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.

[Previously saved workspace restored]

```
> rm(list = ls())
> x0 < -c(0.983,0,0.06,0.212,0.041,0.184,0.046,0.997,1,0.999,0,0,1,1,0,0.024,0.998,0,0.025,1,0.00
3,0.847,1,0.89,1,0.925,0.342,1,0.005,0.58,0.996,0.999,0.958,0.001,0.084,0.92,0.946,0,0.001,0.045,
0.989, 0.998, 0.989, 0.998, 1, 1, 1, 1, 0.999, 0.017, 1, 1, 1, 0.18, 1, 0, 0.975, 1, 0.986, 0.999, 0.002, 0.998, 0, 1, 0.98
9,0,1,0.948,0.002,0.029,0.999,0.999,0.742,0.997,0.997,1,0.917,0.917,0.064,1,1,0.056,0.001,0.001,0
 .003,1,1,0.003,1,1,0.558,0.004,0.249,1,1,1,0.998,1,1,1,1,0.988,0.033,0.995,0.765,0.995,0.005,0.99
9,0.907,1,0.548,0.269,0.032,0.97,0.918,0.998,0.001,0.573,0.998,0.997,0,0.625,0.037,0.003,0,0,0.76
8, 0.021, 0.095, 0.999, 0.104, 0.984, 0.911, 0.911, 0.768, 0.958, 0.978, 1, 0.998, 0.999, 0.973, 1, 1, 1, 1, 1, 0.309, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 0.910, 
.112,1,1,1,0.004,0.998,0.99,0.201,0.999,0.22,0.986,0.864,0.995,1,0.902,0.997,0.009,1,1,1,1,1,1,1,1,1
1,0,0.013,0.996,0.883,0,0,0.948,0.004,0.482,0.01,0.064,0.999,0.994,0.999,0.998,0.05,0.091,1,1,0.9
92,0.166,0.047,0.057,0.99,0.021,0.998,1,0.997,0.982,0.918,0.93,0.951,0.029,1,0.787,0,0.035,0.009,
0.999, 0.999, 1, 1, 0.999, 1, 1, 0.999, 0.988, 0.948, 1, 0.014, 0.107, 0, 0.996, 0.001, 0.005, 0.001, 0.461, 0.053, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.0
 .996,0.962,1,0.987,0.956,1,0.999,1,0.999,1,0.459,0.129,0.711,0.157,0.006,0.028,0.951,0.994,0.001,
0.046,0.047,0.939,0.002,1,0,0,0.238,0.991,1,0.804,1,0.926,0.096,0.996,0.997,0.009,0.126,0.002,0,0
.999,0.999,0.845,0,0.002,0.011,1,0,0.001,0.006,0.035,0.001,1,1,0.139,1,0.001,0.449,0,0.97,0.999,1
,0.996,0.998,0.992,1,1,0.998,1,0.997,0.998,1,1)
> x1 <- c(0.994,1,1,0.998,0.999,0.82,0.016,0.004,1,0.011,1,0.988,0.853,1,0.998,0.099,0,0.001,0.00</p>
5,0.071,0.999,0.784,0.001,0.727,1,0.609,0.999,0.008,0.187,0.483,1,1,1,1,1,0.012,1,0.001,1,0.299,1
,0.965,0.965,0.997,0,1,0.609,0.853,0,1,1,0.978,0.071,0.999,1,0.001,0.998,0.429,1,0.047,1,0.318,0.
996,0.931,1,0.836,1,0.999,1,0.025,0.999,0.839,0.044,0.984,0.753,0.988,0.002,0.999,0.284,0,0.93,0.
