nohup: ignoring input

Name: bitcoin-alpha0

Type: DiGraph

Number of nodes: 7564

Number of edges: 51100

Average in degree: 6.7557

Average out degree: 6.7557

accuracy is: 0.532120558829 probability is: 0.999735589635

k= 1

RREseeds are: [0]

RRE time: 57.7111170292

the influence of RRE method: 363.031494976

Monte Carlo influence of RRE method: 280.814

Degseeds are: [0]

time: 0.668690919876

influence of degree method: 281.193

ranseeds are: [2906]

time: 0.000759124755859

influence of random method: 105.508

Seeds are: [0]

time of computing single influence: 63.5670118332

k= 2

RREseeds are: [0, 3782]

RRE time: 53.0959618092

the influence of RRE method: 553.788548644

Monte Carlo influence of RRE method: 462.022

Degseeds are: [0, 3782]

time: 0.618980884552

influence of degree method: 457.648

ranseeds are: [2258, 5065]

time: 0.00110411643982

influence of random method: 3.986

Seeds are: [0, 3782]

time of computing single influence: 252.757218838

k= 2 t= 2 y= [1, 1]

method2, the seed allocation is: [[3782], [0]]

fair of method2= 0.979629240405

time of method2: 0.000163078308105

fair of method1(random)= 0.468262776914

method3, the seed allocation is: [[0], [3782]]

fair of method3= 0.979629240405

time of method3: 9.29832458496e-05

k= 2 t= 2 y= [1, 2]

method2, the seed allocation is: [[3782], [0]]

fair of method2= 0.510397178215

time of method2: 0.000140905380249

fair of method1(random)= 0.247134644441

method3, the seed allocation is: [[3782], [0]]

fair of method3= 0.510397178215

time of method3: 8.20159912109e-05

k= 3

RREseeds are: [0, 3560, 3782]

RRE time: 53.3013088703

the influence of RRE method: 683.023610688

Monte Carlo influence of RRE method: 559.284

Degseeds are: [0, 3782, 3560]

time: 0.797956943512

influence of degree method: 557.013

ranseeds are: [5075, 4777, 7334]

time: 0.000285148620605

influence of random method: 16.542

Seeds are: [0, 3560, 3782]

time of computing single influence: 546.088038921

k= 3 t= 2 y= [1, 1]

method2, the seed allocation is: [[3560, 3782], [0]]

fair of method2= 0.632759169429

time of method2: 0.000172138214111

fair of method1(random)= 0.386443441943

method3, the seed allocation is: [[3782], [0, 3560]]

fair of method3= 0.644826671236

time of method3: 9.41753387451e-05

k= 3 t= 2 y= [1, 2]

method2, the seed allocation is: [[3560], [0, 3782]]

fair of method2= 0.565506983963

time of method2: 0.000154972076416

fair of method1(random)= 0.375759367453

method3, the seed allocation is: [[0], [3782, 3560]]

fair of method3= 0.790190050429

time of method3: 9.29832458496e-05

k= 3 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[3560], [0], [3782]]

fair of method2= 0.562266124296

time of method2: 0.000165939331055

fair of method1(random)= 0.118075886102

method3, the seed allocation is: [[3782], [0], [3560]]

fair of method3= 0.562266124296

time of method3: 0.000101089477539

k= 3 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[3560], [0], [3782]]

fair of method2= 0.59283908265

time of method2: 0.000171899795532

fair of method1(random)= 0.0812929946528

method3, the seed allocation is: [[3560], [0], [3782]]

fair of method3= 0.59283908265

time of method3: 0.00010085105896

k= 4

RREseeds are: [0, 3782, 7342, 2222]

RRE time: 53.2534928322

the influence of RRE method: 805.768451005

Monte Carlo influence of RRE method: 645.226

Degseeds are: [0, 3782, 3560, 7342]

time: 0.795140028

influence of degree method: 634.143

ranseeds are: [7495, 5867, 3085, 6849]

time: 0.00118589401245

influence of random method: 31.263

Seeds are: [0, 3782, 7342, 2222]

time of computing single influence: 969.927819967

k= 4 t= 2 y= [1, 1]

method2, the seed allocation is: [[2222, 3782], [7342, 0]]

fair of method2= 0.970848223778

time of method2: 0.000197172164917

fair of method1(random)= 0.490562061173

method3, the seed allocation is: [[0, 2222], [3782, 7342]]

fair of method3= 0.995661688373

time of method3: 0.000108003616333

k= 4 t= 2 y= [1, 2]

method2, the seed allocation is: [[2222, 0], [7342, 3782]]

fair of method2= 0.502178607291

time of method2: 0.000168085098267

fair of method1(random)= 0.423170272293

method3, the seed allocation is: [[3782], [0, 7342, 2222]]

fair of method3= 0.950947855931

time of method3: 0.000126838684082

k= 4 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[2222, 0], [7342], [3782]]

fair of method2= 0.358449767625

time of method2: 0.000162124633789

fair of method1(random)= 0.194165787707

method3, the seed allocation is: [[0], [3782], [7342, 2222]]

fair of method3= 0.92286043185

time of method3: 0.000102043151855

k= 4 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[2222], [7342, 0], [3782]]

fair of method2= 0.423406079282

time of method2: 0.000161170959473

fair of method1(random)= 0.142157610092

method3, the seed allocation is: [[7342], [3782], [0, 2222]]

fair of method3= 0.900973449134

time of method3: 0.000102996826172

k= 4 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[2222], [7342], [3782], [0]]

fair of method2= 0.51848170271

time of method2: 0.000176906585693

fair of method1(random)= 0.0440709447303

method3, the seed allocation is: [[0], [3782], [7342], [2222]]

fair of method3= 0.51848170271

time of method3: 0.000110149383545

k= 4 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[2222], [7342], [3782], [0]]

fair of method2= 0.482177092641

time of method2: 0.000185966491699

fair of method1(random)= 0.0249629017329

method3, the seed allocation is: [[2222], [7342], [3782], [0]]

fair of method3= 0.482177092641

time of method3: 0.000109910964966

k= 5

RREseeds are: [0, 3560, 6004, 2788, 3782]

RRE time: 56.2455320358

the influence of RRE method: 903.498459975

Monte Carlo influence of RRE method: 725.762

Degseeds are: [0, 3782, 3560, 7342, 6004]

time: 0.829463005066

influence of degree method: 714.358

ranseeds are: [3999, 1048, 7033, 1579, 7372]

time: 0.0011842250824

influence of random method: 25.993

Seeds are: [0, 3560, 6004, 2788, 3782]

time of computing single influence: 1514.69377899

k= 5 t= 2 y= [1, 1]

method2, the seed allocation is: [[2788, 3560, 0], [6004, 3782]]

fair of method2= 0.729986449864

time of method2: 0.000214815139771

fair of method1(random)= 0.475291285895

method3, the seed allocation is: [[0, 6004], [3782, 3560, 2788]]

fair of method3= 0.759882190232

time of method3: 0.000118970870972

k= 5 t= 2 y= [1, 2]

method2, the seed allocation is: [[2788, 3782], [6004, 3560, 0]]

fair of method2= 0.715385445291

time of method2: 0.00018310546875

fair of method1(random)= 0.432242896312

method3, the seed allocation is: [[3782, 2788], [0, 3560, 6004]]

fair of method3= 0.715385445291

time of method3: 0.000120878219604

k= 5 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[2788, 3782], [6004, 0], [3560]]

fair of method2= 0.363211996614

time of method2: 0.00019907951355

fair of method1(random)= 0.238664459996

method3, the seed allocation is: [[0], [3782, 2788], [3560, 6004]]

fair of method3= 0.687071225035

time of method3: 0.000126838684082

k= 5 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[2788], [6004, 0], [3560, 3782]]

fair of method2= 0.641788608054

time of method2: 0.00019907951355

fair of method1(random)= 0.198534452159

method3, the seed allocation is: [[3560], [3782, 2788], [0, 6004]]

fair of method3= 0.699705741116

time of method3: 0.000138998031616

k= 5 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[2788, 0], [6004], [3560], [3782]]

fair of method2= 0.354037016835

time of method2: 0.000217914581299

fair of method1(random)= 0.0901337690895

method3, the seed allocation is: [[0], [3782], [3560], [6004, 2788]]

fair of method3= 0.545145979108

time of method3: 0.000136852264404

k= 5 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[2788], [6004], [3560, 0], [3782]]

fair of method2= 0.46560857955

time of method2: 0.0002281665802

fair of method1(random)= 0.0572125235651

method3, the seed allocation is: [[6004], [3560], [3782], [0, 2788]]

fair of method3= 0.525828336324

time of method3: 0.000136137008667

k= 6

RREseeds are: [0, 2788, 3782, 6004, 556, 7342]

RRE time: 57.1727991104

the influence of RRE method: 975.065513202

Monte Carlo influence of RRE method: 801.19

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222]

time: 0.769243001938

influence of degree method: 766.174

ranseeds are: [5117, 6062, 5736, 2080, 302, 6]

time: 0.000308990478516

influence of random method: 23.952

Seeds are: [0, 2788, 3782, 6004, 556, 7342]

time of computing single influence: 2207.97308707

k= 6 t= 2 y= [1, 1]

method2, the seed allocation is: [[556, 6004, 3782], [2788, 7342, 0]]

fair of method2= 0.977555644283

time of method2: 0.000223159790039

fair of method1(random)= 0.553471236499

method3, the seed allocation is: [[0, 6004, 2788], [3782, 7342, 556]]

fair of method3= 0.991378223353

time of method3: 0.000128984451294

k= 6 t= 2 y= [1, 2]

method2, the seed allocation is: [[556, 7342], [2788, 6004, 3782, 0]]

fair of method2= 0.682392829331

time of method2: 0.000195980072021

fair of method1(random)= 0.437185146915

method3, the seed allocation is: [[3782, 2788], [0, 7342, 6004, 556]]

fair of method3= 0.859993630904

time of method3: 0.000124931335449

k= 6 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[556, 7342], [2788, 3782], [6004, 0]]

fair of method2= 0.673089688395

time of method2: 0.000207901000977

fair of method1(random)= 0.282181112872

method3, the seed allocation is: [[0, 556], [3782, 2788], [7342, 6004]]

fair of method3= 0.728845503938

time of method3: 0.000137090682983

k= 6 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[556], [2788, 3782], [6004, 7342, 0]]

fair of method2= 0.645520836041

time of method2: 0.000210046768188

fair of method1(random)= 0.203109278093

method3, the seed allocation is: [[7342], [3782, 2788], [0, 6004, 556]]

fair of method3= 0.738392648244

time of method3: 0.000136852264404

k= 6 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[556, 3782], [2788, 0], [6004], [7342]]

fair of method2= 0.357421509168

time of method2: 0.000234127044678

fair of method1(random)= 0.130371167703

method3, the seed allocation is: [[0], [3782], [7342, 556], [6004, 2788]]

fair of method3= 0.949316549109

time of method3: 0.00014591217041

k= 6 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[556], [2788], [6004, 0], [7342, 3782]]

fair of method2= 0.492959015305

time of method2: 0.000224828720093

fair of method1(random)= 0.0752161046891

method3, the seed allocation is: [[6004], [7342, 556], [3782], [0, 2788]]

fair of method3= 0.613698720903

time of method3: 0.000147104263306

k= 7

RREseeds are: [0, 4338, 6004, 3894, 3782, 3560, 2788]

