
0,0,0,0,1.613,3.226,0,6.25,0,34.375,50,1.37,0,0,0,6.41,3.896,0,0,3.846,2.632,4.054,0,0,0,0,0,1.85
2,0,0,0,0,0,3.125,1.562,0,1.299,1.299,0,3.529,1.163,1.163,2.273,1.099,0,0,1.053,2.062,1.942,0,0.9
01,3.448,5.983,0.847,0,0,0,0,1.361,0.68,0,2.041,0,0.68,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,2.721,0,0,0.
68,0.685,0.69,0,95.172,0.69,0,0,0,0,0,0,2.055,0,0,0.685,0,0,0,0,0,0,2.685,0,0.671,0,0,0,90.604,1.
342,0,0.671,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.676,0,0,0.676,0,77.703,0,0.676,0,5.405,0,0,
0,0,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0,0,0,8,0,9.333,0,0,0,0,98.667,0,6,0,0,0,1.333,0,0,0,2,0,0,0,0,
0,0,0,0,0,0,0,0,0,0.69,0.694,0.694,0.694,1.399,0,0,0,0.704,0.704,0.694,0,0,1.342,0,0,0.671,0,1.33
3,8.725,0,0,0,0,0,0,88.591,0,0,0,0,0,0,0,0,0,0,0,0.671,0,0,0.671)
> x29 <- c(0,0,0,0,0,0,0,0,0,0.671,0,1.342,0,0.671,0,0,0,0,0,0.671,0,0,0,0,0,0.68,0.676,0,0,0,0,0
,70.47,0,0,0,0,18.919,0.671,0,0,1.342,0,0.671,7.383,0.671,24.832,0,0,0,0.671,11.409,0,0,0,0,0.68,
0.68,0,0,0,0,0,0,0,0,2.041,0,0.68,0,0.685,0,8.904,31.507,0.685,0,0,0,0,0,0,0,0,0,0.699,0,0,0,0,0,
```

```
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,
0,0,47.222,0,0,0,0,0,0,0,0,0.709,0,0,1.418,2.128,0.709,0,0.709,0.709,2.837,0,0,7.801,0,0,0,0.709,
0,0,0,0,77.857,0,0,0,0,15.108,13.043,0,2.206,0,0,0,0,0,0,0,0,0,0,0,2.381,0,0,0,0,1.613,1.639,0,
27.119,5.085,0,78.571,0,0,0,0,10.811,0,0,30,5,0,0,0,8.333,0,0,3.03,0,0,0,0,0,0,0,0,0,0,0,0,0,0,
0,0,0,0,0,0,0,0,0,9.524,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,5.97,0,0,0,0,0,0,2.941,0,0,30.435,0,0,1
.449,0,0,0,0,0,0,60,0,61.429,5.714,0,0,7.246,2.899,1.429,2.857,0,0,1.493,1.515,3.125,0,0,1.961,0,
0,0,0,0,0,10.256,4.545,0,0,0,2.174,10,0,2.273,23.214,31.034)
> x210 <- c(0,0,4.348,0,0,3.333,0,0,1.408,0,1.389,1.099,2.128,0,0,1.02,0,2.02,1.01,0.98,7.692,2.8
04,7.826,0,0,0,0,0,2,0,0,0.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,3.333,0,0,0,0,0.671,0,97.315,0,0
.676,0,0,0,0,0,1.342,0,0,0,0,0,0,0,0,2,0,0.667,0,0,0,94.667,0.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0
,0,0.667,0,0,0,0,0,0,0,0,2,81.333,0,0,0,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.671,0,0,0,2.667,0,4
.667,0,0,0,0,98.667,0.667,2.667,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1.333,0,0,0,0.667,0,0.6
71,0,0,0,0,0,0.667,0,4,0,0,0,0,1.342,0,0,1.333,12.667,0,0,0,0,0,0,92.617,0,0,0,0,0,0,0,0,0,0,0.
667,0,0,0.667,0,0,0,0,0,0,0,0,0,0,1.333,0,0,0,0,0,0,0.667,0,0,0,0,0,0,0,0,0,0,63.333,0,0,
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)
> x211 <- c(0,0,0,0,0,0,0,0,0,0,0,65.101,0,0,0,0,0,16.779,0,0,0,100,0,0,0,97.315,0,0,0,0,0,0,36
.913,0,0,0,45.946,0,0,0,0.676,0,0,0,0,0,0,0,0.69,1.379,0,0,0,2.069,0,0,5.517,0,0,0,0,0,0,0,0,82
.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
.333,0,0,47.727,0,0,0,0,0,0,0,0,0,0,5.556,0,0,0,0,0,0,0,0,0,0,0,0,0,0,83.333,0,16.667,83.333,
80,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,2.299,1.923,0,0,3.03,0,0,2.857,0,0
,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,
20.667,0,0,0,0.667,0,1.333,46.667,0,0,0,0,0,0,0,0,22,0,0,64.667,0,0,2.667,0,0,0,0.671,3.333,0
,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
.333,0,0,0,0,0,0,0,0,0,0,0,0,0,11.333,1.333,0,0,0,11.333,0,2.667,0,0,2.667,0,0,0,0,0,0)
> x212 <- c(0,0,0,0,0,0,0,0,0,0,0,0,0,0,2,0,0,0,0,0,0,0,0,0.667,0,93.333,0.667,2,0.667,0,71.333
,4,0,0,0,10.667,0,0,0,0,0,0,0,0,0.667,0,0,0,1.333,6,28,0,0,0,0,31.333,0,0,2.797,0,0.667,0,0,0,4,0
.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
,0,0,2.013,0,0,4.698,0,0,0,0.667,0.667,0.667,0,0,0,0.671,39.333,0,0,0,0,1.333,0,0,0.667,0,0,0,98.
667,0,0,0,0,0,0,0,0,20.667,0,0.667,0,0.667,18.919,0,6.711,2.013,1.351,0,4.054,0,0,0,0,0,0,0.676,0.6
71,0,0,0,0,0,17.333,0,0,0,0,0,0,0,4.667,0,1.333,2.013,0,0,0.676,0.676,1.361,0,0,0,0,0,0,0,0,0,0.68,
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
,0,0,0.676,0,39.189,0,0,0,0,0,0,4.054,0,0,0,18.243,0,0,0,0,0,13.699,0,0,0,0,0,0,9.589,0,28.082,0,
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)
> x2 <- c(x20,x21,x22,x23,x24,x25,x26,x27,x28,x29,x210,x211,x212) #After
> wilcox.test(x2, x1, alternative = "two.sided", mu = 0, paired = TRUE, exact = FALSE, correct =
TRUE)

        Wilcoxon signed rank test with continuity correction

data:  x2 and x1
V = 640482, p-value < 2.2e-16
alternative hypothesis: true location shift is not equal to 0

>
```