第 1 章でのグリッドサーチの結果を以下に示す。

Grid search of Elastic Net

ElasticNet(alpha = i, l1\_ratio = j, max\_iter = 1000)

i j : accuracy of prediction using cross validation, accuracy of prediction using test data

Grid search of Elastic Net, Avalon

0.001, 0.1 : 0.9515, 0.9251

0.001, 0.2 : 0.9516, 0.9215

0.001, 0.3 : 0.9516, 0.9172

0.001, 0.4 : 0.9516, 0.9122

0.001, 0.5 : 0.9516, 0.9061

0.001, 0.6 : 0.9516, 0.8988

0.001, 0.7 : 0.9517, 0.8900

0.001, 0.8 : 0.9517, 0.8794

0.001, 0.9 : 0.9517, 0.8664

0.001, 1.0 : 0.9517, 0.8504

0.01, 0.1 : 0.9481, 0.9455

0.01, 0.2 : 0.9484, 0.9458

0.01, 0.3 : 0.9487, 0.9462

0.01, 0.4 : 0.9491, 0.9465

0.01, 0.5 : 0.9496, 0.9467

0.01, 0.6 : 0.9500, 0.9465

0.01, 0.7 : 0.9506, 0.9455

0.01, 0.8 : 0.9511, 0.9421

0.01, 0.9 : 0.9515, 0.9281

0.01, 1.0 : 0.9517, 0.8504

0.1, 0.1 : 0.9394, 0.9357

0.1, 0.2 : 0.9399, 0.9364

0.1, 0.3 : 0.9406, 0.9373

0.1, 0.4 : 0.9412, 0.9382

0.1, 0.5 : 0.9420, 0.9392

0.1, 0.6 : 0.9429, 0.9405

0.1, 0.7 : 0.9440, 0.9418

0.1, 0.8 : 0.9455, 0.9435

0.1, 0.9 : 0.9477, 0.9452

0.1, 1.0 : 0.9517, 0.8505

1, 0.1 : 0.9131, 0.9142

1, 0.2 : 0.9162, 0.9164

1, 0.3 : 0.9193, 0.9186

1, 0.4 : 0.9223, 0.9206

1, 0.5 : 0.9253, 0.9227

1, 0.6 : 0.9283, 0.9248

1, 0.7 : 0.9313, 0.9272

1, 0.8 : 0.9346, 0.9302

1, 0.9 : 0.9388, 0.9350

1, 1.0 : 0.9517, 0.8523

10, 0.1 : 0.6365, 0.6502

10, 0.2 : 0.6645, 0.6791

10, 0.3 : 0.6947, 0.7100

10, 0.4 : 0.7272, 0.7429

10, 0.5 : 0.7618, 0.7775

10, 0.6 : 0.7985, 0.8135

10, 0.7 : 0.8366, 0.8495

10, 0.8 : 0.8747, 0.8836

10, 0.9 : 0.9099, 0.9119

10, 1.0 : 0.9517, 0.8733

100, 0.1 : 0.1396, 0.1240

100, 0.2 : 0.1545, 0.1398

100, 0.3 : 0.1729, 0.1595

100, 0.4 : 0.1963, 0.1844

100, 0.5 : 0.2272, 0.2173

100, 0.6 : 0.2695, 0.2625

100, 0.7 : 0.3315, 0.3285

100, 0.8 : 0.4303, 0.4336

100, 0.9 : 0.6103, 0.6231

100, 1.0 : 0.9514, 0.9475

Grid search of Elastic Net, Morgan(r = 2)

0.001, 0.1 : 0.9277, 0.9398

0.001, 0.2 : 0.9277, 0.9398

0.001, 0.3 : 0.9278, 0.9397

0.001, 0.4 : 0.9278, 0.9397

0.001, 0.5 : 0.9278, 0.9396

0.001, 0.6 : 0.9278, 0.9396

0.001, 0.7 : 0.9278, 0.9395

0.001, 0.8 : 0.9278, 0.9395

0.001, 0.9 : 0.9278, 0.9394

0.001, 1.0 : 0.9278, 0.9394

0.01, 0.1 : 0.9268, 0.9407

0.01, 0.2 : 0.9269, 0.9407

0.01, 0.3 : 0.9270, 0.9406

0.01, 0.4 : 0.9271, 0.9406

0.01, 0.5 : 0.9272, 0.9405

0.01, 0.6 : 0.9274, 0.9403

0.01, 0.7 : 0.9275, 0.9400

0.01, 0.8 : 0.9276, 0.9398

0.01, 0.9 : 0.9277, 0.9398

0.01, 1.0 : 0.9278, 0.9394

0.1, 0.1 : 0.9230, 0.9408

0.1, 0.2 : 0.9232, 0.9408

0.1, 0.3 : 0.9235, 0.9407

0.1, 0.4 : 0.9238, 0.9407

0.1, 0.5 : 0.9242, 0.9407

0.1, 0.6 : 0.9246, 0.9407

0.1, 0.7 : 0.9252, 0.9408

0.1, 0.8 : 0.9258, 0.9408

0.1, 0.9 : 0.9267, 0.9408

0.1, 1.0 : 0.9278, 0.9394

1, 0.1 : 0.9002, 0.9323

1, 0.2 : 0.9038, 0.9347

1, 0.3 : 0.9072, 0.9367

1, 0.4 : 0.9105, 0.9385

1, 0.5 : 0.9134, 0.9398

1, 0.6 : 0.9161, 0.9408

1, 0.7 : 0.9185, 0.9413

1, 0.8 : 0.9207, 0.9413

1, 0.9 : 0.9227, 0.9409

1, 1.0 : 0.9278, 0.9392

10, 0.1 : 0.5831, 0.6128

10, 0.2 : 0.6129, 0.6450

10, 0.3 : 0.6455, 0.6800

10, 0.4 : 0.6812, 0.7181

10, 0.5 : 0.7202, 0.7593

10, 0.6 : 0.7624, 0.8033

10, 0.7 : 0.8074, 0.8490

10, 0.8 : 0.8536, 0.8934

10, 0.9 : 0.8965, 0.9297

10, 1.0 : 0.9278, 0.9399

100, 0.1 : 0.1144, 0.1010

100, 0.2 : 0.1270, 0.1148

100, 0.3 : 0.1428, 0.1321

100, 0.4 : 0.1630, 0.1542

100, 0.5 : 0.1900, 0.1837

100, 0.6 : 0.2276, 0.2249

100, 0.7 : 0.2837, 0.2864

100, 0.8 : 0.3764, 0.3877

100, 0.9 : 0.5557, 0.5832

100, 1.0 : 0.9274, 0.9406

Grid search of Elastic Net, Morgan(r = 3)

0.001, 0.1 : 0.9612, 0.9601

0.001, 0.2 : 0.9612, 0.9601

0.001, 0.3 : 0.9612, 0.9600

0.001, 0.4 : 0.9612, 0.9599

0.001, 0.5 : 0.9612, 0.9597

0.001, 0.6 : 0.9612, 0.9594

0.001, 0.7 : 0.9612, 0.9589

0.001, 0.8 : 0.9612, 0.9583

0.001, 0.9 : 0.9612, 0.9574

0.001, 1.0 : 0.9612, 0.9562

0.01, 0.1 : 0.9604, 0.9605

0.01, 0.2 : 0.9605, 0.9605

0.01, 0.3 : 0.9606, 0.9604

0.01, 0.4 : 0.9607, 0.9604

0.01, 0.5 : 0.9608, 0.9600

0.01, 0.6 : 0.9609, 0.9592

0.01, 0.7 : 0.9610, 0.9585

0.01, 0.8 : 0.9611, 0.9590

0.01, 0.9 : 0.9612, 0.9601

0.01, 1.0 : 0.9612, 0.9562

0.1, 0.1 : 0.9546, 0.9601

0.1, 0.2 : 0.9550, 0.9601

0.1, 0.3 : 0.9555, 0.9601

0.1, 0.4 : 0.9561, 0.9602

0.1, 0.5 : 0.9568, 0.9602

0.1, 0.6 : 0.9575, 0.9603

0.1, 0.7 : 0.9583, 0.9603

0.1, 0.8 : 0.9592, 0.9603

0.1, 0.9 : 0.9603, 0.9605

0.1, 1.0 : 0.9612, 0.9563

1, 0.1 : 0.9359, 0.9556

1, 0.2 : 0.9383, 0.9570

1, 0.3 : 0.9406, 0.9582

1, 0.4 : 0.9428, 0.9592

1, 0.5 : 0.9449, 0.9599

1, 0.6 : 0.9469, 0.9603

1, 0.7 : 0.9489, 0.9604

1, 0.8 : 0.9511, 0.9603

1, 0.9 : 0.9541, 0.9601

1, 1.0 : 0.9612, 0.9574

10, 0.1 : 0.6791, 0.6967

10, 0.2 : 0.7067, 0.7262

10, 0.3 : 0.7361, 0.7576

10, 0.4 : 0.7673, 0.7908

10, 0.5 : 0.8003, 0.8256

10, 0.6 : 0.8347, 0.8614

10, 0.7 : 0.8697, 0.8969

10, 0.8 : 0.9037, 0.9295

10, 0.9 : 0.9334, 0.9539

10, 1.0 : 0.9612, 0.9601

100, 0.1 : 0.1553, 0.1383

100, 0.2 : 0.1717, 0.1556

100, 0.3 : 0.1920, 0.1770

100, 0.4 : 0.2178, 0.2042

100, 0.5 : 0.2516, 0.2399

100, 0.6 : 0.2977, 0.2887

100, 0.7 : 0.3645, 0.3597

100, 0.8 : 0.4691, 0.4715

100, 0.9 : 0.6531, 0.6688

100, 1.0 : 0.9610, 0.9609

Grid search of Elastic Net, Morgan(r = 4)

0.001, 0.1 : 0.9677, 0.9408

0.001, 0.2 : 0.9677, 0.9397

0.001, 0.3 : 0.9677, 0.9381

0.001, 0.4 : 0.9677, 0.9358

0.001, 0.5 : 0.9677, 0.9327

0.001, 0.6 : 0.9677, 0.9285

0.001, 0.7 : 0.9677, 0.9227

0.001, 0.8 : 0.9677, 0.9149

0.001, 0.9 : 0.9677, 0.9043

0.001, 1.0 : 0.9677, 0.8903

0.01, 0.1 : 0.9666, 0.9468

0.01, 0.2 : 0.9667, 0.9450

0.01, 0.3 : 0.9669, 0.9424

0.01, 0.4 : 0.9670, 0.9390

0.01, 0.5 : 0.9672, 0.9359

0.01, 0.6 : 0.9673, 0.9348

0.01, 0.7 : 0.9675, 0.9373

0.01, 0.8 : 0.9676, 0.9411

0.01, 0.9 : 0.9677, 0.9415

0.01, 1.0 : 0.9677, 0.8904

0.1, 0.1 : 0.9581, 0.9557

0.1, 0.2 : 0.9587, 0.9555

0.1, 0.3 : 0.9594, 0.9551

0.1, 0.4 : 0.9602, 0.9546

0.1, 0.5 : 0.9611, 0.9540

0.1, 0.6 : 0.9622, 0.9533

0.1, 0.7 : 0.9634, 0.9521

0.1, 0.8 : 0.9648, 0.9502

0.1, 0.9 : 0.9664, 0.9480

0.1, 1.0 : 0.9677, 0.8910

1, 0.1 : 0.9382, 0.9522

1, 0.2 : 0.9404, 0.9537

1, 0.3 : 0.9426, 0.9549

1, 0.4 : 0.9447, 0.9560

1, 0.5 : 0.9468, 0.9568

1, 0.6 : 0.9489, 0.9574

1, 0.7 : 0.9511, 0.9576

1, 0.8 : 0.9536, 0.9573

1, 0.9 : 0.9575, 0.9560

1, 1.0 : 0.9677, 0.8974

10, 0.1 : 0.7021, 0.7117

10, 0.2 : 0.7284, 0.7396

10, 0.3 : 0.7562, 0.7692

10, 0.4 : 0.7854, 0.8002

10, 0.5 : 0.8159, 0.8323

10, 0.6 : 0.8473, 0.8652

10, 0.7 : 0.8789, 0.8976

10, 0.8 : 0.9092, 0.9275

10, 0.9 : 0.9358, 0.9506

10, 1.0 : 0.9677, 0.9173

100, 0.1 : 0.1684, 0.1495

100, 0.2 : 0.1860, 0.1677

100, 0.3 : 0.2077, 0.1902

100, 0.4 : 0.2351, 0.2187

100, 0.5 : 0.2708, 0.2560

100, 0.6 : 0.3192, 0.3066

100, 0.7 : 0.3885, 0.3793

100, 0.8 : 0.4954, 0.4921

100, 0.9 : 0.6771, 0.6851

100, 1.0 : 0.9675, 0.9367

Grid search of Elastic Net, MACCS

0.001, 0.1 : 0.8890, 0.9134

0.001, 0.2 : 0.8890, 0.9134

0.001, 0.3 : 0.8890, 0.9133

0.001, 0.4 : 0.8890, 0.9133

0.001, 0.5 : 0.8890, 0.9132

0.001, 0.6 : 0.8890, 0.9131

0.001, 0.7 : 0.8890, 0.9130

0.001, 0.8 : 0.8890, 0.9129

0.001, 0.9 : 0.8891, 0.9127

0.001, 1.0 : 0.8891, 0.9125

0.01, 0.1 : 0.8884, 0.9147

0.01, 0.2 : 0.8885, 0.9146

0.01, 0.3 : 0.8886, 0.9145

0.01, 0.4 : 0.8887, 0.9144

0.01, 0.5 : 0.8887, 0.9142

0.01, 0.6 : 0.8888, 0.9141

0.01, 0.7 : 0.8889, 0.9139

0.01, 0.8 : 0.8890, 0.9137

0.01, 0.9 : 0.8890, 0.9135

0.01, 1.0 : 0.8891, 0.9125

0.1, 0.1 : 0.8774, 0.9176

0.1, 0.2 : 0.8789, 0.9177

0.1, 0.3 : 0.8803, 0.9177

0.1, 0.4 : 0.8818, 0.9176

0.1, 0.5 : 0.8832, 0.9174

0.1, 0.6 : 0.8846, 0.9170

0.1, 0.7 : 0.8859, 0.9165

0.1, 0.8 : 0.8872, 0.9158

0.1, 0.9 : 0.8883, 0.9149

0.1, 1.0 : 0.8891, 0.9125

1, 0.1 : 0.7471, 0.8100

1, 0.2 : 0.7621, 0.8253

1, 0.3 : 0.7776, 0.8407

1, 0.4 : 0.7936, 0.8562

1, 0.5 : 0.8101, 0.8716

1, 0.6 : 0.8269, 0.8863

1, 0.7 : 0.8438, 0.8999

1, 0.8 : 0.8603, 0.9110

1, 0.9 : 0.8759, 0.9174

1, 1.0 : 0.8891, 0.9126

10, 0.1 : 0.2948, 0.3037

10, 0.2 : 0.3179, 0.3300

10, 0.3 : 0.3451, 0.3609

10, 0.4 : 0.3776, 0.3979

10, 0.5 : 0.4171, 0.4431

10, 0.6 : 0.4663, 0.4992

10, 0.7 : 0.5295, 0.5712

10, 0.8 : 0.6139, 0.6663

10, 0.9 : 0.7326, 0.7950

10, 1.0 : 0.8890, 0.9131

100, 0.1 : 0.0439, 0.0237

100, 0.2 : 0.0490, 0.0293

100, 0.3 : 0.0555, 0.0364

100, 0.4 : 0.0640, 0.0456

100, 0.5 : 0.0755, 0.0583

100, 0.6 : 0.0921, 0.0765

100, 0.7 : 0.1181, 0.1052

100, 0.8 : 0.1648, 0.1572

100, 0.9 : 0.2748, 0.2810

100, 1.0 : 0.8889, 0.9139

Grid search of Elastic Net, Topological

0.001, 0.1 : 0.9846, 0.8740

0.001, 0.2 : 0.9847, 0.8704

0.001, 0.3 : 0.9849, 0.8657

0.001, 0.4 : 0.9850, 0.8598

0.001, 0.5 : 0.9851, 0.8522

0.001, 0.6 : 0.9852, 0.8425

0.001, 0.7 : 0.9852, 0.8300

0.001, 0.8 : 0.9853, 0.8140

0.001, 0.9 : 0.9854, 0.7933

0.001, 1.0 : 0.9855, 0.7664

0.01, 0.1 : 0.9779, 0.9176

0.01, 0.2 : 0.9785, 0.9141

0.01, 0.3 : 0.9791, 0.9106

0.01, 0.4 : 0.9798, 0.9064

0.01, 0.5 : 0.9806, 0.9008

0.01, 0.6 : 0.9814, 0.8935

0.01, 0.7 : 0.9823, 0.8869

0.01, 0.8 : 0.9834, 0.8845

0.01, 0.9 : 0.9845, 0.8768

0.01, 1.0 : 0.9855, 0.7665

0.1, 0.1 : 0.9621, 0.9499

0.1, 0.2 : 0.9631, 0.9492

0.1, 0.3 : 0.9644, 0.9494

0.1, 0.4 : 0.9658, 0.9473

0.1, 0.5 : 0.9671, 0.9464

0.1, 0.6 : 0.9688, 0.9451

0.1, 0.7 : 0.9709, 0.9363

0.1, 0.8 : 0.9735, 0.9353

0.1, 0.9 : 0.9774, 0.9213

0.1, 1.0 : 0.9855, 0.7675

1, 0.1 : 0.9333, 0.9450

1, 0.2 : 0.9351, 0.9459

1, 0.3 : 0.9371, 0.9469

1, 0.4 : 0.9393, 0.9478

1, 0.5 : 0.9418, 0.9487

1, 0.6 : 0.9449, 0.9498

1, 0.7 : 0.9486, 0.9506

1, 0.8 : 0.9536, 0.9513

1, 0.9 : 0.9611, 0.9505

1, 1.0 : 0.9855, 0.7763

10, 0.1 : 0.8461, 0.8651

10, 0.2 : 0.8560, 0.8751

10, 0.3 : 0.8660, 0.8852

10, 0.4 : 0.8761, 0.8952

10, 0.5 : 0.8864, 0.9052

10, 0.6 : 0.8967, 0.9152

10, 0.7 : 0.9073, 0.9250

10, 0.8 : 0.9184, 0.9346

10, 0.9 : 0.9317, 0.9440

10, 1.0 : 0.9854, 0.8032

100, 0.1 : 0.4074, 0.4057

100, 0.2 : 0.4360, 0.4360

100, 0.3 : 0.4689, 0.4708

100, 0.4 : 0.5070, 0.5112

100, 0.5 : 0.5518, 0.5586

100, 0.6 : 0.6049, 0.6146

100, 0.7 : 0.6685, 0.6814

100, 0.8 : 0.7450, 0.7613

100, 0.9 : 0.8361, 0.8550

100, 1.0 : 0.9840, 0.7994

Grid search of Random Forest

RandomForestRegressor(n\_estimators = i, max\_depth = j, min\_samples\_split = k, min\_samples\_leaf = l)

i, j, k, l : accuracy of prediction using cross validation, accuracy of prediction using test data