RRE time: 59.9018149376

the influence of RRE method: 1058.67640124

Monte Carlo influence of RRE method: 852.102

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788]

time: 0.78058719635

influence of degree method: 837.505

ranseeds are: [6511, 7078, 5369, 4433, 25, 5116, 1300]

time: 0.000752925872803

influence of random method: 104.084

Seeds are: [0, 4338, 6004, 3894, 3782, 3560, 2788]

time of computing single influence: 2984.59371614

k= 7 t= 2 y= [1, 1]

method2, the seed allocation is: [[3894, 2788, 3560, 0], [4338, 6004, 3782]]

fair of method2= 0.782711511748

time of method2: 0.000225067138672

fair of method1(random)= 0.55398421909

method3, the seed allocation is: [[0, 6004, 4338], [3782, 3560, 2788, 3894]]

fair of method3= 0.815832799507

time of method3: 0.000142097473145

k= 7 t= 2 y= [1, 2]

method2, the seed allocation is: [[3894, 6004, 0], [4338, 2788, 3560, 3782]]

fair of method2= 0.623542340651

time of method2: 0.00020694732666

fair of method1(random)= 0.470882688737

method3, the seed allocation is: [[3782, 2788], [0, 3560, 6004, 4338, 3894]]

fair of method3= 0.961533767191

time of method3: 0.000139951705933

k= 7 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[3894, 6004, 0], [4338, 3560], [2788, 3782]]

fair of method2= 0.517514138246

time of method2: 0.000224113464355

fair of method1(random)= 0.304972612062

method3, the seed allocation is: [[0, 4338], [3782, 2788], [3560, 6004, 3894]]

fair of method3= 0.950934759937

time of method3: 0.000161170959473

k= 7 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[3894, 0], [4338, 3560], [2788, 6004, 3782]]

fair of method2= 0.349336191721

time of method2: 0.000225067138672

fair of method1(random)= 0.231139654469

method3, the seed allocation is: [[3560, 3894], [3782, 2788], [0, 6004, 4338]]

fair of method3= 0.662558223208

time of method3: 0.000148773193359

k= 7 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[3894, 3560], [4338, 3782], [2788, 0], [6004]]

fair of method2= 0.344541979097

time of method2: 0.000230073928833

fair of method1(random)= 0.158936440434

method3, the seed allocation is: [[0], [3782, 3894], [3560, 4338], [6004, 2788]]

fair of method3= 0.699249206884

time of method3: 0.000145196914673

k= 7 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[3894], [4338, 0], [2788, 3782], [6004, 3560]]

fair of method2= 0.357517140139

time of method2: 0.000217914581299

fair of method1(random)= 0.106097297991

method3, the seed allocation is: [[6004], [3560, 4338], [3782, 3894], [0, 2788]]

fair of method3= 0.725600986723

time of method3: 0.000144004821777

k= 8

RREseeds are: [0, 3894, 2788, 3782, 3158, 6004, 556, 7342]

RRE time: 60.1781849861

the influence of RRE method: 1123.40038328

Monte Carlo influence of RRE method: 896.783

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158]

time: 0.803666830063

influence of degree method: 894.139

ranseeds are: [3031, 6966, 4386, 2767, 1976, 7317, 6597, 5666]

time: 0.000750064849854

influence of random method: 32.855

Seeds are: [0, 3894, 2788, 3782, 3158, 6004, 556, 7342]

time of computing single influence: 3881.85984492

k= 8 t= 2 y= [1, 1]

method2, the seed allocation is: [[3158, 556, 6004, 3782], [3894, 2788, 7342, 0]]

fair of method2= 0.970965637896

time of method2: 0.000235080718994

fair of method1(random)= 0.577029034141

method3, the seed allocation is: [[0, 6004, 2788, 3158], [3782, 7342, 556, 3894]]

fair of method3= 0.999190013046

time of method3: 0.000153064727783

k= 8 t= 2 y= [1, 2]

method2, the seed allocation is: [[3158, 2788, 3782], [3894, 556, 6004, 7342, 0]]

fair of method2= 0.779937559709

time of method2: 0.00021505355835

fair of method1(random)= 0.48769067075

method3, the seed allocation is: [[3782, 2788, 3158], [0, 7342, 6004, 556, 3894]]

fair of method3= 0.779937559709

time of method3: 0.000149965286255

k= 8 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[3158, 2788, 3782], [3894, 6004, 0], [556, 7342]]

fair of method2= 0.512452565615

time of method2: 0.000241994857788

fair of method1(random)= 0.334372874975

method3, the seed allocation is: [[0, 556], [3782, 2788, 3158], [7342, 6004, 3894]]

fair of method3= 0.779693446145

time of method3: 0.000158071517944

k= 8 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[3158, 3782], [3894, 6004, 0], [556, 2788, 7342]]

fair of method2= 0.348483778311

time of method2: 0.000247955322266

fair of method1(random)= 0.251439837399

method3, the seed allocation is: [[7342, 3894], [3782, 2788], [0, 6004, 556, 3158]]

fair of method3= 0.756432136449

time of method3: 0.000158071517944

k= 8 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[3158, 6004], [3894, 7342], [556, 3782], [2788, 0]]

fair of method2= 0.627110629693

time of method2: 0.000263929367065

fair of method1(random)= 0.185275315925

method3, the seed allocation is: [[0], [3782, 3158], [7342, 556], [6004, 2788, 3894]]

fair of method3= 0.704836450407

time of method3: 0.000169038772583

k= 8 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[3158], [3894, 3782], [556, 7342], [2788, 6004, 0]]

fair of method2= 0.469233689005

time of method2: 0.000249147415161

fair of method1(random)= 0.11915185477

method3, the seed allocation is: [[6004], [7342, 556], [3782, 3894], [0, 2788, 3158]]

fair of method3= 0.934469678309

time of method3: 0.000174999237061

k= 9

RREseeds are: [0, 2788, 3894, 3782, 3560, 556, 6004, 3158.0, 4893]

RRE time: 62.3880209923

the influence of RRE method: 1176.80224503

Monte Carlo influence of RRE method: 952.002

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570]

time: 0.806846141815

influence of degree method: 945.754

ranseeds are: [4672, 5619, 4094, 4517, 4548, 7055, 1020, 5455, 2724]

time: 0.000750780105591

influence of random method: 47.982

Seeds are: [0, 2788, 3894, 3782, 3560, 556, 6004, 3158.0, 4893]

time of computing single influence: 4832.56750798

k= 9 t= 2 y= [1, 1]

method2, the seed allocation is: [[4893, 3894, 556, 3560, 3782], [3158.0, 2788, 6004, 0]]

fair of method2= 0.833874985387

time of method2: 0.000257015228271

fair of method1(random)= 0.595124803178

method3, the seed allocation is: [[3782, 6004, 556, 3894], [0, 3560, 2788, 3158.0, 4893]]

fair of method3= 0.865483338639

time of method3: 0.000149011611938

k= 9 t= 2 y= [1, 2]

method2, the seed allocation is: [[4893, 2788, 3560, 3782], [3158.0, 3894, 556, 6004, 0]]

fair of method2= 0.594252839025

time of method2: 0.000216007232666

fair of method1(random)= 0.490683696471

method3, the seed allocation is: [[0, 556, 3158.0], [3782, 3560, 6004, 2788, 3894, 4893]]

fair of method3= 0.885000095081

time of method3: 0.000147104263306

k= 9 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[4893, 2788, 3560], [3158.0, 556, 0], [3894, 6004, 3782]]

fair of method2= 0.707938713187

time of method2: 0.000220060348511

fair of method1(random)= 0.33801167627

method3, the seed allocation is: [[3782, 2788, 3158.0], [0, 556, 4893], [3560, 6004, 3894]]

fair of method3= 0.803038458581

time of method3: 0.000154972076416

k= 9 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[4893, 3560], [3158.0, 556, 0], [3894, 2788, 6004, 3782]]

fair of method2= 0.849063728407

time of method2: 0.000216007232666

fair of method1(random)= 0.275578211336

method3, the seed allocation is: [[3560, 3894], [0, 556, 4893], [3782, 6004, 2788, 3158.0]]

fair of method3= 0.80278394972

time of method3: 0.000155925750732

k= 9 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[4893, 556, 3782], [3158.0, 6004], [3894, 3560], [2788, 0]]

fair of method2= 0.497348556773

time of method2: 0.000248908996582

fair of method1(random)= 0.194039932432

method3, the seed allocation is: [[3782], [0, 4893], [3560, 2788, 3158.0], [6004, 556, 3894]]

fair of method3= 0.70647755024

time of method3: 0.000163078308105

k= 9 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[4893], [3158.0, 3560], [3894, 6004, 3782], [2788, 556, 0]]

fair of method2= 0.597310510243

time of method2: 0.000243902206421

fair of method1(random)= 0.140285111923

method3, the seed allocation is: [[6004], [3560, 2788], [0, 3894], [3782, 556, 3158.0, 4893]]

fair of method3= 0.844507760321

time of method3: 0.00016188621521

k= 10

RREseeds are: [0, 2788, 3894, 3782, 3560, 6570, 556, 7342, 6004, 3158]

RRE time: 66.2912681103

the influence of RRE method: 1236.61803513

Monte Carlo influence of RRE method: 1006.276

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940]

time: 0.942623138428

influence of degree method: 980.955

ranseeds are: [4321, 2853, 7439, 6125, 4846, 1763, 5524, 345, 6083, 2273]

time: 0.000317096710205

influence of random method: 36.382

Seeds are: [0, 2788, 3894, 3782, 3560, 6570, 556, 7342, 6004, 3158]

time of computing single influence: 6563.46110892

k= 10 t= 2 y= [1, 1]

method2, the seed allocation is: [[3158, 3894, 556, 3560, 3782], [2788, 6570, 7342, 6004, 0]]

fair of method2= 0.966869282141

time of method2: 0.000266075134277

fair of method1(random)= 0.61874762072

method3, the seed allocation is: [[0, 3560, 556, 3894, 2788], [3782, 6004, 7342, 6570, 3158]]

fair of method3= 0.994052186917

time of method3: 0.000170946121216

k= 10 t= 2 y= [1, 2]

method2, the seed allocation is: [[3158, 6570, 3560, 0], [2788, 3894, 556, 7342, 6004, 3782]]

fair of method2= 0.697417041553

time of method2: 0.000231981277466

fair of method1(random)= 0.484657136537

method3, the seed allocation is: [[3782, 7342, 3894], [0, 6004, 3560, 556, 6570, 2788, 3158]]

fair of method3= 0.994155981674

time of method3: 0.000166893005371

k= 10 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[3158, 6570, 3560, 0], [2788, 556, 6004], [3894, 7342, 3782]]

fair of method2= 0.593433790072

time of method2: 0.000264167785645

fair of method1(random)= 0.380648492761

method3, the seed allocation is: [[0, 556, 3158], [3782, 7342, 3894], [6004, 3560, 6570, 2788]]

fair of method3= 0.990617401771

time of method3: 0.000176906585693

k= 10 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[3158, 3560], [2788, 556, 6004, 0], [3894, 6570, 7342, 3782]]

fair of method2= 0.652048250935

time of method2: 0.00025200843811

fair of method1(random)= 0.28270405828

method3, the seed allocation is: [[6004, 6570], [3782, 7342, 2788], [0, 3560, 556, 3894, 3158]]

fair of method3= 0.986110592872

time of method3: 0.000160932540894

k= 10 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[3158, 556, 3782], [2788, 7342, 0], [3894, 3560], [6570, 6004]]

fair of method2= 0.489128428027

time of method2: 0.000243186950684

fair of method1(random)= 0.23851539973

method3, the seed allocation is: [[0, 3158], [3782, 6570], [6004, 556, 3894], [3560, 7342, 2788]]

fair of method3= 0.987129799164

time of method3: 0.000170946121216

k= 10 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[3158], [2788, 3560], [3894, 7342, 3782], [6570, 556, 6004, 0]]

fair of method2= 0.666716707191

time of method2: 0.000241041183472

fair of method1(random)= 0.160287373167

method3, the seed allocation is: [[3560], [6004, 556, 3158], [3782, 6570, 2788], [0, 7342, 3894]]

fair of method3= 0.698126274409

time of method3: 0.000165939331055

k= 11

RREseeds are: [0, 2788, 3782, 3560, 6570, 334, 4338, 6004, 3894, 1111, 6940]