075, 1, 0.994, 0.998, 0.002, 0.551, 0.586, 0, 1, 0.045, 1, 1, 1, 0.521, 0.027, 1, 0.996, 1, 1, 0.005, 0.999, 1, 0.998, 1
,0.053,0.998,0.001,0.28,0,0.003,1,0,0.989,0.673,0.781,0.655,0.999,1,1,0,1,0.812,0.982,0.939,0,1,0
.985, 0.999, 0.991, 0.107, 1, 0.995, 0.994, 1, 0, 1, 0.984, 1, 1, 0.353, 1, 0.995, 0.995, 0.057, 0.001, 0.047, 0.005, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0.007, 0
0.005, 0.994, 0.756, 0.653, 0.756, 1, 0.997, 0.12, 0.978, 0.075, 0.003, 0.592, 0.525, 0.575, 1, 0.029, 0.992, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.048, 0.
6,0.995,0.999,1,1,1,1,0.939,0.863,1,0.258,0.999,0.996,0.997,0.99,0.009,1,1,1,1,1,1,1,0.288,1,0.996,
0.27, 1, 1, 1, 0.129, 1, 1, 0.985, 0.022, 1, 1, 1, 1, 1, 0.91, 1, 1, 1, 0.999, 1, 0, 1, 0.348, 0, 1, 1, 1, 1, 1, 1, 1, 1, 0.324, 0.828
,1,1,1,1,0.006,0,0.453,1,1,1,0.848,1,0.121,1,1,1,1,1,1,1,1,1,1,0.093,0.978,1,1,1,1,1,1,0.007,0.207,0.
882,0.894,0.646,0.997,0.462,1,1,1,1,0.245,0.987,1,0.999,0.989,0.999,0.999,1,1,1,0.988,0.016,0.856
,0.029,1,0.989,0.981,0.999,1,1,1,0.999,0.999,1,1,1,1,0.145,0.994,1,1,0.999,0.999,1,1,1,1,1)
2,1,1,1,1,1,0.999,0.997,0.999,1,1,0.695,1,1,1,0.997,1,0.985,1,1,1,1,1,1,1,1,1,1,0.999,0.994,1,1,0.9
88,0.988,0.662,1,1,1,1,1,1,1,0.999,0.999,0.702,0.998,0.998,0.549,0.383,0.048,1,0.769,1,1,0.805,0.
673,0.991,0,0.998,0.917,1,0.998,1,1,0.86,0.895,0.019,0.88,0.977,1,1,1,1,0.66,1,0.998,1,1,1,1,0.047,
0.923, 1, 1, 1, 0.779, 0.203, 0.626, 0.957, 0.9, 0.907, 0.061, 1, 1, 0.608, 1, 0.941, 0.908, 0.986, 0.982, 0.999, 0.008, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982, 0.982
> x < -c(x0, x1, x2, x3)
> y0 <- c(0.0875,0.0704,0.3871,0.0715,0.1469,0.1301,0.1004,0.2399,0.3157,0.3346,0.0847,0.0847,0.8</p>
814,0.8814,0.1681,0.1328,0.7335,0.0643,0.2664,0.6552,0.0753,0.6001,0.5573,0.4044,0.7465,0.4289,0.