Grid search of Random Forest, Avalon

100, None, 2, 1 : 0.9820, 0.9022

500, None, 2, 1 : 0.9834, 0.8955

1000, None, 2, 1 : 0.9841, 0.8953

100, None, 5, 1 : 0.9699, 0.8950

500, None, 5, 1 : 0.9709, 0.8957

1000, None, 5, 1 : 0.9707, 0.8909

100, None, 10, 1 : 0.9664, 0.8910

500, None, 10, 1 : 0.9661, 0.8902

1000, None, 10, 1 : 0.9666, 0.8903

100, None, 2, 2 : 0.9653, 0.9370

500, None, 2, 2 : 0.9659, 0.9306

1000, None, 2, 2 : 0.9647, 0.9326

100, None, 5, 2 : 0.9621, 0.9307

500, None, 5, 2 : 0.9625, 0.9293

1000, None, 5, 2 : 0.9619, 0.9293

100, None, 10, 2 : 0.9532, 0.9242

500, None, 10, 2 : 0.9543, 0.9268

1000, None, 10, 2 : 0.9532, 0.9255

100, None, 2, 4 : 0.9367, 0.9271

500, None, 2, 4 : 0.9403, 0.9323

1000, None, 2, 4 : 0.9392, 0.9319

100, None, 5, 4 : 0.9393, 0.9306

500, None, 5, 4 : 0.9383, 0.9291

1000, None, 5, 4 : 0.9387, 0.9309

100, None, 10, 4 : 0.9355, 0.9313

500, None, 10, 4 : 0.9353, 0.9270

1000, None, 10, 4 : 0.9337, 0.9259

100, 10, 2, 1 : 0.9839, 0.8875

500, 10, 2, 1 : 0.9829, 0.8930

1000, 10, 2, 1 : 0.9830, 0.8958

100, 10, 5, 1 : 0.9695, 0.8969

500, 10, 5, 1 : 0.9701, 0.8900

1000, 10, 5, 1 : 0.9693, 0.8920

100, 10, 10, 1 : 0.9663, 0.8884

500, 10, 10, 1 : 0.9652, 0.8951

1000, 10, 10, 1 : 0.9654, 0.8928

100, 10, 2, 2 : 0.9659, 0.9311

500, 10, 2, 2 : 0.9645, 0.9299

1000, 10, 2, 2 : 0.9646, 0.9337

100, 10, 5, 2 : 0.9610, 0.9286

500, 10, 5, 2 : 0.9613, 0.9285

1000, 10, 5, 2 : 0.9618, 0.9299

100, 10, 10, 2 : 0.9531, 0.9307

500, 10, 10, 2 : 0.9525, 0.9266

1000, 10, 10, 2 : 0.9533, 0.9262

100, 10, 2, 4 : 0.9401, 0.9346

500, 10, 2, 4 : 0.9386, 0.9291

1000, 10, 2, 4 : 0.9391, 0.9295

100, 10, 5, 4 : 0.9397, 0.9372

500, 10, 5, 4 : 0.9390, 0.9303

1000, 10, 5, 4 : 0.9388, 0.9309

100, 10, 10, 4 : 0.9334, 0.9298

500, 10, 10, 4 : 0.9340, 0.9267

1000, 10, 10, 4 : 0.9342, 0.9262

100, 20, 2, 1 : 0.9832, 0.8983

500, 20, 2, 1 : 0.9834, 0.8973

1000, 20, 2, 1 : 0.9836, 0.8941

100, 20, 5, 1 : 0.9703, 0.8917

500, 20, 5, 1 : 0.9706, 0.8950

1000, 20, 5, 1 : 0.9708, 0.8915

100, 20, 10, 1 : 0.9656, 0.8858

500, 20, 10, 1 : 0.9664, 0.8917

1000, 20, 10, 1 : 0.9665, 0.8949

100, 20, 2, 2 : 0.9647, 0.9276

500, 20, 2, 2 : 0.9656, 0.9301

1000, 20, 2, 2 : 0.9651, 0.9299

100, 20, 5, 2 : 0.9604, 0.9307

500, 20, 5, 2 : 0.9617, 0.9304

1000, 20, 5, 2 : 0.9623, 0.9310

100, 20, 10, 2 : 0.9534, 0.9234

500, 20, 10, 2 : 0.9535, 0.9259

1000, 20, 10, 2 : 0.9534, 0.9272

100, 20, 2, 4 : 0.9375, 0.9284

500, 20, 2, 4 : 0.9398, 0.9307

1000, 20, 2, 4 : 0.9397, 0.9299

100, 20, 5, 4 : 0.9393, 0.9243

500, 20, 5, 4 : 0.9389, 0.9299

1000, 20, 5, 4 : 0.9391, 0.9301

100, 20, 10, 4 : 0.9342, 0.9211

500, 20, 10, 4 : 0.9340, 0.9270

1000, 20, 10, 4 : 0.9350, 0.9275

100, 30, 2, 1 : 0.9846, 0.8930

500, 30, 2, 1 : 0.9841, 0.8942

1000, 30, 2, 1 : 0.9841, 0.8961

100, 30, 5, 1 : 0.9704, 0.8864

500, 30, 5, 1 : 0.9705, 0.8921

1000, 30, 5, 1 : 0.9704, 0.8924

100, 30, 10, 1 : 0.9652, 0.8860

500, 30, 10, 1 : 0.9660, 0.8903

1000, 30, 10, 1 : 0.9663, 0.8914

100, 30, 2, 2 : 0.9666, 0.9337

500, 30, 2, 2 : 0.9654, 0.9299

1000, 30, 2, 2 : 0.9651, 0.9313

100, 30, 5, 2 : 0.9628, 0.9281

500, 30, 5, 2 : 0.9624, 0.9305

1000, 30, 5, 2 : 0.9627, 0.9320

100, 30, 10, 2 : 0.9532, 0.9243

500, 30, 10, 2 : 0.9536, 0.9262

1000, 30, 10, 2 : 0.9537, 0.9262

100, 30, 2, 4 : 0.9408, 0.9230

500, 30, 2, 4 : 0.9394, 0.9307

1000, 30, 2, 4 : 0.9394, 0.9299

100, 30, 5, 4 : 0.9392, 0.9287

500, 30, 5, 4 : 0.9400, 0.9291

1000, 30, 5, 4 : 0.9394, 0.9287

100, 30, 10, 4 : 0.9338, 0.9249

500, 30, 10, 4 : 0.9337, 0.9251

1000, 30, 10, 4 : 0.9343, 0.9269

Grid search of Random Forest, Morgan (r = 2)

100, None, 2, 1 : 0.9776, 0.9053

500, None, 2, 1 : 0.9779, 0.9046

1000, None, 2, 1 : 0.9778, 0.9046

100, None, 5, 1 : 0.9611, 0.8972

500, None, 5, 1 : 0.9607, 0.9055

1000, None, 5, 1 : 0.9606, 0.9042

100, None, 10, 1 : 0.9532, 0.9075

500, None, 10, 1 : 0.9528, 0.9040

1000, None, 10, 1 : 0.9528, 0.9015

100, None, 2, 2 : 0.9477, 0.9525

500, None, 2, 2 : 0.9488, 0.9543

1000, None, 2, 2 : 0.9483, 0.9539

100, None, 5, 2 : 0.9457, 0.9511

500, None, 5, 2 : 0.9461, 0.9534

1000, None, 5, 2 : 0.9464, 0.9528

100, None, 10, 2 : 0.9329, 0.9392

500, None, 10, 2 : 0.9340, 0.9348

1000, None, 10, 2 : 0.9349, 0.9381

100, None, 2, 4 : 0.9218, 0.9376

500, None, 2, 4 : 0.9213, 0.9351

1000, None, 2, 4 : 0.9208, 0.9357

100, None, 5, 4 : 0.9209, 0.9372

500, None, 5, 4 : 0.9208, 0.9351

1000, None, 5, 4 : 0.9210, 0.9372

100, None, 10, 4 : 0.9197, 0.9343

500, None, 10, 4 : 0.9190, 0.9308

1000, None, 10, 4 : 0.9194, 0.9313

100, 10, 2, 1 : 0.9752, 0.9044

500, 10, 2, 1 : 0.9751, 0.9072

1000, 10, 2, 1 : 0.9756, 0.9053

100, 10, 5, 1 : 0.9575, 0.9143

500, 10, 5, 1 : 0.9578, 0.9071

1000, 10, 5, 1 : 0.9584, 0.9027

100, 10, 10, 1 : 0.9496, 0.9026

500, 10, 10, 1 : 0.9508, 0.9002

1000, 10, 10, 1 : 0.9509, 0.8999

100, 10, 2, 2 : 0.9454, 0.9549

500, 10, 2, 2 : 0.9453, 0.9542

1000, 10, 2, 2 : 0.9462, 0.9520

100, 10, 5, 2 : 0.9420, 0.9476

500, 10, 5, 2 : 0.9445, 0.9498

1000, 10, 5, 2 : 0.9441, 0.9539

100, 10, 10, 2 : 0.9324, 0.9362

500, 10, 10, 2 : 0.9314, 0.9362

1000, 10, 10, 2 : 0.9333, 0.9366

100, 10, 2, 4 : 0.9192, 0.9361

500, 10, 2, 4 : 0.9195, 0.9341

1000, 10, 2, 4 : 0.9195, 0.9356

100, 10, 5, 4 : 0.9192, 0.9389

500, 10, 5, 4 : 0.9198, 0.9339

1000, 10, 5, 4 : 0.9194, 0.9355

100, 10, 10, 4 : 0.9177, 0.9292

500, 10, 10, 4 : 0.9177, 0.9299

1000, 10, 10, 4 : 0.9178, 0.9286

100, 20, 2, 1 : 0.9773, 0.9108

500, 20, 2, 1 : 0.9778, 0.9009

1000, 20, 2, 1 : 0.9783, 0.9044

100, 20, 5, 1 : 0.9612, 0.9094

500, 20, 5, 1 : 0.9600, 0.9021

1000, 20, 5, 1 : 0.9606, 0.9033

100, 20, 10, 1 : 0.9531, 0.8944

500, 20, 10, 1 : 0.9530, 0.9012

1000, 20, 10, 1 : 0.9527, 0.9008

100, 20, 2, 2 : 0.9470, 0.9443

500, 20, 2, 2 : 0.9485, 0.9561

1000, 20, 2, 2 : 0.9486, 0.9532

100, 20, 5, 2 : 0.9458, 0.9536

500, 20, 5, 2 : 0.9475, 0.9551

1000, 20, 5, 2 : 0.9464, 0.9509

100, 20, 10, 2 : 0.9345, 0.9397

500, 20, 10, 2 : 0.9340, 0.9385

1000, 20, 10, 2 : 0.9345, 0.9372

100, 20, 2, 4 : 0.9216, 0.9319

500, 20, 2, 4 : 0.9214, 0.9358

1000, 20, 2, 4 : 0.9213, 0.9365

100, 20, 5, 4 : 0.9209, 0.9382

500, 20, 5, 4 : 0.9213, 0.9349

1000, 20, 5, 4 : 0.9211, 0.9352

100, 20, 10, 4 : 0.9192, 0.9315

500, 20, 10, 4 : 0.9195, 0.9324

1000, 20, 10, 4 : 0.9191, 0.9313

100, 30, 2, 1 : 0.9792, 0.9058

500, 30, 2, 1 : 0.9778, 0.9044

1000, 30, 2, 1 : 0.9781, 0.9054

100, 30, 5, 1 : 0.9606, 0.9077

500, 30, 5, 1 : 0.9596, 0.9058

1000, 30, 5, 1 : 0.9602, 0.9037

100, 30, 10, 1 : 0.9525, 0.8999

500, 30, 10, 1 : 0.9529, 0.9032

1000, 30, 10, 1 : 0.9527, 0.9020

100, 30, 2, 2 : 0.9483, 0.9546

500, 30, 2, 2 : 0.9477, 0.9525

1000, 30, 2, 2 : 0.9479, 0.9552

100, 30, 5, 2 : 0.9462, 0.9505

500, 30, 5, 2 : 0.9458, 0.9554

1000, 30, 5, 2 : 0.9465, 0.9523

100, 30, 10, 2 : 0.9339, 0.9370

500, 30, 10, 2 : 0.9348, 0.9371

1000, 30, 10, 2 : 0.9352, 0.9378

100, 30, 2, 4 : 0.9213, 0.9371

500, 30, 2, 4 : 0.9211, 0.9372

1000, 30, 2, 4 : 0.9211, 0.9354

100, 30, 5, 4 : 0.9206, 0.9373

500, 30, 5, 4 : 0.9209, 0.9354

1000, 30, 5, 4 : 0.9212, 0.9361

100, 30, 10, 4 : 0.9191, 0.9374

500, 30, 10, 4 : 0.9192, 0.9296

1000, 30, 10, 4 : 0.9195, 0.9329

Grid search of Random Forest, Morgan (r = 3)