RRE time: 69.0916059017

the influence of RRE method: 1267.33372141

Monte Carlo influence of RRE method: 1037.978

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112]

time: 0.938277006149

influence of degree method: 1027.387

ranseeds are: [919, 1768, 1393, 5948, 6231, 106, 2876, 4815, 528, 7247, 1621]

time: 0.000334024429321

influence of random method: 29.825

Seeds are: [0, 2788, 3782, 3560, 6570, 334, 4338, 6004, 3894, 1111, 6940]

time of computing single influence: 7307.74575901

k= 11 t= 2 y= [1, 1]

method2, the seed allocation is: [[334, 6940, 6570, 4338, 3560, 0], [1111, 3894, 2788, 6004, 3782]]

fair of method2= 0.8853645961

time of method2: 0.000260829925537

fair of method1(random)= 0.606439399783

method3, the seed allocation is: [[0, 6004, 4338, 6570, 1111, 334], [3782, 3560, 2788, 3894, 6940]]

fair of method3= 0.923848393685

time of method3: 0.000174999237061

k= 11 t= 2 y= [1, 2]

method2, the seed allocation is: [[334, 3894, 4338, 3782], [1111, 6940, 6570, 2788, 6004, 3560, 0]]

fair of method2= 0.863307206736

time of method2: 0.000249147415161

fair of method1(random)= 0.507992645436

method3, the seed allocation is: [[3782, 4338, 3894], [0, 3560, 6004, 2788, 6570, 6940, 1111, 334]]

fair of method3= 0.939196205034

time of method3: 0.000180006027222

k= 11 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[334, 3894, 4338, 3782], [1111, 6570, 6004, 0], [6940, 2788, 3560]]

fair of method2= 0.60127876658

time of method2: 0.000275850296021

fair of method1(random)= 0.389084983816

method3, the seed allocation is: [[0, 2788, 3894], [3782, 4338, 6940], [3560, 6004, 6570, 1111, 334]]

fair of method3= 0.882880938382

time of method3: 0.000185012817383

k= 11 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[334, 2788], [1111, 6570, 6004, 0], [6940, 3894, 4338, 3560, 3782]]

fair of method2= 0.622999659903

time of method2: 0.000275850296021

fair of method1(random)= 0.285029780961

method3, the seed allocation is: [[3560, 6570], [3782, 4338, 6940], [0, 6004, 2788, 3894, 1111, 334]]

fair of method3= 0.924146235055

time of method3: 0.000182867050171

k= 11 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[334, 6570, 3560], [1111, 2788, 3782], [6940, 4338, 0], [3894, 6004]]

fair of method2= 0.49798654711

time of method2: 0.000281095504761

fair of method1(random)= 0.243332590102

method3, the seed allocation is: [[0, 1111, 334], [3782, 6940], [3560, 2788, 3894], [6004, 4338, 6570]]

fair of method3= 0.840022599085

time of method3: 0.000192165374756

k= 11 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[334, 3560], [1111, 4338], [6940, 2788, 3782], [3894, 6570, 6004, 0]]

fair of method2= 0.519963332654

time of method2: 0.000273942947388

fair of method1(random)= 0.166380469105

method3, the seed allocation is: [[6004], [3560, 2788, 334], [3782, 6570, 1111], [0, 4338, 3894, 6940]]

fair of method3= 0.813650753451

time of method3: 0.000202894210815

k= 12

RREseeds are: [0, 2788, 3782, 3560, 6570, 556, 7342, 112, 6004, 3158, 4116, 4893]

RRE time: 72.9609119892

the influence of RRE method: 1314.82122362

Monte Carlo influence of RRE method: 1089.692

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894]

time: 0.637627124786

influence of degree method: 1054.286

ranseeds are: [7213, 6063, 7342, 856, 5203, 5334, 4401, 39, 5026, 5090, 1735, 6603]

time: 0.000740051269531

influence of random method: 278.102

Seeds are: [0, 2788, 3782, 3560, 6570, 556, 7342, 112, 6004, 3158, 4116, 4893]

time of computing single influence: 9207.99053407

k= 12 t= 2 y= [1, 1]

method2, the seed allocation is: [[4116, 3158, 6570, 2788, 3560, 3782], [4893, 556, 112, 7342, 6004, 0]]

fair of method2= 0.937699765824

time of method2: 0.000275135040283

fair of method1(random)= 0.632203696764

method3, the seed allocation is: [[0, 3560, 2788, 112, 556, 4116], [3782, 6004, 7342, 6570, 3158, 4893]]

fair of method3= 0.971588532661

time of method3: 0.000192165374756

k= 12 t= 2 y= [1, 2]

method2, the seed allocation is: [[4116, 556, 2788, 6004, 0], [4893, 3158, 6570, 112, 7342, 3560, 3782]]

fair of method2= 0.676719291763

time of method2: 0.000257015228271

fair of method1(random)= 0.493437123347

method3, the seed allocation is: [[3782, 7342, 556, 4116], [0, 6004, 3560, 2788, 112, 6570, 3158, 4893]]

fair of method3= 0.955294395057

time of method3: 0.000190019607544

k= 12 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[4116, 556, 2788, 6004], [4893, 6570, 7342, 3782], [3158, 112, 3560, 0]]

fair of method2= 0.71308060262

time of method2: 0.000277042388916

fair of method1(random)= 0.407067301452

method3, the seed allocation is: [[0, 112, 6570], [3782, 7342, 556, 4116], [6004, 3560, 2788, 3158, 4893]]

fair of method3= 0.841899650817

time of method3: 0.000197887420654

k= 12 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[4116, 112, 0], [4893, 6570, 7342, 3782], [3158, 556, 2788, 3560, 6004]]

fair of method2= 0.446134788127

time of method2: 0.000272989273071

fair of method1(random)= 0.287201627888

method3, the seed allocation is: [[6004, 112], [3782, 7342, 556, 4116], [0, 3560, 2788, 6570, 3158, 4893]]

fair of method3= 0.88700412525

time of method3: 0.000213146209717

k= 12 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[4116, 6570, 3560], [4893, 112, 6004], [3158, 2788, 3782], [556, 7342, 0]]

fair of method2= 0.628512578271

time of method2: 0.000303983688354

fair of method1(random)= 0.271460101595

method3, the seed allocation is: [[0, 3158], [3782, 556, 4116], [6004, 2788, 112], [3560, 7342, 6570, 4893]]

fair of method3= 0.793526950384

time of method3: 0.000208139419556

k= 12 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[4116, 3560], [4893, 2788, 0], [3158, 112, 6004], [556, 6570, 7342, 3782]]

fair of method2= 0.502477785291

time of method2: 0.000303030014038

fair of method1(random)= 0.166729500011

method3, the seed allocation is: [[3560, 4116], [6004, 2788, 4893], [3782, 112, 556], [0, 7342, 6570, 3158]]

fair of method3= 0.766270413479

time of method3: 0.000208854675293

k= 13

RREseeds are: [0, 2788, 3782, 3560, 6570, 7342, 112, 4338, 6004, 1111, 856, 4116, 6940]

RRE time: 75.387775898

the influence of RRE method: 1362.492466

Monte Carlo influence of RRE method: 1117.92

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638]

time: 0.932589054108

influence of degree method: 1099.243

ranseeds are: [4586, 1872, 6295, 6526, 6435, 4176, 2012, 2123, 924, 4277, 3374, 7199, 4181]

time: 0.000360012054443

influence of random method: 72.762

Seeds are: [0, 2788, 3782, 3560, 6570, 7342, 112, 4338, 6004, 1111, 856, 4116, 6940]

time of computing single influence: 10582.9087059

k= 13 t= 2 y= [1, 1]

method2, the seed allocation is: [[4116, 1111, 112, 6570, 7342, 6004, 0], [856, 6940, 4338, 2788, 3560, 3782]]

fair of method2= 0.892960810536

time of method2: 0.000287055969238

fair of method1(random)= 0.638764481247

method3, the seed allocation is: [[0, 3560, 2788, 6570, 6940, 1111, 4116], [3782, 6004, 7342, 4338, 112, 856]]

fair of method3= 0.920646682174

time of method3: 0.000209093093872

k= 13 t= 2 y= [1, 2]

method2, the seed allocation is: [[4116, 6940, 6570, 3560, 0], [856, 1111, 112, 4338, 2788, 7342, 6004, 3782]]

fair of method2= 0.756658511439

time of method2: 0.000266075134277

fair of method1(random)= 0.499739807953

method3, the seed allocation is: [[3782, 7342, 112, 856], [0, 6004, 3560, 2788, 6570, 4338, 6940, 1111, 4116]]

fair of method3= 0.972308901703

time of method3: 0.000185012817383

k= 13 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[4116, 6940, 6570, 3560, 0], [856, 112, 2788, 6004], [1111, 4338, 7342, 3782]]

fair of method2= 0.655125928714

time of method2: 0.000263214111328

fair of method1(random)= 0.415808698044

method3, the seed allocation is: [[0, 6570, 112, 4116], [3782, 7342, 6940, 856], [6004, 3560, 2788, 4338, 1111]]

fair of method3= 0.964771510433

time of method3: 0.00019097328186

k= 13 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[4116, 6570, 3782], [856, 112, 2788, 6004], [1111, 6940, 4338, 7342, 3560, 0]]

fair of method2= 0.505769036399

time of method2: 0.000268936157227

fair of method1(random)= 0.297327643855

method3, the seed allocation is: [[6004, 2788, 856], [3782, 7342, 112, 4116], [0, 3560, 6570, 4338, 6940, 1111]]

fair of method3= 0.806019845827

time of method3: 0.000185012817383

k= 13 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[4116, 112, 7342, 0], [856, 4338, 3560], [1111, 6570, 6004], [6940, 2788, 3782]]

fair of method2= 0.58956424614

time of method2: 0.000268220901489

fair of method1(random)= 0.266453225879

method3, the seed allocation is: [[0, 6940], [3782, 112, 4116], [6004, 2788, 6570, 1111], [3560, 7342, 4338, 856]]

fair of method3= 0.807075519327

time of method3: 0.00019383430481

k= 13 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[4116, 3560], [856, 6570, 3782], [1111, 4338, 7342, 0], [6940, 112, 2788, 6004]]

fair of method2= 0.491425547779

time of method2: 0.000268936157227

fair of method1(random)= 0.177258571307

method3, the seed allocation is: [[3560, 856], [6004, 7342, 1111], [3782, 6570, 6940], [0, 2788, 4338, 112, 4116]]

fair of method3= 0.705249810317

time of method3: 0.000205993652344

k= 14

RREseeds are: [0, 2788, 3894, 3782, 3560, 6570, 556, 7342, 4338, 6004, 3158, 856, 4116, 4893]