1064, 0.4542, 0.0847, 0.1402, 0.1569, 0.6046, 0.1506, 0.6762, 0.7613, 0.8819, 0.9112, 0.2728, 0.7036, 0.5815, 0
.4774,0.9592,0.4774,0.9592,0.9668,0.9668,0.9668,0.3383,0.1049,0.2685,0.5454,0.2061,0.0771,0.7721,
0.0686, 0.1792, 0.606, 0.5154, 0.4071, 0.0689, 0.9069, 0.1025, 0.8759, 0.8952, 0.0877, 0.5874, 0.5509, 0.0712, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.0689, 0.068
0.0831, 0.9462, 0.9462, 0.2593, 0.4151, 0.4151, 0.7638, 0.7226, 0.7226, 0.1502, 0.8679, 0.8679, 0.0743, 0.0702, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.08679, 0.086799, 0.086799, 0.08679, 0.086790, 0.086790, 0.086790, 0.086790, 0.086790, 0.086790, 0.086790, 0.0867
, 0.0747, 0.0898, 0.5146, 0.9853, 0.1969, 0.9744, 0.9852, 0.9327, 0.3732, 0.356, 0.9929, 0.4289, 0.6004, 0.6816
,0.175,0.7929,0.5143,0.7946,0.205,0.0706,0.2861,0.445,0.8598,0.1387,0.4225,0.3413,0.7539,0.1091,0
```

.0907, 0.0881, 0.1384, 0.1776, 0.2861, 0.0795, 0.1576, 0.1245, 0.1629, 0.0601, 0.1335, 0.087, 0.0796, 0.0648, 0.0796, 0.0881.0705, 0.1256, 0.1574, 0.1903, 0.5828, 0.1611, 0.4124, 0.1809, 0.1809, 0.7403, 0.682, 0.6693, 0.4343, 0.1392, 0.1809.458,0.3618,0.8299,0.9593,0.7287,0.0992,0.5504,0.073,0.8721,0.2207,0.1299,0.063,0.2674,0.1903,0.0 717,0.178,0.0875,0.8105,0.43,0.7746,0.9803,0.9577,0.9803,0.1253,0.7684,0.95,0.882,0.915,0.9077,0. 9077,0.9209,0.6918,0.1197,0.1229,0.7733,0.7994,0.09,0.1524,0.4232,0.0515,0.0936,0.0452,0.0773,0.8 838,0.9047,0.964,0.8035,0.2136,0.3951,0.6989,0.6201,0.3347,0.1018,0.104,0.6283,0.6028,0.3046,0.65 91,0.8274,0.5066,0.4361,0.1503,0.2503,0.4571,0.1488,0.7794,0.4268,0.0559,0.1087,0.0668,0.7441,0.7 648,0.863,0.8151,0.8389,0.6508,0.8117,0.8517,0.2186,0.1379,0.4101,0.0488,0.0678,0.0727,0.266,0.05 36,0.0685,0.0897,0.4139,0.1394,0.1547,0.0903,0.1774,0.3955,0.193,0.4633,0.6847,0.7442,0.5487,0.77 24,0.2417,0.1767,0.0994,0.145,0.1182,0.1016,0.6425,0.7328,0.065,0.0816,0.0782,0.3334,0.1191,0.357 ,0.0728,0.0698,0.2233,0.7565,0.4982,0.26,0.3393,0.2273,0.1435,0.5971,0.7391,0.0683,0.0985,0.0744, 0.0749, 0.7641, 0.6607, 0.1078, 0.0698, 0.0973, 0.098, 0.7277, 0.0694, 0.0866, 0.1188, 0.0703, 0.0864, 0.3017, 0.0698, 0.0703, 0.0864, 0.0973, 0.098, 0.098, 0.0.2698, 0.1014, 0.4373, 0.1549, 0.2356, 0.0688, 0.266, 0.3563, 0.3391, 0.7231, 0.9948, 0.6107, 0.7709, 0.8988, 0.6107, 0.709, 0.8988, 0.709, 0.70.6275, 0.7531, 0.8192, 0.5821, 0.8099, 0.9041) > y1 <- c(0.7959,0.9433,0.8308,0.4849,0.6018,0.166,0.0905,0.1541,0.7114,0.1001,0.3914,0.4022,0.33</p> 45,0.7707,0.8916,0.1337,0.0517,0.079,0.1289,0.6578,0.3637,0.5736,0.0909,0.184,0.6638,0.2145,0.266 , 0.102, 0.1915, 0.1903, 0.8999, 0.1397, 0.5328, 0.7181, 0.543, 0.0773, 0.4774, 0.0675, 0.9217, 0.134, 0.7027, 0.134, 0.1027, 0.102.4233,0.4233,0.5384,0.1148,0.5836,0.1096,0.3546,0.0598,0.6505,0.8192,0.622,0.7843,0.81,0.5453,0.1 323,0.9398,0.0922,0.6408,0.1042,0.7682,0.4531,0.7019,0.9439,0.9276,0.373,0.8918,0.2318,0.966,0.09 04, 0.8088, 0.5337, 0.1325, 0.6355, 0.7218, 0.8627, 0.1813, 0.9895, 0.1889, 0.2971, 0.1547, 0.1121, 0.6412, 0.1889,908, 0.8134, 0.0731, 0.0742, 0.0876, 0.0722, 0.5858, 0.102, 0.7919, 0.926, 0.6468, 0.1362, 0.1348, 0.7452, 0.47 66,0.5673,0.6823,0.0672,0.7492,0.8926,0.7773,0.919,0.1464,0.8577,0.1701,0.2428,0.0738,0.0867,0.94 97,0.0922,0.36,0.1245,0.6974,0.0714,0.6436,0.7827,0.7931,0.0651,0.9026,0.5922,0.4502,0.703,0.0624 ,0.9831,0.8772,0.9814,0.3061,0.1123,0.8785,0.8624,0.802,0.9885,0.0716,0.9718,0.6705,0.9838,0.9536 , 0.2481, 0.9356, 0.7678, 0.7678, 0.2598, 0.3636, 0.2056, 0.1509, 0.1509, 0.7996, 0.7424, 0.183, 0.1332, 0.7091, 0.2884, 0.192, 0.7418, 0.2767, 0.1438, 0.7921, 0.6835, 0.4273, 0.7971, 0.1445, 0.2815, 0.1015, 0.7577, 0.72, 0.4892, 0.9117, 0.797, 0.785, 0.2909, 0.1512, 0.3919, 0.1153, 0.1415, 0.3973, 0.5167, 0.6297, 0.1451, 0.4927, 0. 8236, 0.4312, 0.9586, 0.9211, 0.9457, 0.2204, 0.9751, 0.6862, 0.5014, 0.87, 0.9895, 0.9559, 0.1423, 0.9893, 0.9 59,0.2972,0.1844,0.5764,0.6664,0.9914,0.9788,0.3332,0.6886,0.9555,0.9818,0.3176,0.929,0.0674,0.35 96,0.1,0.0707,0.6841,0.6841,0.1786,0.6712,0.6712,0.3525,0.7705,0.2741,0.2396,0.8699,0.495,0.9816, 0.313, 0.0759, 0.0851, 0.133, 0.2681, 0.5519, 0.4956, 0.1128, 0.9547, 0.3438, 0.9907, 0.9907, 0.9859, 0.992, 0.9992,0.9775,0.9775,0.9806,0.9806,0.3505,0.4323,0.4985,0.975,0.9645,0.9629,0.476,0.0945,0.2732,0.63 7,0.4983,0.1838,0.5601,0.1582,0.4217,0.7842,0.9711,0.9851,0.4161,0.894,0.806,0.7086,0.9333,0.7582 ,0.6404,0.865,0.8337,0.8366,0.4859,0.1153,0.6432,0.1239,0.6658,0.5289,0.2579,0.309,0.9302,0.902,0 .5938,0.7066,0.8311,0.8698,0.7971,0.8354,0.9692,0.3073,0.3963,0.9698,0.9851,0.7848,0.7848,0.9234, 0.9538,0.9041,0.9822,0.9399) > y2 <- c(0.9211,0.8144,0.9955,0.9955,0.5401,0.0972,0.6782,0.6639,0.8456,0.2068,0.2278,0.1234,0.9</p> 601,0.9601,0.1514,0.4763,0.1819,0.9955,0.9955,0.9851,0.9851,0.9851,0.9958,0.9958,0.1749,0.9948,0. 