100, None, 2, 1 : 0.9817, 0.9353

500, None, 2, 1 : 0.9829, 0.9310

1000, None, 2, 1 : 0.9825, 0.9349

100, None, 5, 1 : 0.9790, 0.9300

500, None, 5, 1 : 0.9793, 0.9340

1000, None, 5, 1 : 0.9795, 0.9306

100, None, 10, 1 : 0.9716, 0.9228

500, None, 10, 1 : 0.9718, 0.9259

1000, None, 10, 1 : 0.9728, 0.9242

100, None, 2, 2 : 0.9525, 0.9570

500, None, 2, 2 : 0.9547, 0.9607

1000, None, 2, 2 : 0.9537, 0.9582

100, None, 5, 2 : 0.9552, 0.9586

500, None, 5, 2 : 0.9539, 0.9582

1000, None, 5, 2 : 0.9522, 0.9574

100, None, 10, 2 : 0.9437, 0.9535

500, None, 10, 2 : 0.9437, 0.9523

1000, None, 10, 2 : 0.9434, 0.9504

100, None, 2, 4 : 0.9228, 0.9425

500, None, 2, 4 : 0.9222, 0.9423

1000, None, 2, 4 : 0.9222, 0.9427

100, None, 5, 4 : 0.9225, 0.9402

500, None, 5, 4 : 0.9224, 0.9416

1000, None, 5, 4 : 0.9225, 0.9433

100, None, 10, 4 : 0.9219, 0.9461

500, None, 10, 4 : 0.9215, 0.9428

1000, None, 10, 4 : 0.9220, 0.9428

100, 10, 2, 1 : 0.9804, 0.9414

500, 10, 2, 1 : 0.9792, 0.9298

1000, 10, 2, 1 : 0.9790, 0.9264

100, 10, 5, 1 : 0.9781, 0.9271

500, 10, 5, 1 : 0.9771, 0.9331

1000, 10, 5, 1 : 0.9767, 0.9281

100, 10, 10, 1 : 0.9695, 0.9258

500, 10, 10, 1 : 0.9694, 0.9261

1000, 10, 10, 1 : 0.9695, 0.9260

100, 10, 2, 2 : 0.9497, 0.9586

500, 10, 2, 2 : 0.9518, 0.9572

1000, 10, 2, 2 : 0.9511, 0.9597

100, 10, 5, 2 : 0.9496, 0.9578

500, 10, 5, 2 : 0.9492, 0.9559

1000, 10, 5, 2 : 0.9500, 0.9573

100, 10, 10, 2 : 0.9429, 0.9505

500, 10, 10, 2 : 0.9420, 0.9511

1000, 10, 10, 2 : 0.9419, 0.9514

100, 10, 2, 4 : 0.9202, 0.9403

500, 10, 2, 4 : 0.9206, 0.9414

1000, 10, 2, 4 : 0.9207, 0.9424

100, 10, 5, 4 : 0.9197, 0.9452

500, 10, 5, 4 : 0.9200, 0.9388

1000, 10, 5, 4 : 0.9203, 0.9419

100, 10, 10, 4 : 0.9195, 0.9440

500, 10, 10, 4 : 0.9192, 0.9406

1000, 10, 10, 4 : 0.9198, 0.9420

100, 20, 2, 1 : 0.9819, 0.9302

500, 20, 2, 1 : 0.9816, 0.9316

1000, 20, 2, 1 : 0.9826, 0.9327

100, 20, 5, 1 : 0.9778, 0.9412

500, 20, 5, 1 : 0.9803, 0.9310

1000, 20, 5, 1 : 0.9805, 0.9282

100, 20, 10, 1 : 0.9746, 0.9246

500, 20, 10, 1 : 0.9703, 0.9300

1000, 20, 10, 1 : 0.9734, 0.9253

100, 20, 2, 2 : 0.9544, 0.9552

500, 20, 2, 2 : 0.9544, 0.9588

1000, 20, 2, 2 : 0.9534, 0.9592

100, 20, 5, 2 : 0.9517, 0.9535

500, 20, 5, 2 : 0.9516, 0.9575

1000, 20, 5, 2 : 0.9530, 0.9591

100, 20, 10, 2 : 0.9443, 0.9530

500, 20, 10, 2 : 0.9437, 0.9497

1000, 20, 10, 2 : 0.9438, 0.9520

100, 20, 2, 4 : 0.9224, 0.9381

500, 20, 2, 4 : 0.9222, 0.9427

1000, 20, 2, 4 : 0.9222, 0.9437

100, 20, 5, 4 : 0.9228, 0.9425

500, 20, 5, 4 : 0.9223, 0.9418

1000, 20, 5, 4 : 0.9223, 0.9428

100, 20, 10, 4 : 0.9208, 0.9422

500, 20, 10, 4 : 0.9216, 0.9422

1000, 20, 10, 4 : 0.9218, 0.9420

100, 30, 2, 1 : 0.9825, 0.9277

500, 30, 2, 1 : 0.9823, 0.9319

1000, 30, 2, 1 : 0.9819, 0.9290

100, 30, 5, 1 : 0.9797, 0.9273

500, 30, 5, 1 : 0.9798, 0.9316

1000, 30, 5, 1 : 0.9803, 0.9285

100, 30, 10, 1 : 0.9725, 0.9253

500, 30, 10, 1 : 0.9730, 0.9255

1000, 30, 10, 1 : 0.9724, 0.9247

100, 30, 2, 2 : 0.9524, 0.9555

500, 30, 2, 2 : 0.9535, 0.9594

1000, 30, 2, 2 : 0.9535, 0.9601

100, 30, 5, 2 : 0.9512, 0.9609

500, 30, 5, 2 : 0.9519, 0.9582

1000, 30, 5, 2 : 0.9530, 0.9573

100, 30, 10, 2 : 0.9423, 0.9479

500, 30, 10, 2 : 0.9435, 0.9515

1000, 30, 10, 2 : 0.9438, 0.9530

100, 30, 2, 4 : 0.9224, 0.9425

500, 30, 2, 4 : 0.9224, 0.9435

1000, 30, 2, 4 : 0.9222, 0.9419

100, 30, 5, 4 : 0.9222, 0.9440

500, 30, 5, 4 : 0.9224, 0.9440

1000, 30, 5, 4 : 0.9222, 0.9429

100, 30, 10, 4 : 0.9217, 0.9447

500, 30, 10, 4 : 0.9216, 0.9419

1000, 30, 10, 4 : 0.9216, 0.9429

Grid search of Random Forest, Morgan (r = 4)