RRE time: 77.5155129433

the influence of RRE method: 1398.72442141

Monte Carlo influence of RRE method: 1167.461

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856]

time: 0.645619869232

influence of degree method: 1125.227

ranseeds are: [2460, 163, 4997, 6513, 6044, 5344, 4769, 2178, 3361, 1396, 1967, 4446, 3999, 2062]

time: 0.000787973403931

influence of random method: 80.482

Seeds are: [0, 2788, 3894, 3782, 3560, 6570, 556, 7342, 4338, 6004, 3158, 856, 4116, 4893]

time of computing single influence: 12652.462456

k= 14 t= 2 y= [1, 1]

method2, the seed allocation is: [[4116, 856, 4338, 3894, 6570, 6004, 3782], [4893, 3158, 2788, 556, 7342, 3560, 0]]

fair of method2= 0.952362303216

time of method2: 0.00031304359436

fair of method1(random)= 0.662000412892

method3, the seed allocation is: [[0, 6004, 7342, 3894, 4338, 856, 4893], [3782, 3560, 6570, 556, 2788, 3158, 4116]]

fair of method3= 0.974817445686

time of method3: 0.00021505355835

k= 14 t= 2 y= [1, 2]

method2, the seed allocation is: [[4116, 3158, 3894, 7342, 3782], [4893, 856, 4338, 2788, 556, 6570, 6004, 3560, 0]]

fair of method2= 0.861717308939

time of method2: 0.00028395652771

fair of method1(random)= 0.525166357723

method3, the seed allocation is: [[3782, 6570, 2788, 856, 4116], [0, 3560, 6004, 7342, 556, 3894, 4338, 3158, 4893]]

fair of method3= 0.893565029952

time of method3: 0.000224828720093

k= 14 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[4116, 3158, 3894, 7342, 3782], [4893, 4338, 556, 6004, 0], [856, 2788, 6570, 3560]]

fair of method2= 0.649035250906

time of method2: 0.000303030014038

fair of method1(random)= 0.429723128546

method3, the seed allocation is: [[0, 556, 3894, 3158], [3782, 6570, 2788, 856, 4116], [3560, 6004, 7342, 4338, 4893]]

fair of method3= 0.89264775283

time of method3: 0.000226020812988

k= 14 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[4116, 3894, 3560], [4893, 4338, 556, 6004, 0], [856, 3158, 2788, 6570, 7342, 3782]]

fair of method2= 0.775188683245

time of method2: 0.000313997268677

fair of method1(random)= 0.304902660318

method3, the seed allocation is: [[3560, 556, 3158], [3782, 6570, 2788, 856], [0, 6004, 7342, 3894, 4338, 4893, 4116]]

fair of method3= 0.845006330798

time of method3: 0.000201940536499

k= 14 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[4116, 4338, 6570, 3782], [4893, 2788, 7342, 0], [856, 3894, 6004], [3158, 556, 3560]]

fair of method2= 0.569360695449

time of method2: 0.000286102294922

fair of method1(random)= 0.284957730976

method3, the seed allocation is: [[0, 4338, 4893], [3782, 2788, 4116], [3560, 6570, 556, 3158], [6004, 7342, 3894, 856]]

fair of method3= 0.946784169049

time of method3: 0.000211000442505

k= 14 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[4116, 7342], [4893, 3894, 3560], [856, 2788, 6570, 3782], [3158, 4338, 556, 6004, 0]]

fair of method2= 0.852197301176

time of method2: 0.000286817550659

fair of method1(random)= 0.185117338349

method3, the seed allocation is: [[6004, 3158], [3560, 7342, 856], [3782, 556, 4338, 4116], [0, 6570, 3894, 2788, 4893]]

fair of method3= 0.745217378259

time of method3: 0.000211000442505

k= 15

RREseeds are: [0, 2788, 3782, 3560, 6570, 556, 2222, 112, 4338, 6004, 7342, 4116, 6940, 4893, 4638]

RRE time: 86.753921032

the influence of RRE method: 1436.58108165

Monte Carlo influence of RRE method: 1195.467

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856, 556]

time: 1.09993600845

influence of degree method: 1170.766

ranseeds are: [1188, 2371, 7523, 7162, 6756, 1775, 6643, 7181, 6728, 2829, 3083, 6230, 2734, 6675, 1443]

time: 0.000401020050049

influence of random method: 125.832

Seeds are: [0, 2788, 3782, 3560, 6570, 556, 2222, 112, 4338, 6004, 7342, 4116, 6940, 4893, 4638]

time of computing single influence: 15023.2666161

k= 15 t= 2 y= [1, 1]

method2, the seed allocation is: [[4116, 4893, 4338, 6570, 2788, 3560, 6004, 0], [4638, 6940, 112, 556, 2222, 7342, 3782]]

fair of method2= 0.901109423039

time of method2: 0.000326156616211

fair of method1(random)= 0.660339303792

method3, the seed allocation is: [[0, 7342, 2222, 556, 112, 4338, 4638, 4116], [3782, 6004, 3560, 2788, 6570, 6940, 4893]]

fair of method3= 0.93362192956

time of method3: 0.000234127044678

k= 15 t= 2 y= [1, 2]

method2, the seed allocation is: [[4116, 6940, 6570, 2222, 6004, 0], [4638, 4893, 4338, 112, 556, 2788, 3560, 7342, 3782]]

fair of method2= 0.714669396646

time of method2: 0.000303030014038

fair of method1(random)= 0.508210688137

method3, the seed allocation is: [[3782, 3560, 6570, 6940, 4116], [0, 6004, 7342, 2222, 2788, 556, 112, 4338, 4893, 4638]]

fair of method3= 0.948322897561

time of method3: 0.000231981277466

k= 15 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[4116, 6940, 6570, 2222, 6004], [4638, 4338, 556, 3560, 3782], [4893, 112, 2788, 7342, 0]]

fair of method2= 0.745392021736

time of method2: 0.000324010848999

fair of method1(random)= 0.447344293997

method3, the seed allocation is: [[0, 2788, 112, 4893, 4638], [3782, 2222, 6570, 6940], [6004, 7342, 3560, 556, 4338, 4116]]

fair of method3= 0.866959631921

time of method3: 0.000252962112427

k= 15 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[4116, 6570, 6004], [4638, 4338, 556, 3560, 3782], [4893, 6940, 112, 2788, 2222, 7342, 0]]

fair of method2= 0.888401316446

time of method2: 0.000324010848999

fair of method1(random)= 0.305164712065

method3, the seed allocation is: [[6004, 3560, 4893], [3782, 2222, 6570, 6940, 4116], [0, 7342, 2788, 556, 112, 4338, 4638]]

fair of method3= 0.892009222581

time of method3: 0.000241041183472

k= 15 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[4116, 4338, 2788, 6004], [4638, 112, 2222, 3782], [4893, 6570, 3560, 0], [6940, 556, 7342]]

fair of method2= 0.569072800614

time of method2: 0.000351905822754

fair of method1(random)= 0.313575083739

method3, the seed allocation is: [[0, 112, 4638], [3782, 6570, 4893], [6004, 2222, 2788, 4338], [7342, 3560, 556, 6940, 4116]]

fair of method3= 0.869142054038

time of method3: 0.000265121459961

k= 15 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[4116, 2222], [4638, 6570, 7342], [4893, 112, 2788, 6004, 0], [6940, 4338, 556, 3560, 3782]]

fair of method2= 0.690196012574

time of method2: 0.000316858291626

fair of method1(random)= 0.191078899371

method3, the seed allocation is: [[7342, 112], [6004, 3560, 6570], [3782, 2788, 6940, 4638], [0, 2222, 556, 4338, 4893, 4116]]

fair of method3= 0.769703306361

time of method3: 0.000235080718994

k= 16

RREseeds are: [0, 1, 2788, 3894, 3782, 3560, 6570, 556, 7342, 4338, 6004, 2222, 3158, 1111, 334, 4638]

RRE time: 89.6893081665

the influence of RRE method: 1484.81796719

Monte Carlo influence of RRE method: 1224.455

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856, 556, 4338]

time: 0.906373977661

influence of degree method: 1214.06

ranseeds are: [4407, 3363, 1006, 4888, 3275, 4878, 5539, 4620, 4621, 857, 1879, 7405, 6006, 5675, 4839, 2869]

time: 0.000406980514526

influence of random method: 70.81

Seeds are: [0, 1, 2788, 3894, 3782, 3560, 6570, 556, 7342, 4338, 6004, 2222, 3158, 1111, 334, 4638]

time of computing single influence: 16760.7850869

k= 16 t= 2 y= [1, 1]

method2, the seed allocation is: [[334, 4638, 3894, 556, 2788, 2222, 3560, 3782], [1, 1111, 3158, 4338, 6570, 7342, 6004, 0]]

fair of method2= 0.965079280195

time of method2: 0.000364065170288

fair of method1(random)= 0.6750701425

method3, the seed allocation is: [[0, 3560, 2222, 2788, 4338, 3158, 1111, 334], [3782, 6004, 7342, 6570, 556, 3894, 4638, 1]]

fair of method3= 0.986225064579

time of method3: 0.000247001647949

k= 16 t= 2 y= [1, 2]

method2, the seed allocation is: [[334, 1111, 556, 6570, 3560, 0], [1, 4638, 3894, 3158, 4338, 2788, 2222, 7342, 6004, 3782]]

fair of method2= 0.791955418291

time of method2: 0.000324964523315

fair of method1(random)= 0.516577858135

method3, the seed allocation is: [[3782, 2222, 4338, 3894, 1], [0, 6004, 3560, 7342, 6570, 2788, 556, 3158, 1111, 4638, 334]]

fair of method3= 0.987733519147

time of method3: 0.000267028808594

k= 16 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[334, 1111, 556, 6570, 3560, 0], [1, 3894, 4338, 2222, 6004], [4638, 3158, 2788, 7342, 3782]]

fair of method2= 0.696210776812

time of method2: 0.000344038009644

fair of method1(random)= 0.455368669975

method3, the seed allocation is: [[0, 6570, 556, 1111, 1], [3782, 2222, 4338, 3894, 334], [6004, 3560, 7342, 2788, 3158, 4638]]

fair of method3= 0.973411045525

time of method3: 0.000257968902588

k= 16 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[334, 556, 3560], [1, 3894, 4338, 2222, 6004, 0], [4638, 1111, 3158, 2788, 6570, 7342, 3782]]

fair of method2= 0.747466580326

time of method2: 0.00036096572876

fair of method1(random)= 0.312406305723

method3, the seed allocation is: [[6004, 7342, 1111], [3782, 6570, 4338, 3894, 1], [0, 3560, 2222, 2788, 556, 3158, 4638, 334]]

fair of method3= 0.966996269546

time of method3: 0.000261068344116

k= 16 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[334, 3894, 2788, 3560], [1, 3158, 6570, 6004], [4638, 556, 2222, 3782], [1111, 4338, 7342, 0]]

fair of method2= 0.689387486684

time of method2: 0.00036096572876

fair of method1(random)= 0.317418400707

method3, the seed allocation is: [[0, 556, 4638], [3782, 4338, 1111], [6004, 2222, 6570, 3894, 334], [3560, 7342, 2788, 3158, 1]]

fair of method3= 0.854137047871

time of method3: 0.000265836715698

k= 16 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[334, 6570], [1, 556, 7342], [4638, 3158, 2788, 3560, 0], [1111, 3894, 4338, 2222, 6004, 3782]]

fair of method2= 0.681098466617

time of method2: 0.000370979309082

fair of method1(random)= 0.19498857273

method3, the seed allocation is: [[3560, 4338], [6004, 7342, 556, 334], [3782, 6570, 3894, 4638], [0, 2222, 2788, 3158, 1111, 1]]

fair of method3= 0.823150539771

time of method3: 0.000263929367065

k= 17

RREseeds are: [0, 1, 3782, 4116, 1111, 856, 2906, 6940, 2788, 3560, 6570, 556, 7342, 112, 4338, 6004, 3894]