994,0.994,0.9935,0.9935,0.9958,0.9958,0.9934,0.9934,0.9938,0.979,0.979,0.9929,0.9929,0.9885,0.990 3,0.988,0.9716,0.9919,0.9917,0.9894,0.9894,0.9943,0.9968,0.9968,0.9965,0.9944,0.9944,0.2301,0.326 7,0.6555,0.9315,0.9303,0.4976,0.9528,0.9593,0.196,0.6242,0.9036,0.7702,0.9151,0.8814,0.8952,0.717 , 0.5542, 0.9722, 0.944, 0.9489, 0.28, 0.9407, 0.695, 0.695, 0.266, 0.7829, 0.2204, 0.891, 0.6533, 0.6533, 0.943,0.8819,0.8819,0.5366,0.8923,0.9796,0.9336,0.7102,0.9808,0.9808,0.7916,0.7916,0.7131,0.8974,0.961 1,0.9611,0.9853,0.9389,0.6316,0.5084,0.6905,0.6279,0.2032,0.5646,0.5646,0.1886,0.1612,0.2496,0.84 58,0.9212,0.9758,0.9852,0.6753,0.3391,0.4578,0.1005,0.9572,0.1978,0.8108,0.6727,0.967,0.9752,0.31 47,0.1682,0.1092,0.1713,0.5645,0.5544,0.705,0.7301,0.7776,0.0938,0.6756,0.4473,0.4398,0.5957,0.92 73,0.1298,0.6878,0.9607,0.9212,0.9265,0.52,0.2692,0.3025,0.1716,0.148,0.1339,0.0663,0.8066,0.9302 ,0.1792,0.5531,0.8529,0.4078,0.7719,0.393,0.8323,0.1302,0.9919,0.9639,0.9887,0.5838,0.3865,0.1035 ,0.9381,0.9103,0.5031,0.9701,0.9735,0.8559,0.3413,0.5414,0.4467,0.8844,0.3904,0.6079,0.2418,0.384 5,0.9377,0.5111,0.9772,0.9123,0.6226,0.0623,0.9567,0.9432,0.9353,0.968,0.9778,0.9834,0.9824,0.951 8,0.4146,0.4146,0.6376,0.7664,0.9742,0.9809,0.6859,0.2846,0.7809,0.983,0.2736,0.448,0.9639,0.8418 ,0.4817,0.8365,0.9667,0.8368,0.6515,0.2472,0.9881,0.9884,0.9811,0.9891,0.99,0.9841,0.9859,0.9654, 0.9838,0.9684,0.9847,0.9834,0.9731,0.9561,0.9873,0.992,0.9862,0.993,0.9951,0.9922,0.9893,0.0809,0 .46,0.891,0.9921,0.8153,0.8715,0.9454,0.8307,0.1355,0.9761,0.9749,0.9767,0.984,0.9895,0.9777,0.97 19,0.9911,0.9691,0.9758,0.9803,0.9726,0.9842,0.9818,0.9608,0.9915,0.9923,0.986,0.9891,0.9945,0.99 89,0.9803,0.9803,0.0749,0.8173,0.7966,0.817,0.7941,0.7941,0.4972,0.3057,0.4134,0.1588,0.8532,0.91 82,0.7077,0.9744,0.3487,0.0563,0.9691,0.9725,0.9814,0.9761,0.9576,0.9585,0.9773,0.9558,0.9693,0.9 629,0.9629,0.9469,0.9842,0.977,0.9901) > y3 <- c(0.9888,0.6097,0.809,0.9751,0.664,0.6442,0.4325,0.2947,0.9744,0.9883,0.9886,0.9812,0.957</p> 4,0.9881,0.993,0.9894,0.9948,0.981,0.9887,0.9797,0.9959,0.9959,0.9892,0.9892,0.9906) > y < -c(y0,y1,y2,y3)> wilcox.test(x,y)

Wilcoxon rank sum test with continuity correction

data: x and y W = 633231, p-value < 2.2e-16 alternative hypothesis: true location shift is not equal to 0