100, None, 2, 1 : 0.9802, 0.9366

500, None, 2, 1 : 0.9818, 0.9343

1000, None, 2, 1 : 0.9827, 0.9383

100, None, 5, 1 : 0.9797, 0.9289

500, None, 5, 1 : 0.9794, 0.9374

1000, None, 5, 1 : 0.9792, 0.9335

100, None, 10, 1 : 0.9707, 0.9346

500, None, 10, 1 : 0.9738, 0.9305

1000, None, 10, 1 : 0.9722, 0.9300

100, None, 2, 2 : 0.9549, 0.9562

500, None, 2, 2 : 0.9553, 0.9566

1000, None, 2, 2 : 0.9547, 0.9548

100, None, 5, 2 : 0.9533, 0.9569

500, None, 5, 2 : 0.9534, 0.9552

1000, None, 5, 2 : 0.9532, 0.9553

100, None, 10, 2 : 0.9428, 0.9462

500, None, 10, 2 : 0.9441, 0.9501

1000, None, 10, 2 : 0.9451, 0.9505

100, None, 2, 4 : 0.9226, 0.9420

500, None, 2, 4 : 0.9229, 0.9433

1000, None, 2, 4 : 0.9226, 0.9438

100, None, 5, 4 : 0.9216, 0.9357

500, None, 5, 4 : 0.9230, 0.9421

1000, None, 5, 4 : 0.9228, 0.9428

100, None, 10, 4 : 0.9226, 0.9454

500, None, 10, 4 : 0.9218, 0.9414

1000, None, 10, 4 : 0.9219, 0.9421

100, 10, 2, 1 : 0.9782, 0.9293

500, 10, 2, 1 : 0.9795, 0.9379

1000, 10, 2, 1 : 0.9790, 0.9379

100, 10, 5, 1 : 0.9782, 0.9272

500, 10, 5, 1 : 0.9767, 0.9322

1000, 10, 5, 1 : 0.9764, 0.9316

100, 10, 10, 1 : 0.9665, 0.9338

500, 10, 10, 1 : 0.9699, 0.9288

1000, 10, 10, 1 : 0.9698, 0.9286

100, 10, 2, 2 : 0.9506, 0.9518

500, 10, 2, 2 : 0.9527, 0.9535

1000, 10, 2, 2 : 0.9516, 0.9552

100, 10, 5, 2 : 0.9497, 0.9577

500, 10, 5, 2 : 0.9511, 0.9549

1000, 10, 5, 2 : 0.9507, 0.9530

100, 10, 10, 2 : 0.9428, 0.9490

500, 10, 10, 2 : 0.9430, 0.9474

1000, 10, 10, 2 : 0.9431, 0.9471

100, 10, 2, 4 : 0.9206, 0.9423

500, 10, 2, 4 : 0.9205, 0.9406

1000, 10, 2, 4 : 0.9209, 0.9412

100, 10, 5, 4 : 0.9205, 0.9381

500, 10, 5, 4 : 0.9208, 0.9418

1000, 10, 5, 4 : 0.9209, 0.9413

100, 10, 10, 4 : 0.9198, 0.9376

500, 10, 10, 4 : 0.9202, 0.9391

1000, 10, 10, 4 : 0.9202, 0.9419

100, 20, 2, 1 : 0.9801, 0.9389

500, 20, 2, 1 : 0.9823, 0.9399

1000, 20, 2, 1 : 0.9818, 0.9375

100, 20, 5, 1 : 0.9787, 0.9467

500, 20, 5, 1 : 0.9803, 0.9364

1000, 20, 5, 1 : 0.9794, 0.9346

100, 20, 10, 1 : 0.9740, 0.9249

500, 20, 10, 1 : 0.9709, 0.9307

1000, 20, 10, 1 : 0.9723, 0.9299

100, 20, 2, 2 : 0.9544, 0.9563

500, 20, 2, 2 : 0.9552, 0.9562

1000, 20, 2, 2 : 0.9549, 0.9549

100, 20, 5, 2 : 0.9533, 0.9538

500, 20, 5, 2 : 0.9531, 0.9553

1000, 20, 5, 2 : 0.9536, 0.9574

100, 20, 10, 2 : 0.9443, 0.9464

500, 20, 10, 2 : 0.9449, 0.9484

1000, 20, 10, 2 : 0.9448, 0.9495

100, 20, 2, 4 : 0.9227, 0.9433

500, 20, 2, 4 : 0.9229, 0.9402

1000, 20, 2, 4 : 0.9229, 0.9421

100, 20, 5, 4 : 0.9222, 0.9414

500, 20, 5, 4 : 0.9228, 0.9423

1000, 20, 5, 4 : 0.9226, 0.9436

100, 20, 10, 4 : 0.9218, 0.9372

500, 20, 10, 4 : 0.9222, 0.9406

1000, 20, 10, 4 : 0.9220, 0.9397

100, 30, 2, 1 : 0.9831, 0.9346

500, 30, 2, 1 : 0.9805, 0.9396

1000, 30, 2, 1 : 0.9825, 0.9377

100, 30, 5, 1 : 0.9787, 0.9436

500, 30, 5, 1 : 0.9796, 0.9350

1000, 30, 5, 1 : 0.9796, 0.9359

100, 30, 10, 1 : 0.9732, 0.9289

500, 30, 10, 1 : 0.9728, 0.9279

1000, 30, 10, 1 : 0.9722, 0.9269

100, 30, 2, 2 : 0.9534, 0.9575

500, 30, 2, 2 : 0.9549, 0.9548

1000, 30, 2, 2 : 0.9537, 0.9567

100, 30, 5, 2 : 0.9535, 0.9546

500, 30, 5, 2 : 0.9530, 0.9540

1000, 30, 5, 2 : 0.9528, 0.9549

100, 30, 10, 2 : 0.9451, 0.9452

500, 30, 10, 2 : 0.9452, 0.9494

1000, 30, 10, 2 : 0.9450, 0.9496

100, 30, 2, 4 : 0.9218, 0.9413

500, 30, 2, 4 : 0.9226, 0.9402

1000, 30, 2, 4 : 0.9227, 0.9435

100, 30, 5, 4 : 0.9227, 0.9380

500, 30, 5, 4 : 0.9232, 0.9426

1000, 30, 5, 4 : 0.9228, 0.9408

100, 30, 10, 4 : 0.9216, 0.9327

500, 30, 10, 4 : 0.9218, 0.9401

1000, 30, 10, 4 : 0.9221, 0.9423

Grid search of Random Forest, MACCS

100, None, 2, 1 : 0.9514, 0.8576

500, None, 2, 1 : 0.9506, 0.8489

1000, None, 2, 1 : 0.9505, 0.8541

100, None, 5, 1 : 0.9384, 0.8712

500, None, 5, 1 : 0.9373, 0.8715

1000, None, 5, 1 : 0.9374, 0.8694

100, None, 10, 1 : 0.9274, 0.8776

500, None, 10, 1 : 0.9275, 0.8804

1000, None, 10, 1 : 0.9272, 0.8874

100, None, 2, 2 : 0.9284, 0.8993

500, None, 2, 2 : 0.9285, 0.9000

1000, None, 2, 2 : 0.9277, 0.9015

100, None, 5, 2 : 0.9257, 0.9058

500, None, 5, 2 : 0.9266, 0.9021

1000, None, 5, 2 : 0.9267, 0.9025

100, None, 10, 2 : 0.9181, 0.9141

500, None, 10, 2 : 0.9179, 0.9131

1000, None, 10, 2 : 0.9180, 0.9131

100, None, 2, 4 : 0.9105, 0.9089

500, None, 2, 4 : 0.9116, 0.9110

1000, None, 2, 4 : 0.9119, 0.9109

100, None, 5, 4 : 0.9116, 0.9113

500, None, 5, 4 : 0.9118, 0.9099

1000, None, 5, 4 : 0.9119, 0.9106

100, None, 10, 4 : 0.9106, 0.9110

500, None, 10, 4 : 0.9106, 0.9116

1000, None, 10, 4 : 0.9106, 0.9101

100, 10, 2, 1 : 0.9475, 0.8633

500, 10, 2, 1 : 0.9489, 0.8564

1000, 10, 2, 1 : 0.9489, 0.8544

100, 10, 5, 1 : 0.9375, 0.8633

500, 10, 5, 1 : 0.9360, 0.8708

1000, 10, 5, 1 : 0.9367, 0.8685

100, 10, 10, 1 : 0.9262, 0.8835

500, 10, 10, 1 : 0.9256, 0.8856

1000, 10, 10, 1 : 0.9257, 0.8835

100, 10, 2, 2 : 0.9261, 0.9038

500, 10, 2, 2 : 0.9267, 0.9022

1000, 10, 2, 2 : 0.9270, 0.9022

100, 10, 5, 2 : 0.9253, 0.9020

500, 10, 5, 2 : 0.9255, 0.9017

1000, 10, 5, 2 : 0.9261, 0.9028

100, 10, 10, 2 : 0.9165, 0.9122

500, 10, 10, 2 : 0.9170, 0.9147

1000, 10, 10, 2 : 0.9172, 0.9127

100, 10, 2, 4 : 0.9116, 0.9149

500, 10, 2, 4 : 0.9112, 0.9105

1000, 10, 2, 4 : 0.9113, 0.9128

100, 10, 5, 4 : 0.9109, 0.9115

500, 10, 5, 4 : 0.9111, 0.9106

1000, 10, 5, 4 : 0.9109, 0.9106

100, 10, 10, 4 : 0.9097, 0.9084

500, 10, 10, 4 : 0.9099, 0.9125

1000, 10, 10, 4 : 0.9102, 0.9117

100, 20, 2, 1 : 0.9512, 0.8430

500, 20, 2, 1 : 0.9499, 0.8563

1000, 20, 2, 1 : 0.9507, 0.8530

100, 20, 5, 1 : 0.9376, 0.8664

500, 20, 5, 1 : 0.9375, 0.8708

1000, 20, 5, 1 : 0.9379, 0.8704

100, 20, 10, 1 : 0.9284, 0.8682

500, 20, 10, 1 : 0.9266, 0.8850

1000, 20, 10, 1 : 0.9269, 0.8839

100, 20, 2, 2 : 0.9276, 0.9014

500, 20, 2, 2 : 0.9280, 0.9026

1000, 20, 2, 2 : 0.9277, 0.9014

100, 20, 5, 2 : 0.9263, 0.9013

500, 20, 5, 2 : 0.9264, 0.9019

1000, 20, 5, 2 : 0.9266, 0.9029

100, 20, 10, 2 : 0.9159, 0.9138

500, 20, 10, 2 : 0.9178, 0.9113

1000, 20, 10, 2 : 0.9176, 0.9143

100, 20, 2, 4 : 0.9118, 0.9115

500, 20, 2, 4 : 0.9118, 0.9091

1000, 20, 2, 4 : 0.9121, 0.9107

100, 20, 5, 4 : 0.9114, 0.9132

500, 20, 5, 4 : 0.9119, 0.9111

1000, 20, 5, 4 : 0.9118, 0.9100

100, 20, 10, 4 : 0.9110, 0.9126

500, 20, 10, 4 : 0.9108, 0.9123

1000, 20, 10, 4 : 0.9106, 0.9106

100, 30, 2, 1 : 0.9504, 0.8481

500, 30, 2, 1 : 0.9510, 0.8520

1000, 30, 2, 1 : 0.9509, 0.8538

100, 30, 5, 1 : 0.9375, 0.8650

500, 30, 5, 1 : 0.9368, 0.8726

1000, 30, 5, 1 : 0.9375, 0.8693

100, 30, 10, 1 : 0.9253, 0.8844

500, 30, 10, 1 : 0.9271, 0.8830

1000, 30, 10, 1 : 0.9267, 0.8828

100, 30, 2, 2 : 0.9280, 0.9001

500, 30, 2, 2 : 0.9279, 0.8996

1000, 30, 2, 2 : 0.9280, 0.9018

100, 30, 5, 2 : 0.9244, 0.9008

500, 30, 5, 2 : 0.9262, 0.9012

1000, 30, 5, 2 : 0.9267, 0.9015

100, 30, 10, 2 : 0.9167, 0.9156

500, 30, 10, 2 : 0.9180, 0.9121

1000, 30, 10, 2 : 0.9179, 0.9121

100, 30, 2, 4 : 0.9112, 0.9120

500, 30, 2, 4 : 0.9118, 0.9105

1000, 30, 2, 4 : 0.9118, 0.9108

100, 30, 5, 4 : 0.9120, 0.9144

500, 30, 5, 4 : 0.9112, 0.9093

1000, 30, 5, 4 : 0.9114, 0.9112

100, 30, 10, 4 : 0.9112, 0.9172

500, 30, 10, 4 : 0.9106, 0.9091

1000, 30, 10, 4 : 0.9108, 0.9116

Grid search of Random Forest, Topological

100, None, 2, 1 : 0.9815, 0.9110

500, None, 2, 1 : 0.9818, 0.9095

1000, None, 2, 1 : 0.9827, 0.9120

100, None, 5, 1 : 0.9707, 0.9154

500, None, 5, 1 : 0.9705, 0.9122

1000, None, 5, 1 : 0.9705, 0.9081

100, None, 10, 1 : 0.9663, 0.9023

500, None, 10, 1 : 0.9655, 0.9042

1000, None, 10, 1 : 0.9648, 0.9042

100, None, 2, 2 : 0.9683, 0.9122

500, None, 2, 2 : 0.9693, 0.9191

1000, None, 2, 2 : 0.9698, 0.9181

100, None, 5, 2 : 0.9651, 0.9160

500, None, 5, 2 : 0.9658, 0.9210

1000, None, 5, 2 : 0.9671, 0.9181

100, None, 10, 2 : 0.9609, 0.9142

500, None, 10, 2 : 0.9626, 0.9184

1000, None, 10, 2 : 0.9616, 0.9144

100, None, 2, 4 : 0.9464, 0.9302

500, None, 2, 4 : 0.9474, 0.9314

1000, None, 2, 4 : 0.9460, 0.9296

100, None, 5, 4 : 0.9468, 0.9349

500, None, 5, 4 : 0.9471, 0.9307

1000, None, 5, 4 : 0.9472, 0.9310

100, None, 10, 4 : 0.9443, 0.9210

500, None, 10, 4 : 0.9436, 0.9244

1000, None, 10, 4 : 0.9430, 0.9241

100, 10, 2, 1 : 0.9808, 0.9059

500, 10, 2, 1 : 0.9828, 0.9083

1000, 10, 2, 1 : 0.9813, 0.9117

100, 10, 5, 1 : 0.9674, 0.9050

500, 10, 5, 1 : 0.9703, 0.9093

1000, 10, 5, 1 : 0.9704, 0.9072

100, 10, 10, 1 : 0.9650, 0.9051

500, 10, 10, 1 : 0.9647, 0.9034

1000, 10, 10, 1 : 0.9649, 0.9043

100, 10, 2, 2 : 0.9694, 0.9163

500, 10, 2, 2 : 0.9693, 0.9152

1000, 10, 2, 2 : 0.9692, 0.9197

100, 10, 5, 2 : 0.9652, 0.9221

500, 10, 5, 2 : 0.9664, 0.9168

1000, 10, 5, 2 : 0.9654, 0.9163

100, 10, 10, 2 : 0.9606, 0.9103

500, 10, 10, 2 : 0.9614, 0.9126

1000, 10, 10, 2 : 0.9621, 0.9148

100, 10, 2, 4 : 0.9479, 0.9355

500, 10, 2, 4 : 0.9479, 0.9326

1000, 10, 2, 4 : 0.9458, 0.9286

100, 10, 5, 4 : 0.9467, 0.9322

500, 10, 5, 4 : 0.9461, 0.9279

1000, 10, 5, 4 : 0.9470, 0.9326

100, 10, 10, 4 : 0.9450, 0.9287

500, 10, 10, 4 : 0.9434, 0.9262

1000, 10, 10, 4 : 0.9437, 0.9220

100, 20, 2, 1 : 0.9841, 0.9052

500, 20, 2, 1 : 0.9821, 0.9078

1000, 20, 2, 1 : 0.9820, 0.9072

100, 20, 5, 1 : 0.9692, 0.9098

500, 20, 5, 1 : 0.9703, 0.9094

1000, 20, 5, 1 : 0.9711, 0.9086

100, 20, 10, 1 : 0.9662, 0.9069

500, 20, 10, 1 : 0.9653, 0.9031

1000, 20, 10, 1 : 0.9658, 0.9038

100, 20, 2, 2 : 0.9679, 0.9184

500, 20, 2, 2 : 0.9696, 0.9156

1000, 20, 2, 2 : 0.9700, 0.9190

100, 20, 5, 2 : 0.9680, 0.9205

500, 20, 5, 2 : 0.9655, 0.9178

1000, 20, 5, 2 : 0.9661, 0.9177

100, 20, 10, 2 : 0.9611, 0.9206

500, 20, 10, 2 : 0.9619, 0.9158

1000, 20, 10, 2 : 0.9623, 0.9150

100, 20, 2, 4 : 0.9488, 0.9253

500, 20, 2, 4 : 0.9481, 0.9301

1000, 20, 2, 4 : 0.9473, 0.9298

100, 20, 5, 4 : 0.9457, 0.9371

500, 20, 5, 4 : 0.9480, 0.9316

1000, 20, 5, 4 : 0.9463, 0.9290

100, 20, 10, 4 : 0.9479, 0.9245

500, 20, 10, 4 : 0.9439, 0.9231

1000, 20, 10, 4 : 0.9431, 0.9243

100, 30, 2, 1 : 0.9818, 0.9116

500, 30, 2, 1 : 0.9822, 0.9087

1000, 30, 2, 1 : 0.9826, 0.9093

100, 30, 5, 1 : 0.9688, 0.9074

500, 30, 5, 1 : 0.9706, 0.9089

1000, 30, 5, 1 : 0.9709, 0.9076

100, 30, 10, 1 : 0.9645, 0.9068

500, 30, 10, 1 : 0.9661, 0.9024

1000, 30, 10, 1 : 0.9662, 0.9030