RRE time: 90.5818960667

the influence of RRE method: 1515.92362698

Monte Carlo influence of RRE method: 1250.957

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856, 556, 4338, 1111]

time: 0.893415927887

influence of degree method: 1245.319

ranseeds are: [1939, 6306, 538, 5526, 1024, 7097, 5462, 6542, 116, 2282, 3424, 4385, 6615, 795, 3987, 4049, 7415]

time: 0.000411987304688

influence of random method: 69.302

Seeds are: [0, 1, 3782, 4116, 1111, 856, 2906, 6940, 2788, 3560, 6570, 556, 7342, 112, 4338, 6004, 3894]

time of computing single influence: 18641.1385829

k= 17 t= 2 y= [1, 1]

method2, the seed allocation is: [[4116, 2906, 1111, 3894, 4338, 6570, 3560, 6004, 3782], [1, 856, 112, 6940, 556, 2788, 7342, 0]]

fair of method2= 0.913425743

time of method2: 0.00036096572876

fair of method1(random)= 0.670663248693

method3, the seed allocation is: [[3782, 7342, 3560, 556, 6940, 112, 856, 2906], [0, 6004, 2788, 6570, 4338, 3894, 1111, 1, 4116]]

fair of method3= 0.934647432587

time of method3: 0.000257015228271

k= 17 t= 2 y= [1, 2]

method2, the seed allocation is: [[4116, 856, 3894, 556, 3560, 0], [1, 2906, 1111, 112, 6940, 4338, 6570, 2788, 7342, 6004, 3782]]

fair of method2= 0.875727849508

time of method2: 0.000345945358276

fair of method1(random)= 0.52071201788

method3, the seed allocation is: [[0, 2788, 4338, 112, 2906], [3782, 6004, 7342, 3560, 6570, 556, 6940, 3894, 1111, 856, 1, 4116]]

fair of method3= 0.949969748958

time of method3: 0.000258922576904

k= 17 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[4116, 856, 3894, 556, 3560, 0], [1, 1111, 6940, 6570, 7342, 3782], [2906, 112, 4338, 2788, 6004]]

fair of method2= 0.684379849644

time of method2: 0.000365972518921

fair of method1(random)= 0.477122723596

method3, the seed allocation is: [[3782, 6570, 6940, 112, 2906], [0, 2788, 4338, 1111, 856], [6004, 7342, 3560, 556, 3894, 1, 4116]]

fair of method3= 0.905309156107

time of method3: 0.000274896621704

k= 17 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[4116, 3894, 3560], [1, 1111, 6940, 6570, 7342, 3782], [2906, 856, 112, 4338, 556, 2788, 6004, 0]]

fair of method2= 0.74789751977

time of method2: 0.000349044799805

fair of method1(random)= 0.318217973901

method3, the seed allocation is: [[6004, 3560, 1111], [0, 6570, 4338, 112, 2906], [3782, 7342, 2788, 556, 6940, 3894, 856, 1, 4116]]

fair of method3= 0.936071518358

time of method3: 0.000262975692749

k= 17 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[4116, 1111, 4338, 3560, 3782], [1, 112, 556, 7342], [2906, 3894, 6570, 6004], [856, 6940, 2788, 0]]

fair of method2= 0.638342231488

time of method2: 0.000380992889404

fair of method1(random)= 0.333978734245

method3, the seed allocation is: [[3782, 6940, 856], [0, 4338, 1111, 4116], [6004, 2788, 6570, 112, 2906], [7342, 3560, 556, 3894, 1]]

fair of method3= 0.853774220135

time of method3: 0.000275135040283

k= 17 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[4116, 556], [1, 3894, 2788, 3782], [2906, 112, 4338, 3560, 0], [856, 1111, 6940, 6570, 7342, 6004]]

fair of method2= 0.57900803668

time of method2: 0.000380039215088

fair of method1(random)= 0.206524900149

method3, the seed allocation is: [[7342, 6940], [6004, 3560, 112, 1], [0, 6570, 3894, 856, 4116], [3782, 2788, 556, 4338, 1111, 2906]]

fair of method3= 0.851901469317

time of method3: 0.000274181365967

k= 18

RREseeds are: [0, 1, 3782, 4116, 7342, 1111, 856, 6940, 6688, 2788, 3560, 6570, 556, 2222, 112, 4338, 6004, 3894]

RRE time: 93.8150911331

the influence of RRE method: 1535.62994121

Monte Carlo influence of RRE method: 1280.698

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856, 556, 4338, 1111, 4893]

time: 1.08527112007

influence of degree method: 1274.065

ranseeds are: [2541, 4168, 454, 2207, 5426, 5089, 4231, 4018, 3622, 7175, 5532, 6784, 4638, 404, 6798, 4110, 4561, 2203]

time: 0.000426054000854

influence of random method: 177.058

Seeds are: [0, 1, 3782, 4116, 7342, 1111, 856, 6940, 6688, 2788, 3560, 6570, 556, 2222, 112, 4338, 6004, 3894]

time of computing single influence: 21450.700212

k= 18 t= 2 y= [1, 1]

method2, the seed allocation is: [[4116, 6688, 3894, 112, 4338, 6570, 2788, 7342, 3782], [1, 856, 1111, 6940, 556, 2222, 6004, 3560, 0]]

fair of method2= 0.963383628151

time of method2: 0.000347852706909

fair of method1(random)= 0.689009981134

method3, the seed allocation is: [[0, 7342, 6004, 6570, 4338, 112, 1111, 6688, 1], [3782, 3560, 2788, 2222, 556, 6940, 3894, 856, 4116]]

fair of method3= 0.98716698699

time of method3: 0.000240802764893

k= 18 t= 2 y= [1, 2]

method2, the seed allocation is: [[4116, 856, 112, 556, 2788, 3560, 0], [1, 6688, 3894, 1111, 6940, 4338, 6570, 2222, 6004, 7342, 3782]]

fair of method2= 0.753534661535

time of method2: 0.000306129455566

fair of method1(random)= 0.535319727826

method3, the seed allocation is: [[3782, 2788, 556, 112, 856, 4116], [0, 3560, 7342, 6004, 2222, 6570, 4338, 6940, 1111, 3894, 6688, 1]]

fair of method3= 0.958080958755

time of method3: 0.000239133834839

k= 18 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[4116, 856, 112, 556, 2788, 3560], [1, 3894, 6940, 6570, 6004, 3782], [6688, 1111, 4338, 2222, 7342, 0]]

fair of method2= 0.775977750544

time of method2: 0.000331878662109

fair of method1(random)= 0.473052590122

method3, the seed allocation is: [[0, 2222, 4338, 112, 856, 4116], [3782, 2788, 556, 1111, 6688, 1], [3560, 7342, 6004, 6570, 6940, 3894]]

fair of method3= 0.890425747641

time of method3: 0.000258207321167

k= 18 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[4116, 112, 2788], [1, 3894, 6940, 6570, 6004, 3782], [6688, 856, 1111, 4338, 556, 2222, 7342, 3560, 0]]

fair of method2= 0.727275793576

time of method2: 0.000325918197632

fair of method1(random)= 0.322017393631

method3, the seed allocation is: [[3560, 6004, 1111], [3782, 2222, 556, 112, 856, 4116], [0, 7342, 2788, 6570, 4338, 6940, 3894, 6688, 1]]

fair of method3= 0.916636885243

time of method3: 0.000248908996582

k= 18 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[4116, 3894, 4338, 2788, 3782], [1, 1111, 556, 6004, 0], [6688, 112, 6570, 7342], [856, 6940, 2222, 3560]]

fair of method2= 0.621019245893

time of method2: 0.000343084335327

fair of method1(random)= 0.339974462632

method3, the seed allocation is: [[0, 4338, 1111, 1], [3782, 556, 3894, 4116], [3560, 2788, 2222, 6940, 856], [7342, 6004, 6570, 112, 6688]]

fair of method3= 0.971647669269

time of method3: 0.000257015228271

k= 18 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[4116, 556], [1, 112, 2222, 3782], [6688, 1111, 4338, 2788, 3560], [856, 3894, 6940, 6570, 6004, 7342, 0]]

fair of method2= 0.629663901131

time of method2: 0.000366926193237

fair of method1(random)= 0.209407385065

method3, the seed allocation is: [[7342, 556], [3560, 6004, 6940, 6688], [3782, 2222, 112, 3894, 1], [0, 2788, 6570, 4338, 1111, 856, 4116]]

fair of method3= 0.92889644602

time of method3: 0.000257015228271

k= 19

RREseeds are: [0, 3782, 3783, 4116, 2222, 1111, 856, 2906, 6940, 4893, 2788, 3560, 6570, 556, 7342, 112, 4338, 6004, 3894]

RRE time: 98.389966011

the influence of RRE method: 1567.33337526

Monte Carlo influence of RRE method: 1310.241

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856, 556, 4338, 1111, 4893, 6688]

time: 0.896967172623

influence of degree method: 1298.252

ranseeds are: [1, 842, 4171, 946, 6335, 1069, 247, 1705, 305, 3393, 1835, 7298, 4348, 2811, 5563, 7174, 2138, 5827, 6860]

time: 0.000437021255493

influence of random method: 194.164

Seeds are: [0, 3782, 3783, 4116, 2222, 1111, 856, 2906, 6940, 4893, 2788, 3560, 6570, 556, 7342, 112, 4338, 6004, 3894]

time of computing single influence: 24106.6441259

k= 19 t= 2 y= [1, 1]

method2, the seed allocation is: [[4116, 3783, 3894, 1111, 6940, 556, 6570, 6004, 3560, 3782], [2906, 4893, 856, 112, 4338, 2788, 2222, 7342, 0]]

fair of method2= 0.928840431847

time of method2: 0.000398874282837

fair of method1(random)= 0.68881695974

method3, the seed allocation is: [[3782, 7342, 2222, 6570, 556, 6940, 856, 3894, 2906], [0, 3560, 6004, 2788, 4338, 112, 1111, 4893, 3783, 4116]]

fair of method3= 0.939633251433

time of method3: 0.000288009643555

k= 19 t= 2 y= [1, 2]

method2, the seed allocation is: [[4116, 4893, 1111, 4338, 6570, 7342, 3782], [2906, 3783, 3894, 856, 112, 6940, 556, 2788, 2222, 6004, 3560, 0]]

fair of method2= 0.813369450046

time of method2: 0.000320911407471

fair of method1(random)= 0.522277891955

method3, the seed allocation is: [[0, 2222, 2788, 112, 3894, 2906], [3782, 3560, 7342, 6004, 6570, 556, 4338, 6940, 1111, 856, 4893, 3783, 4116]]

fair of method3= 0.983299717239

time of method3: 0.000249862670898

k= 19 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[4116, 4893, 1111, 4338, 6570, 7342, 3782], [2906, 3894, 112, 556, 2222, 3560], [3783, 856, 6940, 2788, 6004, 0]]

fair of method2= 0.734092695765

time of method2: 0.000360012054443

fair of method1(random)= 0.496232695998

method3, the seed allocation is: [[3782, 6570, 4338, 1111, 856, 3783], [0, 2222, 556, 112, 3894, 4116], [3560, 7342, 6004, 2788, 6940, 4893, 2906]]

fair of method3= 0.9810481363

time of method3: 0.000275135040283

k= 19 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[4116, 1111, 6570, 0], [2906, 3894, 112, 556, 2222, 3560], [3783, 4893, 856, 6940, 4338, 2788, 6004, 7342, 3782]]

fair of method2= 0.592926791561

time of method2: 0.00034499168396

fair of method1(random)= 0.317676443478

method3, the seed allocation is: [[3560, 6004, 1111, 2906], [0, 6570, 556, 112, 3894, 4116], [3782, 7342, 2222, 2788, 4338, 6940, 856, 4893, 3783]]

fair of method3= 0.858456591937

time of method3: 0.000263214111328

k= 19 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[4116, 3894, 6940, 6570, 3560], [2906, 856, 4338, 2222, 0], [3783, 1111, 556, 6004, 3782], [4893, 112, 2788, 7342]]

fair of method2= 0.645118445351

time of method2: 0.000369071960449

fair of method1(random)= 0.35319178649

method3, the seed allocation is: [[3782, 4338, 856, 2906], [0, 556, 1111, 3783], [3560, 2222, 6570, 6940, 3894], [7342, 6004, 2788, 112, 4893, 4116]]

fair of method3= 0.884375640861

time of method3: 0.000282049179077

k= 19 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[4116, 4338], [2906, 1111, 2788, 3560], [3783, 856, 6940, 6570, 7342, 3782], [4893, 3894, 112, 556, 2222, 6004, 0]]

fair of method2= 0.693211960453

time of method2: 0.000361919403076

fair of method1(random)= 0.213753901888

method3, the seed allocation is: [[7342, 112], [3560, 6004, 4338, 4893], [0, 6570, 6940, 856, 3783], [3782, 2222, 2788, 556, 1111, 3894, 2906, 4116]]

fair of method3= 0.929045732286

time of method3: 0.000272989273071

k= 20

RREseeds are: [0, 1, 3782, 4105, 4116, 7342, 1111, 856, 2906, 6940, 4893, 2788, 3560, 6570, 556, 2222, 112, 4338, 6004, 3894]

RRE time: 103.103428125

the influence of RRE method: 1597.18829475

Monte Carlo influence of RRE method: 1328.688

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856, 556, 4338, 1111, 4893, 6688, 2906]

time: 0.896234035492

influence of degree method: 1317.665

ranseeds are: [685, 6425, 5004, 1006, 7291, 4679, 792, 6945, 5136, 5690, 1823, 6221, 7288, 5389, 3610, 2203, 3888, 3377, 384, 6000]

time: 0.00043511390686

influence of random method: 102.061

Seeds are: [0, 1, 3782, 4105, 4116, 7342, 1111, 856, 2906, 6940, 4893, 2788, 3560, 6570, 556, 2222, 112, 4338, 6004, 3894]

time of computing single influence: 26238.035037

k= 20 t= 2 y= [1, 1]

method2, the seed allocation is: [[4105, 2906, 4893, 856, 3894, 6940, 2788, 2222, 7342, 3782], [4116, 1, 1111, 4338, 112, 556, 6570, 6004, 3560, 0]]

fair of method2= 0.95646996975

time of method2: 0.000416040420532

fair of method1(random)= 0.693072788575

method3, the seed allocation is: [[0, 7342, 2222, 2788, 6940, 112, 4338, 4893, 1, 4116], [3782, 3560, 6004, 6570, 556, 3894, 856, 1111, 2906, 4105]]

fair of method3= 0.985795479871

time of method3: 0.000314950942993

k= 20 t= 2 y= [1, 2]

method2, the seed allocation is: [[4105, 1, 856, 112, 2788, 6004, 3782], [4116, 2906, 4893, 1111, 4338, 3894, 6940, 556, 6570, 2222, 7342, 3560, 0]]

fair of method2= 0.908865196964

time of method2: 0.000369071960449

fair of method1(random)= 0.524573051294

method3, the seed allocation is: [[3782, 6004, 556, 3894, 1111, 2906], [0, 3560, 7342, 2222, 6570, 2788, 6940, 112, 4338, 856, 4893, 1, 4116, 4105]]

fair of method3= 0.982301257311

time of method3: 0.000280857086182

k= 20 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[4105, 1, 856, 112, 2788, 6004, 3782], [4116, 4893, 4338, 6940, 6570, 7342, 0], [2906, 1111, 3894, 556, 2222, 3560]]

fair of method2= 0.73035884151

time of method2: 0.000359058380127

fair of method1(random)= 0.503952708537

method3, the seed allocation is: [[0, 6570, 6940, 4338, 4893, 1], [3782, 2222, 556, 3894, 1111, 4116, 4105], [3560, 7342, 6004, 2788, 112, 856, 2906]]

fair of method3= 0.942599082712

time of method3: 0.000292062759399

k= 20 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[4105, 1111, 556, 3560], [4116, 4893, 4338, 6940, 6570, 7342, 0], [2906, 1, 856, 3894, 112, 2788, 2222, 6004, 3782]]

fair of method2= 0.824392254945

time of method2: 0.000349998474121

fair of method1(random)= 0.319513344042

method3, the seed allocation is: [[3560, 6004, 4338, 4116], [3782, 2222, 556, 3894, 1111, 2906], [0, 7342, 6570, 2788, 6940, 112, 856, 4893, 1, 4105]]

fair of method3= 0.909576835038

time of method3: 0.000270128250122

k= 20 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[4105, 4893, 3894, 2788, 7342], [4116, 1111, 112, 6570, 3560], [2906, 856, 6940, 2222, 3782], [1, 4338, 556, 6004, 0]]

fair of method2= 0.708295014826

time of method2: 0.000370025634766

fair of method1(random)= 0.354280961207

method3, the seed allocation is: [[0, 6940, 856, 1], [3782, 556, 4338, 2906], [3560, 2222, 2788, 3894, 1111, 4105], [7342, 6004, 6570, 112, 4893, 4116]]

fair of method3= 0.89732770064

time of method3: 0.000293016433716

k= 20 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[4105, 3894, 3782], [4116, 856, 556, 7342], [2906, 1111, 112, 2788, 6004, 0], [1, 4893, 4338, 6940, 6570, 2222, 3560]]

fair of method2= 0.441599560367

time of method2: 0.000373125076294

fair of method1(random)= 0.20757623171

method3, the seed allocation is: [[7342, 112], [3560, 6004, 556, 4893], [3782, 6570, 3894, 856, 1, 4116], [0, 2222, 2788, 6940, 4338, 1111, 2906, 4105]]

fair of method3= 0.911510812048

time of method3: 0.000281095504761

k= 21

RREseeds are: [0, 1, 3782, 4105, 4116, 2222, 3158, 1111, 856, 2906, 6940, 4893, 2788, 3560, 6570, 556, 7342, 112, 4338, 6004, 3894]

RRE time: 107.066977024

the influence of RRE method: 1624.46411003

Monte Carlo influence of RRE method: 1360.443

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856, 556, 4338, 1111, 4893, 6688, 2906, 3783]

time: 0.904107093811

influence of degree method: 1347.814

ranseeds are: [433, 3032, 2205, 2764, 7526, 4643, 5755, 6223, 223, 2414, 4721, 1628, 5457, 864, 1433, 3805, 6542, 7549, 3284, 3274, 6935]

time: 0.000446081161499

influence of random method: 159.669

Seeds are: [0, 1, 3782, 4105, 4116, 2222, 3158, 1111, 856, 2906, 6940, 4893, 2788, 3560, 6570, 556, 7342, 112, 4338, 6004, 3894]

time of computing single influence: 29420.406976

k= 21 t= 2 y= [1, 1]

method2, the seed allocation is: [[4105, 2906, 3158, 1111, 3894, 6570, 556, 112, 2222, 3560, 0], [4116, 1, 4893, 856, 6940, 2788, 4338, 6004, 7342, 3782]]

fair of method2= 0.922316318542

time of method2: 0.000407934188843

fair of method1(random)= 0.712088637548

method3, the seed allocation is: [[0, 7342, 6004, 112, 2788, 6570, 856, 4893, 1, 2906], [3782, 3560, 2222, 4338, 556, 6940, 3894, 1111, 3158, 4116, 4105]]

fair of method3= 0.963033764742

time of method3: 0.000303030014038

k= 21 t= 2 y= [1, 2]

method2, the seed allocation is: [[4105, 1, 1111, 6940, 556, 6004, 3560, 0], [4116, 2906, 3158, 4893, 856, 3894, 6570, 2788, 4338, 112, 2222, 7342, 3782]]

fair of method2= 0.769487366735

time of method2: 0.000380039215088

fair of method1(random)= 0.533855727746

method3, the seed allocation is: [[3782, 6004, 556, 6940, 1111, 1, 4105], [0, 3560, 7342, 2222, 112, 4338, 2788, 6570, 3894, 856, 4893, 3158, 2906, 4116]]

fair of method3= 0.970443093818

time of method3: 0.000312805175781

k= 21 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[4105, 1, 1111, 6940, 556, 6004, 3560], [4116, 3158, 856, 6570, 4338, 2222, 3782], [2906, 4893, 3894, 2788, 112, 7342, 0]]

fair of method2= 0.781340978742

time of method2: 0.000398874282837

fair of method1(random)= 0.495408306436

method3, the seed allocation is: [[0, 112, 2788, 3894, 4893, 2906, 4116], [3782, 6004, 556, 6940, 1111, 1], [3560, 7342, 2222, 4338, 6570, 856, 3158, 4105]]

fair of method3= 0.921492466831

time of method3: 0.000288963317871

k= 21 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[4105, 4893, 2788, 7342], [4116, 3158, 856, 6570, 4338, 2222, 3782], [2906, 1, 1111, 3894, 6940, 556, 112, 6004, 3560, 0]]

fair of method2= 0.886060738475

time of method2: 0.000362157821655

fair of method1(random)= 0.334141592577

method3, the seed allocation is: [[3560, 2222, 6570, 2906], [3782, 112, 556, 3894, 1111, 1, 4105], [0, 7342, 6004, 4338, 2788, 6940, 856, 4893, 3158, 4116]]

fair of method3= 0.909198920312

time of method3: 0.000285863876343

k= 21 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[4105, 3158, 3894, 556, 2222, 0], [4116, 4893, 6940, 4338, 7342], [2906, 1111, 6570, 112, 3560], [1, 856, 2788, 6004, 3782]]

fair of method2= 0.670426365728

time of method2: 0.000380039215088

fair of method1(random)= 0.370954183081

method3, the seed allocation is: [[0, 2788, 856, 3158], [3782, 556, 3894, 1, 4105], [3560, 6004, 4338, 6940, 1111, 2906], [7342, 2222, 112, 6570, 4893, 4116]]

fair of method3= 0.898959250296

time of method3: 0.000287055969238

k= 21 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[4105, 3894, 3560], [4116, 1111, 2788, 2222], [2906, 4893, 6940, 556, 6004, 3782], [1, 3158, 856, 6570, 4338, 112, 7342, 0]]

fair of method2= 0.691434203197

time of method2: 0.000387907028198

fair of method1(random)= 0.210451525141

method3, the seed allocation is: [[7342, 2788], [3560, 2222, 556, 4893, 4105], [3782, 112, 6940, 856, 3158, 2906], [0, 6004, 4338, 6570, 3894, 1111, 1, 4116]]

fair of method3= 0.911899733449

time of method3: 0.000288963317871

k= 22

RREseeds are: [0, 323, 3782, 3783, 4116, 7342, 3158, 1111, 856, 2906, 6940, 7453, 2788, 3560, 6570, 556, 2222, 4893, 112, 4338, 6004, 3894]