100, 30, 2, 2 : 0.9697, 0.9197

500, 30, 2, 2 : 0.9707, 0.9170

1000, 30, 2, 2 : 0.9693, 0.9183

100, 30, 5, 2 : 0.9652, 0.9176

500, 30, 5, 2 : 0.9663, 0.9200

1000, 30, 5, 2 : 0.9670, 0.9182

100, 30, 10, 2 : 0.9608, 0.9154

500, 30, 10, 2 : 0.9622, 0.9106

1000, 30, 10, 2 : 0.9619, 0.9126

100, 30, 2, 4 : 0.9460, 0.9348

500, 30, 2, 4 : 0.9474, 0.9294

1000, 30, 2, 4 : 0.9464, 0.9295

100, 30, 5, 4 : 0.9451, 0.9298

500, 30, 5, 4 : 0.9474, 0.9304

1000, 30, 5, 4 : 0.9472, 0.9292

100, 30, 10, 4 : 0.9423, 0.9225

500, 30, 10, 4 : 0.9431, 0.9246

1000, 30, 10, 4 : 0.9448, 0.9238

Grid search of Neural Network

MLPRegressor(activation=act, alpha=a, batch\_size=batch, beta\_1=0.9, beta\_2=0.999, early\_stopping=False, epsilon=1e-08, hidden\_layer\_sizes=hid, learning\_rate='constant', learning\_rate\_init=0.001, max\_iter=100000, momentum=0.9, n\_iter\_no\_change=10, nesterovs\_momentum=True, power\_t=0.5, random\_state=1, shuffle=True, solver='adam', tol=0.0001, validation\_fraction=0.1, verbose=False, warm\_start=False) act (hid) a batch: accuracy of prediction using cross validation, accuracy of prediction using test data

Grid search of NeuralNetwork, Avalon

Grid search of NeuralNetwork, Morgan(r = 2)

Grid search of NeuralNetwork, Morgan(r = 3)

Grid search of NeuralNetwork, Morgan(r = 4)

Grid search of NeuralNetwork, MACCS

Grid search of NeuralNetwork, Topological

Grid search of LightGBM

lgb.LGBMRegressor(boosting\_type = "gbdt", num\_leaves = j,max\_depth = 0) j: accuracy of prediction using cross validation, accuracy of prediction using test data

Grid search of LightGBM, Avalon

31, -1, 0.01, 100, 0.7828, 0.8396

62, -1, 0.01, 100, 0.7828, 0.8396

127, -1, 0.01, 100, 0.7828, 0.8396

31, -1, 0.01, 200, 0.8938, 0.9298

62, -1, 0.01, 200, 0.8938, 0.9298

127, -1, 0.01, 200, 0.8938, 0.9298

31, -1, 0.01, 300, 0.9148, 0.9322

62, -1, 0.01, 300, 0.9148, 0.9322

127, -1, 0.01, 300, 0.9148, 0.9322

31, 10, 0.01, 100, 0.7827, 0.8397

62, 10, 0.01, 100, 0.7827, 0.8397

127, 10, 0.01, 100, 0.7827, 0.8397

31, 10, 0.01, 200, 0.8937, 0.9298

62, 10, 0.01, 200, 0.8937, 0.9298

127, 10, 0.01, 200, 0.8937, 0.9298

31, 10, 0.01, 300, 0.9147, 0.9321

62, 10, 0.01, 300, 0.9147, 0.9321

127, 10, 0.01, 300, 0.9147, 0.9321

31, 20, 0.01, 100, 0.7828, 0.8396

62, 20, 0.01, 100, 0.7828, 0.8396

127, 20, 0.01, 100, 0.7828, 0.8396

31, 20, 0.01, 200, 0.8938, 0.9298

62, 20, 0.01, 200, 0.8938, 0.9298

127, 20, 0.01, 200, 0.8938, 0.9298

31, 20, 0.01, 300, 0.9148, 0.9322

62, 20, 0.01, 300, 0.9148, 0.9322

127, 20, 0.01, 300, 0.9148, 0.9322

31, -1, 0.05, 100, 0.9343, 0.9252

62, -1, 0.05, 100, 0.9343, 0.9252

127, -1, 0.05, 100, 0.9343, 0.9252

31, -1, 0.05, 200, 0.9559, 0.9226

62, -1, 0.05, 200, 0.9561, 0.9230

127, -1, 0.05, 200, 0.9561, 0.9230

31, -1, 0.05, 300, 0.9668, 0.9222

62, -1, 0.05, 300, 0.9669, 0.9226

127, -1, 0.05, 300, 0.9669, 0.9226

31, 10, 0.05, 100, 0.9341, 0.9258

62, 10, 0.05, 100, 0.9341, 0.9258

127, 10, 0.05, 100, 0.9341, 0.9258

31, 10, 0.05, 200, 0.9555, 0.9244

62, 10, 0.05, 200, 0.9555, 0.9244

127, 10, 0.05, 200, 0.9555, 0.9244

31, 10, 0.05, 300, 0.9663, 0.9236

62, 10, 0.05, 300, 0.9662, 0.9234

127, 10, 0.05, 300, 0.9662, 0.9234

31, 20, 0.05, 100, 0.9343, 0.9252

62, 20, 0.05, 100, 0.9343, 0.9252

127, 20, 0.05, 100, 0.9343, 0.9252

31, 20, 0.05, 200, 0.9559, 0.9226

62, 20, 0.05, 200, 0.9561, 0.9230

127, 20, 0.05, 200, 0.9561, 0.9230

31, 20, 0.05, 300, 0.9668, 0.9222

62, 20, 0.05, 300, 0.9669, 0.9226

127, 20, 0.05, 300, 0.9669, 0.9226

31, -1, 0.1, 100, 0.9567, 0.9240

62, -1, 0.1, 100, 0.9568, 0.9220

127, -1, 0.1, 100, 0.9568, 0.9220

31, -1, 0.1, 200, 0.9748, 0.9216

62, -1, 0.1, 200, 0.9751, 0.9179

127, -1, 0.1, 200, 0.9751, 0.9179

31, -1, 0.1, 300, 0.9841, 0.9142

62, -1, 0.1, 300, 0.9843, 0.9088

127, -1, 0.1, 300, 0.9843, 0.9088

31, 10, 0.1, 100, 0.9561, 0.9207

62, 10, 0.1, 100, 0.9559, 0.9211

127, 10, 0.1, 100, 0.9559, 0.9211

31, 10, 0.1, 200, 0.9745, 0.9156

62, 10, 0.1, 200, 0.9742, 0.9144

127, 10, 0.1, 200, 0.9742, 0.9144

31, 10, 0.1, 300, 0.9834, 0.9077

62, 10, 0.1, 300, 0.9834, 0.9082

127, 10, 0.1, 300, 0.9834, 0.9082

31, 20, 0.1, 100, 0.9567, 0.9240

62, 20, 0.1, 100, 0.9568, 0.9220

127, 20, 0.1, 100, 0.9568, 0.9220

31, 20, 0.1, 200, 0.9748, 0.9216

62, 20, 0.1, 200, 0.9751, 0.9179

127, 20, 0.1, 200, 0.9751, 0.9179

31, 20, 0.1, 300, 0.9841, 0.9142

62, 20, 0.1, 300, 0.9843, 0.9088

127, 20, 0.1, 300, 0.9843, 0.9088

Grid search of LightGBM, Morgan(r = 2)

31, -1, 0.01, 100, 0.7823, 0.8405

62, -1, 0.01, 100, 0.7823, 0.8405

127, -1, 0.01, 100, 0.7823, 0.8405

31, -1, 0.01, 200, 0.8932, 0.9309

62, -1, 0.01, 200, 0.8932, 0.9309

127, -1, 0.01, 200, 0.8932, 0.9309

31, -1, 0.01, 300, 0.9141, 0.9377

62, -1, 0.01, 300, 0.9141, 0.9377

127, -1, 0.01, 300, 0.9141, 0.9377

31, 10, 0.01, 100, 0.7817, 0.8400

62, 10, 0.01, 100, 0.7817, 0.8400

127, 10, 0.01, 100, 0.7817, 0.8400

31, 10, 0.01, 200, 0.8927, 0.9308

62, 10, 0.01, 200, 0.8927, 0.9308

127, 10, 0.01, 200, 0.8927, 0.9308

31, 10, 0.01, 300, 0.9136, 0.9381

62, 10, 0.01, 300, 0.9136, 0.9381

127, 10, 0.01, 300, 0.9136, 0.9381

31, 20, 0.01, 100, 0.7823, 0.8405

62, 20, 0.01, 100, 0.7823, 0.8405

127, 20, 0.01, 100, 0.7823, 0.8405

31, 20, 0.01, 200, 0.8932, 0.9309

62, 20, 0.01, 200, 0.8932, 0.9309

127, 20, 0.01, 200, 0.8932, 0.9309

31, 20, 0.01, 300, 0.9141, 0.9378

62, 20, 0.01, 300, 0.9141, 0.9377

127, 20, 0.01, 300, 0.9141, 0.9377

31, -1, 0.05, 100, 0.9257, 0.9374

62, -1, 0.05, 100, 0.9257, 0.9374

127, -1, 0.05, 100, 0.9257, 0.9374

31, -1, 0.05, 200, 0.9380, 0.9330

62, -1, 0.05, 200, 0.9378, 0.9332

127, -1, 0.05, 200, 0.9378, 0.9332

31, -1, 0.05, 300, 0.9502, 0.9308

62, -1, 0.05, 300, 0.9503, 0.9307

127, -1, 0.05, 300, 0.9503, 0.9307

31, 10, 0.05, 100, 0.9250, 0.9366

62, 10, 0.05, 100, 0.9250, 0.9366

127, 10, 0.05, 100, 0.9250, 0.9366

31, 10, 0.05, 200, 0.9363, 0.9352

62, 10, 0.05, 200, 0.9363, 0.9352

127, 10, 0.05, 200, 0.9363, 0.9352

31, 10, 0.05, 300, 0.9490, 0.9334

62, 10, 0.05, 300, 0.9490, 0.9334

127, 10, 0.05, 300, 0.9490, 0.9334

31, 20, 0.05, 100, 0.9258, 0.9374

62, 20, 0.05, 100, 0.9258, 0.9374

127, 20, 0.05, 100, 0.9258, 0.9374

31, 20, 0.05, 200, 0.9374, 0.9342

62, 20, 0.05, 200, 0.9374, 0.9338

127, 20, 0.05, 200, 0.9374, 0.9338

31, 20, 0.05, 300, 0.9501, 0.9319

62, 20, 0.05, 300, 0.9496, 0.9322

127, 20, 0.05, 300, 0.9496, 0.9322

31, -1, 0.1, 100, 0.9389, 0.9339

62, -1, 0.1, 100, 0.9383, 0.9342

127, -1, 0.1, 100, 0.9383, 0.9342

31, -1, 0.1, 200, 0.9577, 0.9280

62, -1, 0.1, 200, 0.9585, 0.9261

127, -1, 0.1, 200, 0.9585, 0.9261

31, -1, 0.1, 300, 0.9687, 0.9133

62, -1, 0.1, 300, 0.9691, 0.9161

127, -1, 0.1, 300, 0.9691, 0.9161

31, 10, 0.1, 100, 0.9378, 0.9341

62, 10, 0.1, 100, 0.9378, 0.9341

127, 10, 0.1, 100, 0.9378, 0.9341

31, 10, 0.1, 200, 0.9574, 0.9269

62, 10, 0.1, 200, 0.9574, 0.9269

127, 10, 0.1, 200, 0.9574, 0.9269

31, 10, 0.1, 300, 0.9676, 0.9148

62, 10, 0.1, 300, 0.9676, 0.9148

127, 10, 0.1, 300, 0.9676, 0.9148

31, 20, 0.1, 100, 0.9376, 0.9352

62, 20, 0.1, 100, 0.9376, 0.9352

127, 20, 0.1, 100, 0.9376, 0.9352

31, 20, 0.1, 200, 0.9591, 0.9280

62, 20, 0.1, 200, 0.9585, 0.9236

127, 20, 0.1, 200, 0.9585, 0.9236

31, 20, 0.1, 300, 0.9692, 0.9195

62, 20, 0.1, 300, 0.9694, 0.9147

127, 20, 0.1, 300, 0.9694, 0.9147

Grid search of LightGBM, Morgan(r = 3)

31, -1, 0.01, 100, 0.7841, 0.8417

62, -1, 0.01, 100, 0.7841, 0.8417

127, -1, 0.01, 100, 0.7841, 0.8417

31, -1, 0.01, 200, 0.8980, 0.9332

62, -1, 0.01, 200, 0.8979, 0.9332

127, -1, 0.01, 200, 0.8979, 0.9332

31, -1, 0.01, 300, 0.9199, 0.9405

62, -1, 0.01, 300, 0.9198, 0.9405

127, -1, 0.01, 300, 0.9198, 0.9405

31, 10, 0.01, 100, 0.7835, 0.8410

62, 10, 0.01, 100, 0.7835, 0.8410

127, 10, 0.01, 100, 0.7835, 0.8410

31, 10, 0.01, 200, 0.8976, 0.9330

62, 10, 0.01, 200, 0.8976, 0.9330

127, 10, 0.01, 200, 0.8976, 0.9330

31, 10, 0.01, 300, 0.9196, 0.9404

62, 10, 0.01, 300, 0.9196, 0.9404

127, 10, 0.01, 300, 0.9196, 0.9404

31, 20, 0.01, 100, 0.7841, 0.8417

62, 20, 0.01, 100, 0.7841, 0.8417

127, 20, 0.01, 100, 0.7841, 0.8417

31, 20, 0.01, 200, 0.8980, 0.9332

62, 20, 0.01, 200, 0.8979, 0.9332

127, 20, 0.01, 200, 0.8979, 0.9332

31, 20, 0.01, 300, 0.9199, 0.9405

62, 20, 0.01, 300, 0.9198, 0.9405

127, 20, 0.01, 300, 0.9198, 0.9405

31, -1, 0.05, 100, 0.9336, 0.9371

62, -1, 0.05, 100, 0.9337, 0.9368

127, -1, 0.05, 100, 0.9337, 0.9368

31, -1, 0.05, 200, 0.9526, 0.9375

62, -1, 0.05, 200, 0.9527, 0.9371

127, -1, 0.05, 200, 0.9527, 0.9371

31, -1, 0.05, 300, 0.9644, 0.9355

62, -1, 0.05, 300, 0.9644, 0.9343

127, -1, 0.05, 300, 0.9644, 0.9343

31, 10, 0.05, 100, 0.9329, 0.9393

62, 10, 0.05, 100, 0.9329, 0.9393

127, 10, 0.05, 100, 0.9329, 0.9393

31, 10, 0.05, 200, 0.9516, 0.9374

62, 10, 0.05, 200, 0.9516, 0.9374

127, 10, 0.05, 200, 0.9516, 0.9374

31, 10, 0.05, 300, 0.9633, 0.9342

62, 10, 0.05, 300, 0.9633, 0.9342

127, 10, 0.05, 300, 0.9633, 0.9342

31, 20, 0.05, 100, 0.9334, 0.9378

62, 20, 0.05, 100, 0.9333, 0.9382

127, 20, 0.05, 100, 0.9333, 0.9382

31, 20, 0.05, 200, 0.9525, 0.9374

62, 20, 0.05, 200, 0.9525, 0.9382

127, 20, 0.05, 200, 0.9525, 0.9382

31, 20, 0.05, 300, 0.9640, 0.9353

62, 20, 0.05, 300, 0.9644, 0.9339

127, 20, 0.05, 300, 0.9644, 0.9339

31, -1, 0.1, 100, 0.9536, 0.9344

62, -1, 0.1, 100, 0.9540, 0.9360

127, -1, 0.1, 100, 0.9540, 0.9360

31, -1, 0.1, 200, 0.9730, 0.9268

62, -1, 0.1, 200, 0.9731, 0.9286

127, -1, 0.1, 200, 0.9731, 0.9286

31, -1, 0.1, 300, 0.9821, 0.9203

62, -1, 0.1, 300, 0.9818, 0.9208

127, -1, 0.1, 300, 0.9818, 0.9208

31, 10, 0.1, 100, 0.9530, 0.9373

62, 10, 0.1, 100, 0.9530, 0.9373

127, 10, 0.1, 100, 0.9530, 0.9373

31, 10, 0.1, 200, 0.9723, 0.9319

62, 10, 0.1, 200, 0.9723, 0.9319

127, 10, 0.1, 200, 0.9723, 0.9319

31, 10, 0.1, 300, 0.9817, 0.9241

62, 10, 0.1, 300, 0.9817, 0.9241

127, 10, 0.1, 300, 0.9817, 0.9241

31, 20, 0.1, 100, 0.9532, 0.9361

62, 20, 0.1, 100, 0.9538, 0.9375

127, 20, 0.1, 100, 0.9538, 0.9375

31, 20, 0.1, 200, 0.9733, 0.9296

62, 20, 0.1, 200, 0.9730, 0.9300

127, 20, 0.1, 200, 0.9730, 0.9300

31, 20, 0.1, 300, 0.9820, 0.9247

62, 20, 0.1, 300, 0.9823, 0.9238

127, 20, 0.1, 300, 0.9823, 0.9238

Grid search of LightGBM, Morgan(r = 4)

31, -1, 0.01, 100, 0.7842, 0.8418

62, -1, 0.01, 100, 0.7842, 0.8418

127, -1, 0.01, 100, 0.7842, 0.8418

31, -1, 0.01, 200, 0.8984, 0.9333

62, -1, 0.01, 200, 0.8984, 0.9333

127, -1, 0.01, 200, 0.8984, 0.9333

31, -1, 0.01, 300, 0.9204, 0.9422

62, -1, 0.01, 300, 0.9204, 0.9425

127, -1, 0.01, 300, 0.9204, 0.9425

31, 10, 0.01, 100, 0.7836, 0.8409

62, 10, 0.01, 100, 0.7836, 0.8409

127, 10, 0.01, 100, 0.7836, 0.8409

31, 10, 0.01, 200, 0.8979, 0.9329

62, 10, 0.01, 200, 0.8979, 0.9329

127, 10, 0.01, 200, 0.8979, 0.9329

31, 10, 0.01, 300, 0.9198, 0.9415

62, 10, 0.01, 300, 0.9198, 0.9415

127, 10, 0.01, 300, 0.9198, 0.9415

31, 20, 0.01, 100, 0.7842, 0.8418

62, 20, 0.01, 100, 0.7842, 0.8418

127, 20, 0.01, 100, 0.7842, 0.8418

31, 20, 0.01, 200, 0.8984, 0.9333

62, 20, 0.01, 200, 0.8984, 0.9333

127, 20, 0.01, 200, 0.8984, 0.9333

31, 20, 0.01, 300, 0.9204, 0.9422

62, 20, 0.01, 300, 0.9204, 0.9424

127, 20, 0.01, 300, 0.9204, 0.9424

31, -1, 0.05, 100, 0.9335, 0.9439

62, -1, 0.05, 100, 0.9334, 0.9433

127, -1, 0.05, 100, 0.9334, 0.9433

31, -1, 0.05, 200, 0.9524, 0.9457

62, -1, 0.05, 200, 0.9522, 0.9462

127, -1, 0.05, 200, 0.9522, 0.9462

31, -1, 0.05, 300, 0.9642, 0.9485

62, -1, 0.05, 300, 0.9641, 0.9495

127, -1, 0.05, 300, 0.9641, 0.9495

31, 10, 0.05, 100, 0.9329, 0.9438

62, 10, 0.05, 100, 0.9329, 0.9438

127, 10, 0.05, 100, 0.9329, 0.9438

31, 10, 0.05, 200, 0.9512, 0.9463

62, 10, 0.05, 200, 0.9512, 0.9463

127, 10, 0.05, 200, 0.9512, 0.9463

31, 10, 0.05, 300, 0.9628, 0.9503

62, 10, 0.05, 300, 0.9628, 0.9503

127, 10, 0.05, 300, 0.9628, 0.9503

31, 20, 0.05, 100, 0.9336, 0.9426

62, 20, 0.05, 100, 0.9334, 0.9432

127, 20, 0.05, 100, 0.9334, 0.9432

31, 20, 0.05, 200, 0.9522, 0.9456

62, 20, 0.05, 200, 0.9524, 0.9466

127, 20, 0.05, 200, 0.9524, 0.9466

31, 20, 0.05, 300, 0.9641, 0.9473

62, 20, 0.05, 300, 0.9642, 0.9504

127, 20, 0.05, 300, 0.9642, 0.9504

31, -1, 0.1, 100, 0.9525, 0.9458

62, -1, 0.1, 100, 0.9526, 0.9462

127, -1, 0.1, 100, 0.9526, 0.9462

31, -1, 0.1, 200, 0.9729, 0.9470

62, -1, 0.1, 200, 0.9731, 0.9494

127, -1, 0.1, 200, 0.9731, 0.9494

31, -1, 0.1, 300, 0.9825, 0.9456

62, -1, 0.1, 300, 0.9828, 0.9475

127, -1, 0.1, 300, 0.9828, 0.9475

31, 10, 0.1, 100, 0.9523, 0.9462

62, 10, 0.1, 100, 0.9523, 0.9462

127, 10, 0.1, 100, 0.9523, 0.9462

31, 10, 0.1, 200, 0.9721, 0.9486

62, 10, 0.1, 200, 0.9721, 0.9486

127, 10, 0.1, 200, 0.9721, 0.9486

31, 10, 0.1, 300, 0.9821, 0.9473

62, 10, 0.1, 300, 0.9821, 0.9473

127, 10, 0.1, 300, 0.9821, 0.9473

31, 20, 0.1, 100, 0.9526, 0.9461

62, 20, 0.1, 100, 0.9524, 0.9441

127, 20, 0.1, 100, 0.9524, 0.9441

31, 20, 0.1, 200, 0.9725, 0.9488

62, 20, 0.1, 200, 0.9725, 0.9488

127, 20, 0.1, 200, 0.9725, 0.9488

31, 20, 0.1, 300, 0.9821, 0.9456

62, 20, 0.1, 300, 0.9824, 0.9463

127, 20, 0.1, 300, 0.9824, 0.9463

Grid search of LightGBM, MACCS

31, -1, 0.01, 100, 0.7740, 0.8357

62, -1, 0.01, 100, 0.7740, 0.8357

127, -1, 0.01, 100, 0.7740, 0.8357

31, -1, 0.01, 200, 0.8848, 0.9176

62, -1, 0.01, 200, 0.8848, 0.9176

127, -1, 0.01, 200, 0.8848, 0.9176

31, -1, 0.01, 300, 0.9032, 0.9166

62, -1, 0.01, 300, 0.9032, 0.9166

127, -1, 0.01, 300, 0.9032, 0.9166

31, 10, 0.01, 100, 0.7740, 0.8356

62, 10, 0.01, 100, 0.7740, 0.8356

127, 10, 0.01, 100, 0.7740, 0.8356

31, 10, 0.01, 200, 0.8848, 0.9176

62, 10, 0.01, 200, 0.8848, 0.9176

127, 10, 0.01, 200, 0.8848, 0.9176

31, 10, 0.01, 300, 0.9032, 0.9166

62, 10, 0.01, 300, 0.9032, 0.9166

127, 10, 0.01, 300, 0.9032, 0.9166

31, 20, 0.01, 100, 0.7740, 0.8357

62, 20, 0.01, 100, 0.7740, 0.8357

127, 20, 0.01, 100, 0.7740, 0.8357

31, 20, 0.01, 200, 0.8848, 0.9176

62, 20, 0.01, 200, 0.8848, 0.9176

127, 20, 0.01, 200, 0.8848, 0.9176

31, 20, 0.01, 300, 0.9032, 0.9166

62, 20, 0.01, 300, 0.9032, 0.9166

127, 20, 0.01, 300, 0.9032, 0.9166

31, -1, 0.05, 100, 0.9119, 0.9084

62, -1, 0.05, 100, 0.9119, 0.9084

127, -1, 0.05, 100, 0.9119, 0.9084

31, -1, 0.05, 200, 0.9235, 0.9028

62, -1, 0.05, 200, 0.9235, 0.9028

127, -1, 0.05, 200, 0.9235, 0.9028

31, -1, 0.05, 300, 0.9307, 0.9041

62, -1, 0.05, 300, 0.9307, 0.9041

127, -1, 0.05, 300, 0.9307, 0.9041

31, 10, 0.05, 100, 0.9122, 0.9081

62, 10, 0.05, 100, 0.9122, 0.9081

127, 10, 0.05, 100, 0.9122, 0.9081

31, 10, 0.05, 200, 0.9237, 0.9021

62, 10, 0.05, 200, 0.9237, 0.9021

127, 10, 0.05, 200, 0.9237, 0.9021

31, 10, 0.05, 300, 0.9312, 0.9033

62, 10, 0.05, 300, 0.9312, 0.9033

127, 10, 0.05, 300, 0.9312, 0.9033

31, 20, 0.05, 100, 0.9119, 0.9084

62, 20, 0.05, 100, 0.9119, 0.9084

127, 20, 0.05, 100, 0.9119, 0.9084

31, 20, 0.05, 200, 0.9235, 0.9028

62, 20, 0.05, 200, 0.9235, 0.9028

127, 20, 0.05, 200, 0.9235, 0.9028

31, 20, 0.05, 300, 0.9307, 0.9041

62, 20, 0.05, 300, 0.9307, 0.9041

127, 20, 0.05, 300, 0.9307, 0.9041

31, -1, 0.1, 100, 0.9241, 0.9025

62, -1, 0.1, 100, 0.9241, 0.9025

127, -1, 0.1, 100, 0.9241, 0.9025

31, -1, 0.1, 200, 0.9375, 0.8985

62, -1, 0.1, 200, 0.9371, 0.8982

127, -1, 0.1, 200, 0.9371, 0.8982

31, -1, 0.1, 300, 0.9441, 0.8917

62, -1, 0.1, 300, 0.9445, 0.8913

127, -1, 0.1, 300, 0.9445, 0.8913

31, 10, 0.1, 100, 0.9240, 0.9023

62, 10, 0.1, 100, 0.9240, 0.9023

127, 10, 0.1, 100, 0.9240, 0.9023

31, 10, 0.1, 200, 0.9372, 0.8991

62, 10, 0.1, 200, 0.9372, 0.8991

127, 10, 0.1, 200, 0.9372, 0.8991

31, 10, 0.1, 300, 0.9438, 0.8926

62, 10, 0.1, 300, 0.9438, 0.8926

127, 10, 0.1, 300, 0.9438, 0.8926

31, 20, 0.1, 100, 0.9241, 0.9025

62, 20, 0.1, 100, 0.9241, 0.9025

127, 20, 0.1, 100, 0.9241, 0.9025

31, 20, 0.1, 200, 0.9375, 0.8985

62, 20, 0.1, 200, 0.9371, 0.8982

127, 20, 0.1, 200, 0.9371, 0.8982

31, 20, 0.1, 300, 0.9441, 0.8917

62, 20, 0.1, 300, 0.9445, 0.8913

127, 20, 0.1, 300, 0.9445, 0.8913

Grid search of LightGBM, Topological

31, -1, 0.01, 100, 0.7891, 0.8324

62, -1, 0.01, 100, 0.7891, 0.8324

127, -1, 0.01, 100, 0.7891, 0.8324

31, -1, 0.01, 200, 0.9051, 0.9333

62, -1, 0.01, 200, 0.9051, 0.9333

127, -1, 0.01, 200, 0.9051, 0.9333

31, -1, 0.01, 300, 0.9298, 0.9437

62, -1, 0.01, 300, 0.9298, 0.9438

127, -1, 0.01, 300, 0.9298, 0.9438

31, 10, 0.01, 100, 0.7891, 0.8324

62, 10, 0.01, 100, 0.7891, 0.8324

127, 10, 0.01, 100, 0.7891, 0.8324

31, 10, 0.01, 200, 0.9050, 0.9333

62, 10, 0.01, 200, 0.9050, 0.9333

127, 10, 0.01, 200, 0.9050, 0.9333

31, 10, 0.01, 300, 0.9297, 0.9438

62, 10, 0.01, 300, 0.9297, 0.9438

127, 10, 0.01, 300, 0.9297, 0.9438

31, 20, 0.01, 100, 0.7891, 0.8324

62, 20, 0.01, 100, 0.7891, 0.8324

127, 20, 0.01, 100, 0.7891, 0.8324

31, 20, 0.01, 200, 0.9051, 0.9333

62, 20, 0.01, 200, 0.9051, 0.9333

127, 20, 0.01, 200, 0.9051, 0.9333

31, 20, 0.01, 300, 0.9298, 0.9437

62, 20, 0.01, 300, 0.9298, 0.9438

127, 20, 0.01, 300, 0.9298, 0.9438

31, -1, 0.05, 100, 0.9455, 0.9408

62, -1, 0.05, 100, 0.9452, 0.9410

127, -1, 0.05, 100, 0.9452, 0.9410

31, -1, 0.05, 200, 0.9617, 0.9436

62, -1, 0.05, 200, 0.9616, 0.9435

127, -1, 0.05, 200, 0.9616, 0.9435

31, -1, 0.05, 300, 0.9696, 0.9430

62, -1, 0.05, 300, 0.9696, 0.9437

127, -1, 0.05, 300, 0.9696, 0.9437

31, 10, 0.05, 100, 0.9450, 0.9404

62, 10, 0.05, 100, 0.9450, 0.9404

127, 10, 0.05, 100, 0.9450, 0.9404

31, 10, 0.05, 200, 0.9613, 0.9433

62, 10, 0.05, 200, 0.9613, 0.9433

127, 10, 0.05, 200, 0.9613, 0.9433

31, 10, 0.05, 300, 0.9694, 0.9430

62, 10, 0.05, 300, 0.9694, 0.9430

127, 10, 0.05, 300, 0.9694, 0.9430

31, 20, 0.05, 100, 0.9455, 0.9408

62, 20, 0.05, 100, 0.9452, 0.9410

127, 20, 0.05, 100, 0.9452, 0.9410

31, 20, 0.05, 200, 0.9617, 0.9436

62, 20, 0.05, 200, 0.9616, 0.9436

127, 20, 0.05, 200, 0.9616, 0.9436

31, 20, 0.05, 300, 0.9697, 0.9436

62, 20, 0.05, 300, 0.9696, 0.9435

127, 20, 0.05, 300, 0.9696, 0.9435

31, -1, 0.1, 100, 0.9621, 0.9457

62, -1, 0.1, 100, 0.9623, 0.9464

127, -1, 0.1, 100, 0.9623, 0.9464

31, -1, 0.1, 200, 0.9759, 0.9431

62, -1, 0.1, 200, 0.9748, 0.9442

127, -1, 0.1, 200, 0.9748, 0.9442

31, -1, 0.1, 300, 0.9842, 0.9401

62, -1, 0.1, 300, 0.9836, 0.9399

127, -1, 0.1, 300, 0.9836, 0.9399

31, 10, 0.1, 100, 0.9620, 0.9453

62, 10, 0.1, 100, 0.9620, 0.9453

127, 10, 0.1, 100, 0.9620, 0.9453

31, 10, 0.1, 200, 0.9753, 0.9447

62, 10, 0.1, 200, 0.9757, 0.9424

127, 10, 0.1, 200, 0.9757, 0.9424

31, 10, 0.1, 300, 0.9842, 0.9398

62, 10, 0.1, 300, 0.9843, 0.9384

127, 10, 0.1, 300, 0.9843, 0.9384

31, 20, 0.1, 100, 0.9621, 0.9456

62, 20, 0.1, 100, 0.9623, 0.9464

127, 20, 0.1, 100, 0.9623, 0.9464

31, 20, 0.1, 200, 0.9754, 0.9440

62, 20, 0.1, 200, 0.9753, 0.9449

127, 20, 0.1, 200, 0.9753, 0.9449

31, 20, 0.1, 300, 0.9838, 0.9394

62, 20, 0.1, 300, 0.9840, 0.9405

127, 20, 0.1, 300, 0.9840, 0.9405

Grid search of SVR

kernel, C, gammma, epsilon SVR(C= c\_num, kernel = ker, epsilon = e, gamma = r,degree = 3, coef0=1) Ker c\_num r e: accuracy of prediction using cross validation, accuracy of prediction using test data