RRE time: 113.344926119

the influence of RRE method: 1641.62810023

Monte Carlo influence of RRE method: 1378.899

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856, 556, 4338, 1111, 4893, 6688, 2906, 3783, 1]

time: 1.12060809135

influence of degree method: 1373.086

ranseeds are: [2688, 2428, 283, 7496, 2566, 3942, 4945, 857, 5659, 1828, 3383, 5536, 2914, 2066, 2272, 4293, 1219, 7182, 3502, 1175, 1334, 866]

time: 0.000442981719971

influence of random method: 189.722

Seeds are: [0, 323, 3782, 3783, 4116, 7342, 3158, 1111, 856, 2906, 6940, 7453, 2788, 3560, 6570, 556, 2222, 4893, 112, 4338, 6004, 3894]

time of computing single influence: 31610.4831591

k= 22 t= 2 y= [1, 1]

method2, the seed allocation is: [[323, 7453, 2906, 1111, 856, 3894, 556, 6570, 2222, 6004, 0], [4116, 3783, 4893, 6940, 3158, 112, 4338, 2788, 7342, 3560, 3782]]

fair of method2= 0.964720737942

time of method2: 0.000442981719971

fair of method1(random)= 0.713028030247

method3, the seed allocation is: [[3782, 6004, 2222, 2788, 556, 112, 3158, 1111, 4893, 7453, 4116], [0, 3560, 7342, 6570, 4338, 3894, 856, 6940, 2906, 3783, 323]]

fair of method3= 0.993290475749

time of method3: 0.000322818756104

k= 22 t= 2 y= [1, 2]

method2, the seed allocation is: [[323, 3783, 1111, 3158, 556, 2788, 6004, 3782], [4116, 7453, 2906, 4893, 6940, 856, 3894, 112, 4338, 6570, 2222, 7342, 3560, 0]]

fair of method2= 0.827427251582

time of method2: 0.000396013259888

fair of method1(random)= 0.526022410571

method3, the seed allocation is: [[0, 2222, 4338, 3894, 6940, 2906, 4116], [3782, 3560, 6004, 7342, 2788, 6570, 556, 112, 3158, 856, 1111, 4893, 3783, 7453, 323]]

fair of method3= 0.982019758108

time of method3: 0.000312089920044

k= 22 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[323, 3783, 1111, 3158, 556, 2788, 6004, 3782], [4116, 2906, 6940, 3894, 4338, 2222, 3560], [7453, 4893, 856, 112, 6570, 7342, 0]]

fair of method2= 0.745474064315

time of method2: 0.000425100326538

fair of method1(random)= 0.521699932848

method3, the seed allocation is: [[3782, 2788, 556, 3158, 6940, 3783, 4116], [0, 2222, 4338, 3894, 1111, 2906, 323], [3560, 6004, 7342, 6570, 112, 856, 4893, 7453]]

fair of method3= 0.982268308018

time of method3: 0.000289916992188

k= 22 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[323, 1111, 556, 7342], [4116, 2906, 6940, 3894, 4338, 2222, 3560, 3782], [7453, 3783, 4893, 856, 3158, 112, 6570, 2788, 6004, 0]]

fair of method2= 0.779232631539

time of method2: 0.000370979309082

fair of method1(random)= 0.332143730164

method3, the seed allocation is: [[3560, 7342, 3894, 3783], [0, 2788, 4338, 3158, 6940, 2906, 4116], [3782, 6004, 2222, 6570, 556, 112, 856, 1111, 4893, 7453, 323]]

fair of method3= 0.962078797769

time of method3: 0.00029182434082

k= 22 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[323, 2906, 856, 556, 2222, 0], [4116, 4893, 3158, 4338, 7342, 3782], [7453, 1111, 3894, 6570, 6004], [3783, 6940, 112, 2788, 3560]]

fair of method2= 0.664754777355

time of method2: 0.000391960144043

fair of method1(random)= 0.388497386111

method3, the seed allocation is: [[3782, 556, 856, 4893, 323], [0, 4338, 3158, 2906, 4116], [3560, 2222, 2788, 3894, 1111, 3783], [6004, 7342, 6570, 112, 6940, 7453]]

fair of method3= 0.977142884868

time of method3: 0.000298976898193

k= 22 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[323, 3158, 6004], [4116, 1111, 112, 2222, 3782], [7453, 4893, 856, 556, 2788, 3560], [3783, 2906, 6940, 3894, 4338, 6570, 7342, 0]]

fair of method2= 0.622579595528

time of method2: 0.000385999679565

fair of method1(random)= 0.223061031523

method3, the seed allocation is: [[6004, 4338, 323], [3560, 7342, 556, 1111, 7453], [0, 2788, 3894, 856, 4893, 4116], [3782, 2222, 6570, 112, 3158, 6940, 2906, 3783]]

fair of method3= 0.840179734795

time of method3: 0.000298976898193

k= 23

RREseeds are: [0, 1, 3782, 3783, 4105, 4116, 7342, 3158, 1111, 4893, 4638.0, 6688, 2788, 3560, 6570, 556, 2222, 7453, 112, 4338, 6004, 3894, 3028]

RRE time: 116.886008024

the influence of RRE method: 1676.32454937

Monte Carlo influence of RRE method: 1400.919

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856, 556, 4338, 1111, 4893, 6688, 2906, 3783, 1, 1334]

time: 1.13912510872

influence of degree method: 1388.478

ranseeds are: [777, 6805, 3557, 6987, 6876, 768, 13, 7505, 4679, 6766, 2332, 2059, 1186, 3408, 4595, 5835, 3363, 906, 753, 3887, 1221, 5361, 4696]

time: 0.00045108795166

influence of random method: 88.061

Seeds are: [0, 1, 3782, 3783, 4105, 4116, 7342, 3158, 1111, 4893, 4638.0, 6688, 2788, 3560, 6570, 556, 2222, 7453, 112, 4338, 6004, 3894, 3028]

time of computing single influence: 33695.357873

k= 23 t= 2 y= [1, 1]

method2, the seed allocation is: [[4105, 3028, 3783, 6688, 4638.0, 3894, 6570, 2222, 2788, 6004, 7342, 0], [7453, 4116, 1, 4893, 1111, 112, 3158, 556, 4338, 3560, 3782]]

fair of method2= 0.933413226229

time of method2: 0.000445127487183

fair of method1(random)= 0.710461980729

method3, the seed allocation is: [[0, 3560, 4338, 2788, 2222, 112, 1111, 4638.0, 1, 4116, 3028, 4105], [3782, 7342, 6004, 556, 3158, 6570, 3894, 4893, 6688, 3783, 7453]]

fair of method3= 0.959985277296

time of method3: 0.000339984893799

k= 23 t= 2 y= [1, 2]

method2, the seed allocation is: [[4105, 4116, 6688, 1111, 6570, 556, 6004, 3782], [7453, 3028, 3783, 1, 4893, 4638.0, 3894, 112, 3158, 2222, 2788, 4338, 3560, 7342, 0]]

fair of method2= 0.910882910653

time of method2: 0.000409126281738

fair of method1(random)= 0.518335540402

method3, the seed allocation is: [[3782, 4338, 2222, 112, 4638.0, 1, 3028], [0, 7342, 3560, 6004, 2788, 556, 3158, 6570, 3894, 1111, 4893, 6688, 3783, 4116, 7453, 4105]]

fair of method3= 0.976915024417

time of method3: 0.000333070755005

k= 23 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[4105, 4116, 6688, 1111, 6570, 556, 6004, 3782], [7453, 3783, 4893, 3894, 3158, 2788, 3560, 0], [3028, 1, 4638.0, 112, 2222, 4338, 7342]]

fair of method2= 0.737221913972

time of method2: 0.000443935394287

fair of method1(random)= 0.524477605504

method3, the seed allocation is: [[0, 2788, 3158, 112, 4893, 1, 4116], [3782, 4338, 2222, 3894, 4638.0, 3783, 3028], [7342, 3560, 6004, 556, 6570, 1111, 6688, 7453, 4105]]

fair of method3= 0.936700845082

time of method3: 0.000308036804199

k= 23 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[4105, 6688, 6570, 6004], [7453, 3783, 4638.0, 3894, 2222, 2788, 7342, 0], [3028, 4116, 1, 4893, 1111, 112, 3158, 556, 4338, 3560, 3782]]

fair of method2= 0.756939272872

time of method2: 0.000389099121094

fair of method1(random)= 0.332076959727

method3, the seed allocation is: [[7342, 6004, 3894, 1], [3782, 2788, 2222, 112, 4638.0, 3783, 3028], [0, 3560, 4338, 556, 3158, 6570, 1111, 4893, 6688, 4116, 7453, 4105]]

fair of method3= 0.964011732034

time of method3: 0.000319957733154

k= 23 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[4105, 3783, 4638.0, 6570, 2788, 7342], [7453, 1, 1111, 3158, 4338, 3782], [3028, 6688, 3894, 2222, 6004, 0], [4116, 4893, 112, 556, 3560]]

fair of method2= 0.665971205389

time of method2: 0.000408172607422

fair of method1(random)= 0.389486039077

method3, the seed allocation is: [[0, 3158, 1111, 1, 7453], [3782, 2222, 3894, 6688, 3028], [7342, 4338, 2788, 6570, 4638.0, 4116, 4105], [3560, 6004, 556, 112, 4893, 3783]]

fair of method3= 0.923135071266

time of method3: 0.000326871871948

k= 23 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[4105, 1111, 6004], [7453, 6688, 112, 2788, 3782], [3028, 1, 4638.0, 6570, 556, 3560, 0], [4116, 3783, 4893, 3894, 3158, 2222, 4338, 7342]]

fair of method2= 0.625780844276

time of method2: 0.000411987304688

fair of method1(random)= 0.230159818255

method3, the seed allocation is: [[3560, 112, 7453], [7342, 6004, 2222, 4893, 4116], [3782, 2788, 6570, 1111, 6688, 3028], [0, 4338, 556, 3158, 3894, 4638.0, 1, 3783, 4105]]

fair of method3= 0.816441765764

time of method3: 0.00031590461731

k= 24

RREseeds are: [0, 1, 1334, 3782, 4105, 4116, 7342, 3158, 1111, 2906, 6940, 4893, 4638, 3549, 2788, 3560, 6570, 556, 2222, 7453, 112, 4338, 6004, 3894]