Grid search of SVR, Avalon

poly, 1, 1, 0.1 : 0.9829, 0.8949

poly, 1, 1, 0.3 : 0.9829, 0.8949

poly, 1, 1, 0.5 : 0.9829, 0.8949

poly, 1, 1, 0.7 : 0.9829, 0.8949

poly, 1, 1, 0.9 : 0.9829, 0.8949

poly, 1, 2, 0.1 : 0.9894, 0.8942

poly, 1, 2, 0.3 : 0.9894, 0.8942

poly, 1, 2, 0.5 : 0.9894, 0.8942

poly, 1, 2, 0.7 : 0.9894, 0.8942

poly, 1, 2, 0.9 : 0.9894, 0.8942

poly, 1, 3, 0.1 : 0.9894, 0.8942

poly, 1, 3, 0.3 : 0.9894, 0.8942

poly, 1, 3, 0.5 : 0.9894, 0.8942

poly, 1, 3, 0.7 : 0.9894, 0.8942

poly, 1, 3, 0.9 : 0.9894, 0.8942

poly, 1, 4, 0.1 : 0.9894, 0.8942

poly, 1, 4, 0.3 : 0.9894, 0.8942

poly, 1, 4, 0.5 : 0.9894, 0.8942

poly, 1, 4, 0.7 : 0.9894, 0.8942

poly, 1, 4, 0.9 : 0.9894, 0.8942

poly, 1, 5, 0.1 : 0.9894, 0.8942

poly, 1, 5, 0.3 : 0.9894, 0.8942

poly, 1, 5, 0.5 : 0.9894, 0.8942

poly, 1, 5, 0.7 : 0.9894, 0.8942

poly, 1, 5, 0.9 : 0.9894, 0.8942

poly, 1, 6, 0.1 : 0.9894, 0.8942

poly, 1, 6, 0.3 : 0.9894, 0.8942

poly, 1, 6, 0.5 : 0.9894, 0.8942

poly, 1, 6, 0.7 : 0.9894, 0.8942

poly, 1, 6, 0.9 : 0.9894, 0.8942

poly, 2, 1, 0.1 : 0.9879, 0.8938

poly, 2, 1, 0.3 : 0.9879, 0.8938

poly, 2, 1, 0.5 : 0.9879, 0.8938

poly, 2, 1, 0.7 : 0.9879, 0.8938

poly, 2, 1, 0.9 : 0.9879, 0.8938

poly, 2, 2, 0.1 : 0.9894, 0.8942

poly, 2, 2, 0.3 : 0.9894, 0.8942

poly, 2, 2, 0.5 : 0.9894, 0.8942

poly, 2, 2, 0.7 : 0.9894, 0.8942

poly, 2, 2, 0.9 : 0.9894, 0.8942

poly, 2, 3, 0.1 : 0.9894, 0.8942

poly, 2, 3, 0.3 : 0.9894, 0.8942

poly, 2, 3, 0.5 : 0.9894, 0.8942

poly, 2, 3, 0.7 : 0.9894, 0.8942

poly, 2, 3, 0.9 : 0.9894, 0.8942

poly, 2, 4, 0.1 : 0.9894, 0.8942

poly, 2, 4, 0.3 : 0.9894, 0.8942

poly, 2, 4, 0.5 : 0.9894, 0.8942

poly, 2, 4, 0.7 : 0.9894, 0.8942

poly, 2, 4, 0.9 : 0.9894, 0.8942

poly, 2, 5, 0.1 : 0.9894, 0.8942

poly, 2, 5, 0.3 : 0.9894, 0.8942

poly, 2, 5, 0.5 : 0.9894, 0.8942

poly, 2, 5, 0.7 : 0.9894, 0.8942

poly, 2, 5, 0.9 : 0.9894, 0.8942

poly, 2, 6, 0.1 : 0.9894, 0.8942

poly, 2, 6, 0.3 : 0.9894, 0.8942

poly, 2, 6, 0.5 : 0.9894, 0.8942

poly, 2, 6, 0.7 : 0.9894, 0.8942

poly, 2, 6, 0.9 : 0.9894, 0.8942

poly, 3, 1, 0.1 : 0.9893, 0.8940

poly, 3, 1, 0.3 : 0.9893, 0.8940

poly, 3, 1, 0.5 : 0.9893, 0.8940

poly, 3, 1, 0.7 : 0.9893, 0.8940

poly, 3, 1, 0.9 : 0.9893, 0.8940

poly, 3, 2, 0.1 : 0.9894, 0.8942

poly, 3, 2, 0.3 : 0.9894, 0.8942

poly, 3, 2, 0.5 : 0.9894, 0.8942

poly, 3, 2, 0.7 : 0.9894, 0.8942

poly, 3, 2, 0.9 : 0.9894, 0.8942

poly, 3, 3, 0.1 : 0.9894, 0.8942

poly, 3, 3, 0.3 : 0.9894, 0.8942

poly, 3, 3, 0.5 : 0.9894, 0.8942

poly, 3, 3, 0.7 : 0.9894, 0.8942

poly, 3, 3, 0.9 : 0.9894, 0.8942

poly, 3, 4, 0.1 : 0.9894, 0.8942

poly, 3, 4, 0.3 : 0.9894, 0.8942

poly, 3, 4, 0.5 : 0.9894, 0.8942

poly, 3, 4, 0.7 : 0.9894, 0.8942

poly, 3, 4, 0.9 : 0.9894, 0.8942

poly, 3, 5, 0.1 : 0.9894, 0.8942

poly, 3, 5, 0.3 : 0.9894, 0.8942

poly, 3, 5, 0.5 : 0.9894, 0.8942

poly, 3, 5, 0.7 : 0.9894, 0.8942

poly, 3, 5, 0.9 : 0.9894, 0.8942

poly, 3, 6, 0.1 : 0.9894, 0.8942

poly, 3, 6, 0.3 : 0.9894, 0.8942

poly, 3, 6, 0.5 : 0.9894, 0.8942

poly, 3, 6, 0.7 : 0.9894, 0.8942

poly, 3, 6, 0.9 : 0.9894, 0.8942

poly, 4, 1, 0.1 : 0.9894, 0.8941

poly, 4, 1, 0.3 : 0.9894, 0.8941

poly, 4, 1, 0.5 : 0.9894, 0.8941

poly, 4, 1, 0.7 : 0.9894, 0.8941

poly, 4, 1, 0.9 : 0.9894, 0.8941

poly, 4, 2, 0.1 : 0.9894, 0.8942

poly, 4, 2, 0.3 : 0.9894, 0.8942

poly, 4, 2, 0.5 : 0.9894, 0.8942

poly, 4, 2, 0.7 : 0.9894, 0.8942

poly, 4, 2, 0.9 : 0.9894, 0.8942

poly, 4, 3, 0.1 : 0.9894, 0.8942

poly, 4, 3, 0.3 : 0.9894, 0.8942

poly, 4, 3, 0.5 : 0.9894, 0.8942

poly, 4, 3, 0.7 : 0.9894, 0.8942

poly, 4, 3, 0.9 : 0.9894, 0.8942

poly, 4, 4, 0.1 : 0.9894, 0.8942

poly, 4, 4, 0.3 : 0.9894, 0.8942

poly, 4, 4, 0.5 : 0.9894, 0.8942

poly, 4, 4, 0.7 : 0.9894, 0.8942

poly, 4, 4, 0.9 : 0.9894, 0.8942

poly, 4, 5, 0.1 : 0.9894, 0.8942

poly, 4, 5, 0.3 : 0.9894, 0.8942

poly, 4, 5, 0.5 : 0.9894, 0.8942

poly, 4, 5, 0.7 : 0.9894, 0.8942

poly, 4, 5, 0.9 : 0.9894, 0.8942

poly, 4, 6, 0.1 : 0.9894, 0.8942

poly, 4, 6, 0.3 : 0.9894, 0.8942

poly, 4, 6, 0.5 : 0.9894, 0.8942

poly, 4, 6, 0.7 : 0.9894, 0.8942

poly, 4, 6, 0.9 : 0.9894, 0.8942

sigmoid, 1, 1, 0.1 : -0.1286, -0.2112

sigmoid, 1, 1, 0.3 : -0.1286, -0.2112

sigmoid, 1, 1, 0.5 : -0.1286, -0.2112

sigmoid, 1, 1, 0.7 : -0.1286, -0.2112

sigmoid, 1, 1, 0.9 : -0.1286, -0.2112

sigmoid, 1, 2, 0.1 : -0.1286, -0.2112

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sigmoid, 4, 1, 0.7 : -0.1278, -0.2104

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sigmoid, 4, 2, 0.3 : -0.1278, -0.2103

sigmoid, 4, 2, 0.5 : -0.1278, -0.2103

sigmoid, 4, 2, 0.7 : -0.1278, -0.2103

sigmoid, 4, 2, 0.9 : -0.1278, -0.2103

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sigmoid, 4, 3, 0.3 : -0.1278, -0.2103

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sigmoid, 4, 3, 0.7 : -0.1278, -0.2103

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sigmoid, 4, 4, 0.3 : -0.1278, -0.2103

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rbf, 1, 6, 0.9 : -0.1289, -0.2115

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linear, 4, 3, 0.9 : -0.0922, -0.1786

linear, 4, 4, 0.1 : -0.0922, -0.1786

linear, 4, 4, 0.3 : -0.0922, -0.1786

linear, 4, 4, 0.5 : -0.0922, -0.1786

linear, 4, 4, 0.7 : -0.0922, -0.1786

linear, 4, 4, 0.9 : -0.0922, -0.1786

linear, 4, 5, 0.1 : -0.0922, -0.1786

linear, 4, 5, 0.3 : -0.0922, -0.1786

linear, 4, 5, 0.5 : -0.0922, -0.1786

linear, 4, 5, 0.7 : -0.0922, -0.1786

linear, 4, 5, 0.9 : -0.0922, -0.1786

linear, 4, 6, 0.1 : -0.0922, -0.1786

linear, 4, 6, 0.3 : -0.0922, -0.1786

linear, 4, 6, 0.5 : -0.0922, -0.1786

linear, 4, 6, 0.7 : -0.0922, -0.1786

linear, 4, 6, 0.9 : -0.0922, -0.1786

Grid search of SVR, Morgan(r = 2)

poly, 1, 1, 0.1 : 0.9874, 0.8824

poly, 1, 1, 0.3 : 0.9874, 0.8824

poly, 1, 1, 0.5 : 0.9874, 0.8824

poly, 1, 1, 0.7 : 0.9874, 0.8824

poly, 1, 1, 0.9 : 0.9874, 0.8824

poly, 1, 2, 0.1 : 0.9893, 0.8770

poly, 1, 2, 0.3 : 0.9893, 0.8770

poly, 1, 2, 0.5 : 0.9893, 0.8770

poly, 1, 2, 0.7 : 0.9893, 0.8770

poly, 1, 2, 0.9 : 0.9893, 0.8770

poly, 1, 3, 0.1 : 0.9893, 0.8770

poly, 1, 3, 0.3 : 0.9893, 0.8770

poly, 1, 3, 0.5 : 0.9893, 0.8770

poly, 1, 3, 0.7 : 0.9893, 0.8770

poly, 1, 3, 0.9 : 0.9893, 0.8770

poly, 1, 4, 0.1 : 0.9893, 0.8770

poly, 1, 4, 0.3 : 0.9893, 0.8770

poly, 1, 4, 0.5 : 0.9893, 0.8770

poly, 1, 4, 0.7 : 0.9893, 0.8770

poly, 1, 4, 0.9 : 0.9893, 0.8770

poly, 1, 5, 0.1 : 0.9893, 0.8770

poly, 1, 5, 0.3 : 0.9893, 0.8770

poly, 1, 5, 0.5 : 0.9893, 0.8770

poly, 1, 5, 0.7 : 0.9893, 0.8770

poly, 1, 5, 0.9 : 0.9893, 0.8770

poly, 1, 6, 0.1 : 0.9893, 0.8770

poly, 1, 6, 0.3 : 0.9893, 0.8770

poly, 1, 6, 0.5 : 0.9893, 0.8770

poly, 1, 6, 0.7 : 0.9893, 0.8770

poly, 1, 6, 0.9 : 0.9893, 0.8770

poly, 2, 1, 0.1 : 0.9892, 0.8787

poly, 2, 1, 0.3 : 0.9892, 0.8787

poly, 2, 1, 0.5 : 0.9892, 0.8787

poly, 2, 1, 0.7 : 0.9892, 0.8787

poly, 2, 1, 0.9 : 0.9892, 0.8787

poly, 2, 2, 0.1 : 0.9893, 0.8770

poly, 2, 2, 0.3 : 0.9893, 0.8770

poly, 2, 2, 0.5 : 0.9893, 0.8770

poly, 2, 2, 0.7 : 0.9893, 0.8770

poly, 2, 2, 0.9 : 0.9893, 0.8770

poly, 2, 3, 0.1 : 0.9893, 0.8770

poly, 2, 3, 0.3 : 0.9893, 0.8770

poly, 2, 3, 0.5 : 0.9893, 0.8770

poly, 2, 3, 0.7 : 0.9893, 0.8770

poly, 2, 3, 0.9 : 0.9893, 0.8770

poly, 2, 4, 0.1 : 0.9893, 0.8770

poly, 2, 4, 0.3 : 0.9893, 0.8770

poly, 2, 4, 0.5 : 0.9893, 0.8770

poly, 2, 4, 0.7 : 0.9893, 0.8770

poly, 2, 4, 0.9 : 0.9893, 0.8770

poly, 2, 5, 0.1 : 0.9893, 0.8770

poly, 2, 5, 0.3 : 0.9893, 0.8770

poly, 2, 5, 0.5 : 0.9893, 0.8770

poly, 2, 5, 0.7 : 0.9893, 0.8770

poly, 2, 5, 0.9 : 0.9893, 0.8770

poly, 2, 6, 0.1 : 0.9893, 0.8770

poly, 2, 6, 0.3 : 0.9893, 0.8770

poly, 2, 6, 0.5 : 0.9893, 0.8770

poly, 2, 6, 0.7 : 0.9893, 0.8770

poly, 2, 6, 0.9 : 0.9893, 0.8770

poly, 3, 1, 0.1 : 0.9893, 0.8770

poly, 3, 1, 0.3 : 0.9893, 0.8770

poly, 3, 1, 0.5 : 0.9893, 0.8770

poly, 3, 1, 0.7 : 0.9893, 0.8770

poly, 3, 1, 0.9 : 0.9893, 0.8770

poly, 3, 2, 0.1 : 0.9893, 0.8770

poly, 3, 2, 0.3 : 0.9893, 0.8770

poly, 3, 2, 0.5 : 0.9893, 0.8770

poly, 3, 2, 0.7 : 0.9893, 0.8770

poly, 3, 2, 0.9 : 0.9893, 0.8770

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poly, 3, 3, 0.9 : 0.9893, 0.8770

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poly, 3, 4, 0.7 : 0.9893, 0.8770

poly, 3, 4, 0.9 : 0.9893, 0.8770

poly, 3, 5, 0.1 : 0.9893, 0.8770

poly, 3, 5, 0.3 : 0.9893, 0.8770

poly, 3, 5, 0.5 : 0.9893, 0.8770

poly, 3, 5, 0.7 : 0.9893, 0.8770

poly, 3, 5, 0.9 : 0.9893, 0.8770

poly, 3, 6, 0.1 : 0.9893, 0.8770

poly, 3, 6, 0.3 : 0.9893, 0.8770

poly, 3, 6, 0.5 : 0.9893, 0.8770

poly, 3, 6, 0.7 : 0.9893, 0.8770

poly, 3, 6, 0.9 : 0.9893, 0.8770

poly, 4, 1, 0.1 : 0.9893, 0.8770

poly, 4, 1, 0.3 : 0.9893, 0.8770

poly, 4, 1, 0.5 : 0.9893, 0.8770

poly, 4, 1, 0.7 : 0.9893, 0.8770

poly, 4, 1, 0.9 : 0.9893, 0.8770

poly, 4, 2, 0.1 : 0.9893, 0.8770

poly, 4, 2, 0.3 : 0.9893, 0.8770

poly, 4, 2, 0.5 : 0.9893, 0.8770

poly, 4, 2, 0.7 : 0.9893, 0.8770

poly, 4, 2, 0.9 : 0.9893, 0.8770

poly, 4, 3, 0.1 : 0.9893, 0.8770

poly, 4, 3, 0.3 : 0.9893, 0.8770

poly, 4, 3, 0.5 : 0.9893, 0.8770

poly, 4, 3, 0.7 : 0.9893, 0.8770

poly, 4, 3, 0.9 : 0.9893, 0.8770

poly, 4, 4, 0.1 : 0.9893, 0.8770

poly, 4, 4, 0.3 : 0.9893, 0.8770

poly, 4, 4, 0.5 : 0.9893, 0.8770

poly, 4, 4, 0.7 : 0.9893, 0.8770

poly, 4, 4, 0.9 : 0.9893, 0.8770

poly, 4, 5, 0.1 : 0.9893, 0.8770

poly, 4, 5, 0.3 : 0.9893, 0.8770

poly, 4, 5, 0.5 : 0.9893, 0.8770

poly, 4, 5, 0.7 : 0.9893, 0.8770

poly, 4, 5, 0.9 : 0.9893, 0.8770

poly, 4, 6, 0.1 : 0.9893, 0.8770

poly, 4, 6, 0.3 : 0.9893, 0.8770

poly, 4, 6, 0.5 : 0.9893, 0.8770

poly, 4, 6, 0.7 : 0.9893, 0.8770

poly, 4, 6, 0.9 : 0.9893, 0.8770

rbf, 1, 1, 0.1 : -0.1289, -0.2115

rbf, 1, 1, 0.3 : -0.1289, -0.2115

rbf, 1, 1, 0.5 : -0.1289, -0.2115

rbf, 1, 1, 0.7 : -0.1289, -0.2115

rbf, 1, 1, 0.9 : -0.1289, -0.2115

rbf, 1, 2, 0.1 : -0.1289, -0.2115

rbf, 1, 2, 0.3 : -0.1289, -0.2115

rbf, 1, 2, 0.5 : -0.1289, -0.2115

rbf, 1, 2, 0.7 : -0.1289, -0.2115

rbf, 1, 2, 0.9 : -0.1289, -0.2115

rbf, 1, 3, 0.1 : -0.1289, -0.2115

rbf, 1, 3, 0.3 : -0.1289, -0.2115

rbf, 1, 3, 0.5 : -0.1289, -0.2115

rbf, 1, 3, 0.7 : -0.1289, -0.2115

rbf, 1, 3, 0.9 : -0.1289, -0.2115

rbf, 1, 4, 0.1 : -0.1289, -0.2115

rbf, 1, 4, 0.3 : -0.1289, -0.2115

rbf, 1, 4, 0.5 : -0.1289, -0.2115

rbf, 1, 4, 0.7 : -0.1289, -0.2115

rbf, 1, 4, 0.9 : -0.1289, -0.2115

rbf, 1, 5, 0.1 : -0.1289, -0.2115

rbf, 1, 5, 0.3 : -0.1289, -0.2115

rbf, 1, 5, 0.5 : -0.1289, -0.2115

rbf, 1, 5, 0.7 : -0.1289, -0.2115

rbf, 1, 5, 0.9 : -0.1289, -0.2115

rbf, 1, 6, 0.1 : -0.1289, -0.2115

rbf, 1, 6, 0.3 : -0.1289, -0.2115

rbf, 1, 6, 0.5 : -0.1289, -0.2115

rbf, 1, 6, 0.7 : -0.1289, -0.2115

rbf, 1, 6, 0.9 : -0.1289, -0.2115

rbf, 2, 1, 0.1 : -0.1289, -0.2115

rbf, 2, 1, 0.3 : -0.1289, -0.2115

rbf, 2, 1, 0.5 : -0.1289, -0.2115

rbf, 2, 1, 0.7 : -0.1289, -0.2115

rbf, 2, 1, 0.9 : -0.1289, -0.2115

rbf, 2, 2, 0.1 : -0.1289, -0.2115

rbf, 2, 2, 0.3 : -0.1289, -0.2115

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rbf, 2, 2, 0.7 : -0.1289, -0.2115