RRE time: 122.627203941

the influence of RRE method: 1687.05980152

Monte Carlo influence of RRE method: 1422.283

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856, 556, 4338, 1111, 4893, 6688, 2906, 3783, 1, 1334, 3028]

time: 1.13567113876

influence of degree method: 1411.457

ranseeds are: [1836, 693, 3923, 1379, 2416, 1711, 3534, 6483, 3158, 3426, 3731, 4550, 6191, 6601, 1517, 7384, 4412, 4612, 4407, 315, 4473, 932, 3684, 7362]

time: 0.000463962554932

influence of random method: 192.143

Seeds are: [0, 1, 1334, 3782, 4105, 4116, 7342, 3158, 1111, 2906, 6940, 4893, 4638, 3549, 2788, 3560, 6570, 556, 2222, 7453, 112, 4338, 6004, 3894]

time of computing single influence: 36341.472054

k= 24 t= 2 y= [1, 1]

method2, the seed allocation is: [[3549, 1334, 4116, 2906, 1111, 6940, 3894, 6570, 2788, 2222, 6004, 3782], [4105, 7453, 1, 4893, 3158, 4638, 112, 4338, 556, 7342, 3560, 0]]

fair of method2= 0.959152311402

time of method2: 0.000497102737427

fair of method1(random)= 0.716226996997

method3, the seed allocation is: [[0, 6004, 2222, 2788, 6570, 112, 6940, 1111, 4893, 4116, 7453, 4105], [3782, 3560, 7342, 556, 4338, 3894, 4638, 3158, 2906, 1, 1334, 3549]]

fair of method3= 0.998871162583

time of method3: 0.000343084335327

k= 24 t= 2 y= [1, 2]

method2, the seed allocation is: [[3549, 7453, 2906, 3158, 3894, 4338, 2222, 3560, 0], [4105, 1334, 4116, 1, 4893, 1111, 6940, 4638, 112, 6570, 2788, 556, 7342, 6004, 3782]]

fair of method2= 0.786127894878

time of method2: 0.000412940979004

fair of method1(random)= 0.514159885885

method3, the seed allocation is: [[3782, 2222, 4338, 3894, 3158, 2906, 7453, 3549], [0, 3560, 6004, 7342, 556, 2788, 6570, 112, 4638, 6940, 1111, 4893, 1, 4116, 1334, 4105]]

fair of method3= 0.976778503742

time of method3: 0.000333070755005

k= 24 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[3549, 7453, 2906, 3158, 3894, 4338, 2222, 3560], [4105, 4116, 4893, 6940, 112, 2788, 7342, 3782], [1334, 1, 1111, 4638, 6570, 556, 6004, 0]]

fair of method2= 0.780810421864

time of method2: 0.000459909439087

fair of method1(random)= 0.519269739831

method3, the seed allocation is: [[0, 556, 6570, 4638, 1111, 1, 1334, 3549], [3782, 2222, 4338, 3894, 3158, 2906, 7453], [3560, 6004, 7342, 2788, 112, 6940, 4893, 4116, 4105]]

fair of method3= 0.939939998064

time of method3: 0.000310182571411

k= 24 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[3549, 1, 4638, 556, 0], [4105, 4116, 4893, 6940, 112, 2788, 7342, 3782], [1334, 7453, 2906, 1111, 3158, 3894, 6570, 4338, 2222, 6004, 3560]]

fair of method2= 0.592534265954

time of method2: 0.000399827957153

fair of method1(random)= 0.326930435057

method3, the seed allocation is: [[3560, 7342, 112, 1], [3782, 556, 4338, 4638, 3158, 2906, 7453, 3549], [0, 6004, 2222, 2788, 6570, 3894, 6940, 1111, 4893, 4116, 1334, 4105]]

fair of method3= 0.967692611314

time of method3: 0.000308990478516

k= 24 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[3549, 4116, 1111, 3894, 2788, 6004], [4105, 1, 3158, 112, 556, 3560], [1334, 2906, 6940, 6570, 2222, 3782], [7453, 4893, 4638, 4338, 7342, 0]]

fair of method2= 0.717382217587

time of method2: 0.000416040420532

fair of method1(random)= 0.389817731993

method3, the seed allocation is: [[0, 6570, 6940, 2906, 1334], [3782, 4338, 4638, 4893, 7453], [3560, 2222, 556, 112, 3158, 4116, 4105], [6004, 7342, 2788, 3894, 1111, 1, 3549]]

fair of method3= 0.932502509394

time of method3: 0.000319957733154

k= 24 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[3549, 1111, 2222], [4105, 2906, 4638, 2788, 3560], [1334, 1, 3158, 112, 4338, 7342, 0], [7453, 4116, 4893, 6940, 3894, 6570, 556, 6004, 3782]]

fair of method2= 0.845605154165

time of method2: 0.000411033630371

fair of method1(random)= 0.223151967567

method3, the seed allocation is: [[6004, 4338, 1334], [3560, 7342, 6570, 1111, 7453], [3782, 556, 3894, 6940, 4893, 4116, 3549], [0, 2222, 2788, 112, 4638, 3158, 2906, 1, 4105]]

fair of method3= 0.854368919309

time of method3: 0.00032114982605

k= 25

RREseeds are: [0, 1, 3894, 3782, 4105, 4116, 7342, 3158, 1111, 2906, 667, 6940, 4893, 4638, 3549, 2788, 3560, 6570, 556, 2222, 7453, 112, 4338, 6004, 1334]

RRE time: 128.695129871

the influence of RRE method: 1714.5224156

Monte Carlo influence of RRE method: 1438.439

Degseeds are: [0, 3782, 3560, 7342, 6004, 2222, 2788, 3158, 6570, 6940, 112, 3894, 4638, 856, 556, 4338, 1111, 4893, 6688, 2906, 3783, 1, 1334, 3028, 6810]

time: 1.13452720642

influence of degree method: 1416.091

ranseeds are: [1974, 1362, 4858, 7037, 5962, 3696, 359, 1853, 4367, 1489, 291, 582, 630, 7204, 1231, 2296, 2069, 1327, 799, 5264, 4024, 97, 2952, 6116, 5729]

time: 0.000488996505737

influence of random method: 98.816

Seeds are: [0, 1, 3894, 3782, 4105, 4116, 7342, 3158, 1111, 2906, 667, 6940, 4893, 4638, 3549, 2788, 3560, 6570, 556, 2222, 7453, 112, 4338, 6004, 1334]

time of computing single influence: 38651.9732649

k= 25 t= 2 y= [1, 1]

method2, the seed allocation is: [[3549, 667, 7453, 1, 1111, 4638, 3894, 6940, 6570, 4338, 3560, 6004, 0], [4105, 1334, 4116, 4893, 2906, 3158, 112, 2788, 556, 2222, 7342, 3782]]

fair of method2= 0.941853762154

time of method2: 0.000459909439087

fair of method1(random)= 0.713147018971

method3, the seed allocation is: [[0, 7342, 2222, 4338, 2788, 6940, 3894, 4638, 4893, 4116, 7453, 667, 3549], [3782, 6004, 3560, 556, 6570, 112, 3158, 2906, 1111, 1, 1334, 4105]]

fair of method3= 0.975076191616

time of method3: 0.00035285949707

k= 25 t= 2 y= [1, 2]

method2, the seed allocation is: [[3549, 1334, 1, 2906, 3894, 2788, 4338, 7342, 0], [4105, 667, 7453, 4116, 4893, 1111, 4638, 3158, 112, 6940, 6570, 556, 2222, 3560, 6004, 3782]]

fair of method2= 0.835552494153

time of method2: 0.00043797492981

fair of method1(random)= 0.535130426726

method3, the seed allocation is: [[3782, 2222, 6570, 112, 4638, 4893, 7453, 4105], [0, 6004, 7342, 3560, 4338, 556, 2788, 6940, 3894, 3158, 2906, 1111, 1, 4116, 1334, 667, 3549]]

fair of method3= 0.985324587173

time of method3: 0.000369071960449

k= 25 t= 3 y= [1, 1, 1]

method2, the seed allocation is: [[3549, 1334, 1, 2906, 3894, 2788, 4338, 7342, 0], [4105, 7453, 4893, 4638, 112, 6570, 2222, 6004], [667, 4116, 1111, 3158, 6940, 556, 3560, 3782]]

fair of method2= 0.754591035786

time of method2: 0.000440120697021

fair of method1(random)= 0.532479253619

method3, the seed allocation is: [[0, 4338, 6570, 3894, 2906, 4893, 7453, 4105], [3782, 2222, 2788, 112, 4638, 1, 1334, 3549], [6004, 7342, 3560, 556, 6940, 3158, 1111, 4116, 667]]

fair of method3= 0.986276641278

time of method3: 0.000333070755005

k= 25 t= 3 y= [1, 2, 3]

method2, the seed allocation is: [[3549, 4116, 3158, 556, 3782], [4105, 7453, 4893, 4638, 112, 6570, 2222, 6004], [667, 1334, 1, 1111, 2906, 3894, 6940, 2788, 4338, 3560, 7342, 0]]

fair of method2= 0.639460316512

time of method2: 0.000401973724365

fair of method1(random)= 0.328989400795

method3, the seed allocation is: [[6004, 3560, 3894, 1, 3549], [3782, 4338, 6570, 112, 4638, 4893, 7453, 4105], [0, 7342, 2222, 556, 2788, 6940, 3158, 2906, 1111, 4116, 1334, 667]]

fair of method3= 0.919875125361

time of method3: 0.000334024429321

k= 25 t= 4 y= [1, 1, 1, 1]

method2, the seed allocation is: [[3549, 7453, 1111, 3894, 6570, 3560, 0], [4105, 4116, 2906, 112, 556, 7342], [667, 1, 4638, 6940, 4338, 6004], [1334, 4893, 3158, 2788, 2222, 3782]]

fair of method2= 0.690137234324

time of method2: 0.00042200088501

fair of method1(random)= 0.393565370417

method3, the seed allocation is: [[0, 2788, 3894, 1111, 1334], [3782, 6570, 3158, 4893, 7453, 3549], [6004, 2222, 4338, 6940, 2906, 1, 4105], [7342, 3560, 556, 112, 4638, 4116, 667]]

fair of method3= 0.92385039337

time of method3: 0.00034499168396

k= 25 t= 4 y= [1, 2, 3, 4]

method2, the seed allocation is: [[3549, 1111, 4338], [4105, 1, 3158, 6570, 7342], [667, 4116, 2906, 3894, 2788, 2222, 6004, 0], [1334, 7453, 4893, 4638, 112, 6940, 556, 3560, 3782]]

fair of method2= 0.758902731564

time of method2: 0.000436782836914

fair of method1(random)= 0.231543402594

method3, the seed allocation is: [[7342, 6940, 1334], [6004, 3560, 6570, 2906, 4116], [3782, 4338, 112, 3158, 1111, 7453, 4105], [0, 2222, 556, 2788, 3894, 4638, 4893, 1, 667, 3549]]

fair of method3= 0.870020890611

time of method3: 0.00033712387085

done