rbf, 2, 2, 0.9 : -0.1289, -0.2115

rbf, 2, 3, 0.1 : -0.1289, -0.2115

rbf, 2, 3, 0.3 : -0.1289, -0.2115

rbf, 2, 3, 0.5 : -0.1289, -0.2115

rbf, 2, 3, 0.7 : -0.1289, -0.2115

rbf, 2, 3, 0.9 : -0.1289, -0.2115

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rbf, 2, 4, 0.5 : -0.1289, -0.2115

rbf, 2, 4, 0.7 : -0.1289, -0.2115

rbf, 2, 4, 0.9 : -0.1289, -0.2115

rbf, 2, 5, 0.1 : -0.1289, -0.2115

rbf, 2, 5, 0.3 : -0.1289, -0.2115

rbf, 2, 5, 0.5 : -0.1289, -0.2115

rbf, 2, 5, 0.7 : -0.1289, -0.2115

rbf, 2, 5, 0.9 : -0.1289, -0.2115

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rbf, 2, 6, 0.5 : -0.1289, -0.2115

rbf, 2, 6, 0.7 : -0.1289, -0.2115

rbf, 2, 6, 0.9 : -0.1289, -0.2115

rbf, 3, 1, 0.1 : -0.1289, -0.2115

rbf, 3, 1, 0.3 : -0.1289, -0.2115

rbf, 3, 1, 0.5 : -0.1289, -0.2115

rbf, 3, 1, 0.7 : -0.1289, -0.2115

rbf, 3, 1, 0.9 : -0.1289, -0.2115

rbf, 3, 2, 0.1 : -0.1289, -0.2115

rbf, 3, 2, 0.3 : -0.1289, -0.2115

rbf, 3, 2, 0.5 : -0.1289, -0.2115

rbf, 3, 2, 0.7 : -0.1289, -0.2115

rbf, 3, 2, 0.9 : -0.1289, -0.2115

rbf, 3, 3, 0.1 : -0.1289, -0.2115

rbf, 3, 3, 0.3 : -0.1289, -0.2115

rbf, 3, 3, 0.5 : -0.1289, -0.2115

rbf, 3, 3, 0.7 : -0.1289, -0.2115

rbf, 3, 3, 0.9 : -0.1289, -0.2115

rbf, 3, 4, 0.1 : -0.1289, -0.2115

rbf, 3, 4, 0.3 : -0.1289, -0.2115

rbf, 3, 4, 0.5 : -0.1289, -0.2115

rbf, 3, 4, 0.7 : -0.1289, -0.2115

rbf, 3, 4, 0.9 : -0.1289, -0.2115

rbf, 3, 5, 0.1 : -0.1289, -0.2115

rbf, 3, 5, 0.3 : -0.1289, -0.2115

rbf, 3, 5, 0.5 : -0.1289, -0.2115

rbf, 3, 5, 0.7 : -0.1289, -0.2115

rbf, 3, 5, 0.9 : -0.1289, -0.2115

rbf, 3, 6, 0.1 : -0.1289, -0.2115

rbf, 3, 6, 0.3 : -0.1289, -0.2115

rbf, 3, 6, 0.5 : -0.1289, -0.2115

rbf, 3, 6, 0.7 : -0.1289, -0.2115

rbf, 3, 6, 0.9 : -0.1289, -0.2115

rbf, 4, 1, 0.1 : -0.1289, -0.2115

rbf, 4, 1, 0.3 : -0.1289, -0.2115

rbf, 4, 1, 0.5 : -0.1289, -0.2115

rbf, 4, 1, 0.7 : -0.1289, -0.2115

rbf, 4, 1, 0.9 : -0.1289, -0.2115

rbf, 4, 2, 0.1 : -0.1289, -0.2115

rbf, 4, 2, 0.3 : -0.1289, -0.2115

rbf, 4, 2, 0.5 : -0.1289, -0.2115

rbf, 4, 2, 0.7 : -0.1289, -0.2115

rbf, 4, 2, 0.9 : -0.1289, -0.2115

rbf, 4, 3, 0.1 : -0.1289, -0.2115

rbf, 4, 3, 0.3 : -0.1289, -0.2115

rbf, 4, 3, 0.5 : -0.1289, -0.2115

rbf, 4, 3, 0.7 : -0.1289, -0.2115

rbf, 4, 3, 0.9 : -0.1289, -0.2115

rbf, 4, 4, 0.1 : -0.1289, -0.2115

rbf, 4, 4, 0.3 : -0.1289, -0.2115

rbf, 4, 4, 0.5 : -0.1289, -0.2115

rbf, 4, 4, 0.7 : -0.1289, -0.2115

rbf, 4, 4, 0.9 : -0.1289, -0.2115

rbf, 4, 5, 0.1 : -0.1289, -0.2115

rbf, 4, 5, 0.3 : -0.1289, -0.2115

rbf, 4, 5, 0.5 : -0.1289, -0.2115

rbf, 4, 5, 0.7 : -0.1289, -0.2115

rbf, 4, 5, 0.9 : -0.1289, -0.2115

rbf, 4, 6, 0.1 : -0.1289, -0.2115

rbf, 4, 6, 0.3 : -0.1289, -0.2115

rbf, 4, 6, 0.5 : -0.1289, -0.2115

rbf, 4, 6, 0.7 : -0.1289, -0.2115

rbf, 4, 6, 0.9 : -0.1289, -0.2115

sigmoid, 1, 1, 0.1 : -0.1286, -0.2112

sigmoid, 1, 1, 0.3 : -0.1286, -0.2112

sigmoid, 1, 1, 0.5 : -0.1286, -0.2112

sigmoid, 1, 1, 0.7 : -0.1286, -0.2112

sigmoid, 1, 1, 0.9 : -0.1286, -0.2112

sigmoid, 1, 2, 0.1 : -0.1286, -0.2112

sigmoid, 1, 2, 0.3 : -0.1286, -0.2112

sigmoid, 1, 2, 0.5 : -0.1286, -0.2112

sigmoid, 1, 2, 0.7 : -0.1286, -0.2112

sigmoid, 1, 2, 0.9 : -0.1286, -0.2112

sigmoid, 1, 3, 0.1 : -0.1286, -0.2112

sigmoid, 1, 3, 0.3 : -0.1286, -0.2112

sigmoid, 1, 3, 0.5 : -0.1286, -0.2112

sigmoid, 1, 3, 0.7 : -0.1286, -0.2112

sigmoid, 1, 3, 0.9 : -0.1286, -0.2112

sigmoid, 1, 4, 0.1 : -0.1286, -0.2112

sigmoid, 1, 4, 0.3 : -0.1286, -0.2112

sigmoid, 1, 4, 0.5 : -0.1286, -0.2112

sigmoid, 1, 4, 0.7 : -0.1286, -0.2112

sigmoid, 1, 4, 0.9 : -0.1286, -0.2112

sigmoid, 1, 5, 0.1 : -0.1286, -0.2112

sigmoid, 1, 5, 0.3 : -0.1286, -0.2112

sigmoid, 1, 5, 0.5 : -0.1286, -0.2112

sigmoid, 1, 5, 0.7 : -0.1286, -0.2112

sigmoid, 1, 5, 0.9 : -0.1286, -0.2112

sigmoid, 1, 6, 0.1 : -0.1286, -0.2112

sigmoid, 1, 6, 0.3 : -0.1286, -0.2112

sigmoid, 1, 6, 0.5 : -0.1286, -0.2112

sigmoid, 1, 6, 0.7 : -0.1286, -0.2112

sigmoid, 1, 6, 0.9 : -0.1286, -0.2112

sigmoid, 2, 1, 0.1 : -0.1284, -0.2110

sigmoid, 2, 1, 0.3 : -0.1284, -0.2110

sigmoid, 2, 1, 0.5 : -0.1284, -0.2110

sigmoid, 2, 1, 0.7 : -0.1284, -0.2110

sigmoid, 2, 1, 0.9 : -0.1284, -0.2110

sigmoid, 2, 2, 0.1 : -0.1284, -0.2110

sigmoid, 2, 2, 0.3 : -0.1284, -0.2110

sigmoid, 2, 2, 0.5 : -0.1284, -0.2110

sigmoid, 2, 2, 0.7 : -0.1284, -0.2110

sigmoid, 2, 2, 0.9 : -0.1284, -0.2110

sigmoid, 2, 3, 0.1 : -0.1284, -0.2110

sigmoid, 2, 3, 0.3 : -0.1284, -0.2110

sigmoid, 2, 3, 0.5 : -0.1284, -0.2110

sigmoid, 2, 3, 0.7 : -0.1284, -0.2110

sigmoid, 2, 3, 0.9 : -0.1284, -0.2110

sigmoid, 2, 4, 0.1 : -0.1284, -0.2110

sigmoid, 2, 4, 0.3 : -0.1284, -0.2110

sigmoid, 2, 4, 0.5 : -0.1284, -0.2110

sigmoid, 2, 4, 0.7 : -0.1284, -0.2110

sigmoid, 2, 4, 0.9 : -0.1284, -0.2110

sigmoid, 2, 5, 0.1 : -0.1284, -0.2110

sigmoid, 2, 5, 0.3 : -0.1284, -0.2110

sigmoid, 2, 5, 0.5 : -0.1284, -0.2110

sigmoid, 2, 5, 0.7 : -0.1284, -0.2110

sigmoid, 2, 5, 0.9 : -0.1284, -0.2110

sigmoid, 2, 6, 0.1 : -0.1284, -0.2110

sigmoid, 2, 6, 0.3 : -0.1284, -0.2110

sigmoid, 2, 6, 0.5 : -0.1284, -0.2110

sigmoid, 2, 6, 0.7 : -0.1284, -0.2110

sigmoid, 2, 6, 0.9 : -0.1284, -0.2110

sigmoid, 3, 1, 0.1 : -0.1282, -0.2108

sigmoid, 3, 1, 0.3 : -0.1282, -0.2108

sigmoid, 3, 1, 0.5 : -0.1282, -0.2108

sigmoid, 3, 1, 0.7 : -0.1282, -0.2108

sigmoid, 3, 1, 0.9 : -0.1282, -0.2108

sigmoid, 3, 2, 0.1 : -0.1282, -0.2108

sigmoid, 3, 2, 0.3 : -0.1282, -0.2108

sigmoid, 3, 2, 0.5 : -0.1282, -0.2108

sigmoid, 3, 2, 0.7 : -0.1282, -0.2108

sigmoid, 3, 2, 0.9 : -0.1282, -0.2108

sigmoid, 3, 3, 0.1 : -0.1282, -0.2108

sigmoid, 3, 3, 0.3 : -0.1282, -0.2108

sigmoid, 3, 3, 0.5 : -0.1282, -0.2108

sigmoid, 3, 3, 0.7 : -0.1282, -0.2108

sigmoid, 3, 3, 0.9 : -0.1282, -0.2108

sigmoid, 3, 4, 0.1 : -0.1282, -0.2108

sigmoid, 3, 4, 0.3 : -0.1282, -0.2108

sigmoid, 3, 4, 0.5 : -0.1282, -0.2108

sigmoid, 3, 4, 0.7 : -0.1282, -0.2108

sigmoid, 3, 4, 0.9 : -0.1282, -0.2108

sigmoid, 3, 5, 0.1 : -0.1282, -0.2108

sigmoid, 3, 5, 0.3 : -0.1282, -0.2108

sigmoid, 3, 5, 0.5 : -0.1282, -0.2108

sigmoid, 3, 5, 0.7 : -0.1282, -0.2108

sigmoid, 3, 5, 0.9 : -0.1282, -0.2108

sigmoid, 3, 6, 0.1 : -0.1282, -0.2108

sigmoid, 3, 6, 0.3 : -0.1282, -0.2108

sigmoid, 3, 6, 0.5 : -0.1282, -0.2108

sigmoid, 3, 6, 0.7 : -0.1282, -0.2108

sigmoid, 3, 6, 0.9 : -0.1282, -0.2108

sigmoid, 4, 1, 0.1 : -0.1280, -0.2106

sigmoid, 4, 1, 0.3 : -0.1280, -0.2106

sigmoid, 4, 1, 0.5 : -0.1280, -0.2106

sigmoid, 4, 1, 0.7 : -0.1280, -0.2106

sigmoid, 4, 1, 0.9 : -0.1280, -0.2106

sigmoid, 4, 2, 0.1 : -0.1280, -0.2106

sigmoid, 4, 2, 0.3 : -0.1280, -0.2106

sigmoid, 4, 2, 0.5 : -0.1280, -0.2106

sigmoid, 4, 2, 0.7 : -0.1280, -0.2106

sigmoid, 4, 2, 0.9 : -0.1280, -0.2106

sigmoid, 4, 3, 0.1 : -0.1280, -0.2106

sigmoid, 4, 3, 0.3 : -0.1280, -0.2106

sigmoid, 4, 3, 0.5 : -0.1280, -0.2106

sigmoid, 4, 3, 0.7 : -0.1280, -0.2106

sigmoid, 4, 3, 0.9 : -0.1280, -0.2106

sigmoid, 4, 4, 0.1 : -0.1280, -0.2106

sigmoid, 4, 4, 0.3 : -0.1280, -0.2106

sigmoid, 4, 4, 0.5 : -0.1280, -0.2106

sigmoid, 4, 4, 0.7 : -0.1280, -0.2106

sigmoid, 4, 4, 0.9 : -0.1280, -0.2106

sigmoid, 4, 5, 0.1 : -0.1280, -0.2106

sigmoid, 4, 5, 0.3 : -0.1280, -0.2106

sigmoid, 4, 5, 0.5 : -0.1280, -0.2106

sigmoid, 4, 5, 0.7 : -0.1280, -0.2106

sigmoid, 4, 5, 0.9 : -0.1280, -0.2106

sigmoid, 4, 6, 0.1 : -0.1280, -0.2106

sigmoid, 4, 6, 0.3 : -0.1280, -0.2106

sigmoid, 4, 6, 0.5 : -0.1280, -0.2106

sigmoid, 4, 6, 0.7 : -0.1280, -0.2106

sigmoid, 4, 6, 0.9 : -0.1280, -0.2106

linear, 1, 1, 0.1 : -0.1190, -0.2016

linear, 1, 1, 0.3 : -0.1190, -0.2016

linear, 1, 1, 0.5 : -0.1190, -0.2016

linear, 1, 1, 0.7 : -0.1190, -0.2016

linear, 1, 1, 0.9 : -0.1190, -0.2016

linear, 1, 2, 0.1 : -0.1190, -0.2016

linear, 1, 2, 0.3 : -0.1190, -0.2016

linear, 1, 2, 0.5 : -0.1190, -0.2016

linear, 1, 2, 0.7 : -0.1190, -0.2016

linear, 1, 2, 0.9 : -0.1190, -0.2016

linear, 1, 3, 0.1 : -0.1190, -0.2016

linear, 1, 3, 0.3 : -0.1190, -0.2016

linear, 1, 3, 0.5 : -0.1190, -0.2016

linear, 1, 3, 0.7 : -0.1190, -0.2016

linear, 1, 3, 0.9 : -0.1190, -0.2016

linear, 1, 4, 0.1 : -0.1190, -0.2016

linear, 1, 4, 0.3 : -0.1190, -0.2016

linear, 1, 4, 0.5 : -0.1190, -0.2016

linear, 1, 4, 0.7 : -0.1190, -0.2016

linear, 1, 4, 0.9 : -0.1190, -0.2016

linear, 1, 5, 0.1 : -0.1190, -0.2016

linear, 1, 5, 0.3 : -0.1190, -0.2016

linear, 1, 5, 0.5 : -0.1190, -0.2016

linear, 1, 5, 0.7 : -0.1190, -0.2016

linear, 1, 5, 0.9 : -0.1190, -0.2016

linear, 1, 6, 0.1 : -0.1190, -0.2016

linear, 1, 6, 0.3 : -0.1190, -0.2016

linear, 1, 6, 0.5 : -0.1190, -0.2016

linear, 1, 6, 0.7 : -0.1190, -0.2016

linear, 1, 6, 0.9 : -0.1190, -0.2016

linear, 2, 1, 0.1 : -0.1094, -0.1920

linear, 2, 1, 0.3 : -0.1094, -0.1920

linear, 2, 1, 0.5 : -0.1094, -0.1920

linear, 2, 1, 0.7 : -0.1094, -0.1920

linear, 2, 1, 0.9 : -0.1094, -0.1920

linear, 2, 2, 0.1 : -0.1094, -0.1920

linear, 2, 2, 0.3 : -0.1094, -0.1920

linear, 2, 2, 0.5 : -0.1094, -0.1920

linear, 2, 2, 0.7 : -0.1094, -0.1920

linear, 2, 2, 0.9 : -0.1094, -0.1920

linear, 2, 3, 0.1 : -0.1094, -0.1920

linear, 2, 3, 0.3 : -0.1094, -0.1920

linear, 2, 3, 0.5 : -0.1094, -0.1920

linear, 2, 3, 0.7 : -0.1094, -0.1920

linear, 2, 3, 0.9 : -0.1094, -0.1920

linear, 2, 4, 0.1 : -0.1094, -0.1920

linear, 2, 4, 0.3 : -0.1094, -0.1920

linear, 2, 4, 0.5 : -0.1094, -0.1920

linear, 2, 4, 0.7 : -0.1094, -0.1920

linear, 2, 4, 0.9 : -0.1094, -0.1920

linear, 2, 5, 0.1 : -0.1094, -0.1920

linear, 2, 5, 0.3 : -0.1094, -0.1920

linear, 2, 5, 0.5 : -0.1094, -0.1920

linear, 2, 5, 0.7 : -0.1094, -0.1920

linear, 2, 5, 0.9 : -0.1094, -0.1920

linear, 2, 6, 0.1 : -0.1094, -0.1920

linear, 2, 6, 0.3 : -0.1094, -0.1920

linear, 2, 6, 0.5 : -0.1094, -0.1920

linear, 2, 6, 0.7 : -0.1094, -0.1920

linear, 2, 6, 0.9 : -0.1094, -0.1920

linear, 3, 1, 0.1 : -0.1020, -0.1849

linear, 3, 1, 0.3 : -0.1020, -0.1849

linear, 3, 1, 0.5 : -0.1020, -0.1849

linear, 3, 1, 0.7 : -0.1020, -0.1849

linear, 3, 1, 0.9 : -0.1020, -0.1849

linear, 3, 2, 0.1 : -0.1020, -0.1849

linear, 3, 2, 0.3 : -0.1020, -0.1849

linear, 3, 2, 0.5 : -0.1020, -0.1849

linear, 3, 2, 0.7 : -0.1020, -0.1849

linear, 3, 2, 0.9 : -0.1020, -0.1849

linear, 3, 3, 0.1 : -0.1020, -0.1849

linear, 3, 3, 0.3 : -0.1020, -0.1849

linear, 3, 3, 0.5 : -0.1020, -0.1849

linear, 3, 3, 0.7 : -0.1020, -0.1849

linear, 3, 3, 0.9 : -0.1020, -0.1849

linear, 3, 4, 0.1 : -0.1020, -0.1849

linear, 3, 4, 0.3 : -0.1020, -0.1849

linear, 3, 4, 0.5 : -0.1020, -0.1849

linear, 3, 4, 0.7 : -0.1020, -0.1849

linear, 3, 4, 0.9 : -0.1020, -0.1849

linear, 3, 5, 0.1 : -0.1020, -0.1849

linear, 3, 5, 0.3 : -0.1020, -0.1849

linear, 3, 5, 0.5 : -0.1020, -0.1849

linear, 3, 5, 0.7 : -0.1020, -0.1849

linear, 3, 5, 0.9 : -0.1020, -0.1849

linear, 3, 6, 0.1 : -0.1020, -0.1849

linear, 3, 6, 0.3 : -0.1020, -0.1849

linear, 3, 6, 0.5 : -0.1020, -0.1849

linear, 3, 6, 0.7 : -0.1020, -0.1849

linear, 3, 6, 0.9 : -0.1020, -0.1849

linear, 4, 1, 0.1 : -0.0948, -0.1784

linear, 4, 1, 0.3 : -0.0948, -0.1784

linear, 4, 1, 0.5 : -0.0948, -0.1784

linear, 4, 1, 0.7 : -0.0948, -0.1784

linear, 4, 1, 0.9 : -0.0948, -0.1784

linear, 4, 2, 0.1 : -0.0948, -0.1784

linear, 4, 2, 0.3 : -0.0948, -0.1784

linear, 4, 2, 0.5 : -0.0948, -0.1784

linear, 4, 2, 0.7 : -0.0948, -0.1784

linear, 4, 2, 0.9 : -0.0948, -0.1784

linear, 4, 3, 0.1 : -0.0948, -0.1784

linear, 4, 3, 0.3 : -0.0948, -0.1784

linear, 4, 3, 0.5 : -0.0948, -0.1784

linear, 4, 3, 0.7 : -0.0948, -0.1784

linear, 4, 3, 0.9 : -0.0948, -0.1784

linear, 4, 4, 0.1 : -0.0948, -0.1784

linear, 4, 4, 0.3 : -0.0948, -0.1784

linear, 4, 4, 0.5 : -0.0948, -0.1784

linear, 4, 4, 0.7 : -0.0948, -0.1784

linear, 4, 4, 0.9 : -0.0948, -0.1784

linear, 4, 5, 0.1 : -0.0948, -0.1784

linear, 4, 5, 0.3 : -0.0948, -0.1784

linear, 4, 5, 0.5 : -0.0948, -0.1784

linear, 4, 5, 0.7 : -0.0948, -0.1784

linear, 4, 5, 0.9 : -0.0948, -0.1784

linear, 4, 6, 0.1 : -0.0948, -0.1784

linear, 4, 6, 0.3 : -0.0948, -0.1784

linear, 4, 6, 0.5 : -0.0948, -0.1784

linear, 4, 6, 0.7 : -0.0948, -0.1784

linear, 4, 6, 0.9 : -0.0948, -0.1784

Grid search of SVR, Morgan(r = 3)

poly, 1, 1, 0.1 : 0.9912, 0.8414

poly, 1, 1, 0.3 : 0.9912, 0.8414

poly, 1, 1, 0.5 : 0.9912, 0.8414

poly, 1, 1, 0.7 : 0.9912, 0.8414

poly, 1, 1, 0.9 : 0.9912, 0.8414

poly, 1, 2, 0.1 : 0.9912, 0.8414

poly, 1, 2, 0.3 : 0.9912, 0.8414

poly, 1, 2, 0.5 : 0.9912, 0.8414

poly, 1, 2, 0.7 : 0.9912, 0.8414

poly, 1, 2, 0.9 : 0.9912, 0.8414

poly, 1, 3, 0.1 : 0.9912, 0.8414

poly, 1, 3, 0.3 : 0.9912, 0.8414

poly, 1, 3, 0.5 : 0.9912, 0.8414

poly, 1, 3, 0.7 : 0.9912, 0.8414

poly, 1, 3, 0.9 : 0.9912, 0.8414

poly, 1, 4, 0.1 : 0.9912, 0.8414

poly, 1, 4, 0.3 : 0.9912, 0.8414

poly, 1, 4, 0.5 : 0.9912, 0.8414

poly, 1, 4, 0.7 : 0.9912, 0.8414

poly, 1, 4, 0.9 : 0.9912, 0.8414

poly, 1, 5, 0.1 : 0.9912, 0.8414

poly, 1, 5, 0.3 : 0.9912, 0.8414

poly, 1, 5, 0.5 : 0.9912, 0.8414

poly, 1, 5, 0.7 : 0.9912, 0.8414

poly, 1, 5, 0.9 : 0.9912, 0.8414

poly, 1, 6, 0.1 : 0.9912, 0.8414

poly, 1, 6, 0.3 : 0.9912, 0.8414

poly, 1, 6, 0.5 : 0.9912, 0.8414

poly, 1, 6, 0.7 : 0.9912, 0.8414

poly, 1, 6, 0.9 : 0.9912, 0.8414

poly, 2, 1, 0.1 : 0.9912, 0.8414

poly, 2, 1, 0.3 : 0.9912, 0.8414

poly, 2, 1, 0.5 : 0.9912, 0.8414

poly, 2, 1, 0.7 : 0.9912, 0.8414

poly, 2, 1, 0.9 : 0.9912, 0.8414

poly, 2, 2, 0.1 : 0.9912, 0.8414

poly, 2, 2, 0.3 : 0.9912, 0.8414

poly, 2, 2, 0.5 : 0.9912, 0.8414

poly, 2, 2, 0.7 : 0.9912, 0.8414

poly, 2, 2, 0.9 : 0.9912, 0.8414

poly, 2, 3, 0.1 : 0.9912, 0.8414

poly, 2, 3, 0.3 : 0.9912, 0.8414

poly, 2, 3, 0.5 : 0.9912, 0.8414

poly, 2, 3, 0.7 : 0.9912, 0.8414

poly, 2, 3, 0.9 : 0.9912, 0.8414

poly, 2, 4, 0.1 : 0.9912, 0.8414

poly, 2, 4, 0.3 : 0.9912, 0.8414

poly, 2, 4, 0.5 : 0.9912, 0.8414

poly, 2, 4, 0.7 : 0.9912, 0.8414

poly, 2, 4, 0.9 : 0.9912, 0.8414

poly, 2, 5, 0.1 : 0.9912, 0.8414

poly, 2, 5, 0.3 : 0.9912, 0.8414

poly, 2, 5, 0.5 : 0.9912, 0.8414

poly, 2, 5, 0.7 : 0.9912, 0.8414

poly, 2, 5, 0.9 : 0.9912, 0.8414

poly, 2, 6, 0.1 : 0.9912, 0.8414

poly, 2, 6, 0.3 : 0.9912, 0.8414

poly, 2, 6, 0.5 : 0.9912, 0.8414

poly, 2, 6, 0.7 : 0.9912, 0.8414

poly, 2, 6, 0.9 : 0.9912, 0.8414

poly, 3, 1, 0.1 : 0.9912, 0.8414

poly, 3, 1, 0.3 : 0.9912, 0.8414

poly, 3, 1, 0.5 : 0.9912, 0.8414

poly, 3, 1, 0.7 : 0.9912, 0.8414

poly, 3, 1, 0.9 : 0.9912, 0.8414

poly, 3, 2, 0.1 : 0.9912, 0.8414

poly, 3, 2, 0.3 : 0.9912, 0.8414

poly, 3, 2, 0.5 : 0.9912, 0.8414

poly, 3, 2, 0.7 : 0.9912, 0.8414

poly, 3, 2, 0.9 : 0.9912, 0.8414

poly, 3, 3, 0.1 : 0.9912, 0.8414

poly, 3, 3, 0.3 : 0.9912, 0.8414

poly, 3, 3, 0.5 : 0.9912, 0.8414

poly, 3, 3, 0.7 : 0.9912, 0.8414

poly, 3, 3, 0.9 : 0.9912, 0.8414

poly, 3, 4, 0.1 : 0.9912, 0.8414

poly, 3, 4, 0.3 : 0.9912, 0.8414

poly, 3, 4, 0.5 : 0.9912, 0.8414

poly, 3, 4, 0.7 : 0.9912, 0.8414

poly, 3, 4, 0.9 : 0.9912, 0.8414

poly, 3, 5, 0.1 : 0.9912, 0.8414

poly, 3, 5, 0.3 : 0.9912, 0.8414

poly, 3, 5, 0.5 : 0.9912, 0.8414

poly, 3, 5, 0.7 : 0.9912, 0.8414

poly, 3, 5, 0.9 : 0.9912, 0.8414

poly, 3, 6, 0.1 : 0.9912, 0.8414

poly, 3, 6, 0.3 : 0.9912, 0.8414

poly, 3, 6, 0.5 : 0.9912, 0.8414

poly, 3, 6, 0.7 : 0.9912, 0.8414

poly, 3, 6, 0.9 : 0.9912, 0.8414

poly, 4, 1, 0.1 : 0.9912, 0.8414

poly, 4, 1, 0.3 : 0.9912, 0.8414

poly, 4, 1, 0.5 : 0.9912, 0.8414

poly, 4, 1, 0.7 : 0.9912, 0.8414

poly, 4, 1, 0.9 : 0.9912, 0.8414

poly, 4, 2, 0.1 : 0.9912, 0.8414

poly, 4, 2, 0.3 : 0.9912, 0.8414

poly, 4, 2, 0.5 : 0.9912, 0.8414

poly, 4, 2, 0.7 : 0.9912, 0.8414

poly, 4, 2, 0.9 : 0.9912, 0.8414

poly, 4, 3, 0.1 : 0.9912, 0.8414

poly, 4, 3, 0.3 : 0.9912, 0.8414

poly, 4, 3, 0.5 : 0.9912, 0.8414

poly, 4, 3, 0.7 : 0.9912, 0.8414

poly, 4, 3, 0.9 : 0.9912, 0.8414

poly, 4, 4, 0.1 : 0.9912, 0.8414

poly, 4, 4, 0.3 : 0.9912, 0.8414

poly, 4, 4, 0.5 : 0.9912, 0.8414

poly, 4, 4, 0.7 : 0.9912, 0.8414

poly, 4, 4, 0.9 : 0.9912, 0.8414

poly, 4, 5, 0.1 : 0.9912, 0.8414

poly, 4, 5, 0.3 : 0.9912, 0.8414

poly, 4, 5, 0.5 : 0.9912, 0.8414

poly, 4, 5, 0.7 : 0.9912, 0.8414

poly, 4, 5, 0.9 : 0.9912, 0.8414

poly, 4, 6, 0.1 : 0.9912, 0.8414

poly, 4, 6, 0.3 : 0.9912, 0.8414

poly, 4, 6, 0.5 : 0.9912, 0.8414

poly, 4, 6, 0.7 : 0.9912, 0.8414

poly, 4, 6, 0.9 : 0.9912, 0.8414

rbf, 1, 1, 0.1 : -0.1289, -0.2115

rbf, 1, 1, 0.3 : -0.1289, -0.2115

rbf, 1, 1, 0.5 : -0.1289, -0.2115

rbf, 1, 1, 0.7 : -0.1289, -0.2115

rbf, 1, 1, 0.9 : -0.1289, -0.2115

rbf, 1, 2, 0.1 : -0.1289, -0.2115

rbf, 1, 2, 0.3 : -0.1289, -0.2115

rbf, 1, 2, 0.5 : -0.1289, -0.2115

rbf, 1, 2, 0.7 : -0.1289, -0.2115

rbf, 1, 2, 0.9 : -0.1289, -0.2115

rbf, 1, 3, 0.1 : -0.1289, -0.2115

rbf, 1, 3, 0.3 : -0.1289, -0.2115

rbf, 1, 3, 0.5 : -0.1289, -0.2115

rbf, 1, 3, 0.7 : -0.1289, -0.2115

rbf, 1, 3, 0.9 : -0.1289, -0.2115

rbf, 1, 4, 0.1 : -0.1289, -0.2115

rbf, 1, 4, 0.3 : -0.1289, -0.2115

rbf, 1, 4, 0.5 : -0.1289, -0.2115

rbf, 1, 4, 0.7 : -0.1289, -0.2115

rbf, 1, 4, 0.9 : -0.1289, -0.2115

rbf, 1, 5, 0.1 : -0.1289, -0.2115

rbf, 1, 5, 0.3 : -0.1289, -0.2115

rbf, 1, 5, 0.5 : -0.1289, -0.2115

rbf, 1, 5, 0.7 : -0.1289, -0.2115

rbf, 1, 5, 0.9 : -0.1289, -0.2115

rbf, 1, 6, 0.1 : -0.1289, -0.2115

rbf, 1, 6, 0.3 : -0.1289, -0.2115

rbf, 1, 6, 0.5 : -0.1289, -0.2115

rbf, 1, 6, 0.7 : -0.1289, -0.2115

rbf, 1, 6, 0.9 : -0.1289, -0.2115

rbf, 2, 1, 0.1 : -0.1289, -0.2115

rbf, 2, 1, 0.3 : -0.1289, -0.2115

rbf, 2, 1, 0.5 : -0.1289, -0.2115

rbf, 2, 1, 0.7 : -0.1289, -0.2115

rbf, 2, 1, 0.9 : -0.1289, -0.2115

rbf, 2, 2, 0.1 : -0.1289, -0.2115

rbf, 2, 2, 0.3 : -0.1289, -0.2115

rbf, 2, 2, 0.5 : -0.1289, -0.2115

rbf, 2, 2, 0.7 : -0.1289, -0.2115

rbf, 2, 2, 0.9 : -0.1289, -0.2115

rbf, 2, 3, 0.1 : -0.1289, -0.2115

rbf, 2, 3, 0.3 : -0.1289, -0.2115

rbf, 2, 3, 0.5 : -0.1289, -0.2115

rbf, 2, 3, 0.7 : -0.1289, -0.2115

rbf, 2, 3, 0.9 : -0.1289, -0.2115

rbf, 2, 4, 0.1 : -0.1289, -0.2115

rbf, 2, 4, 0.3 : -0.1289, -0.2115

rbf, 2, 4, 0.5 : -0.1289, -0.2115

rbf, 2, 4, 0.7 : -0.1289, -0.2115

rbf, 2, 4, 0.9 : -0.1289, -0.2115

rbf, 2, 5, 0.1 : -0.1289, -0.2115

rbf, 2, 5, 0.3 : -0.1289, -0.2115

rbf, 2, 5, 0.5 : -0.1289, -0.2115

rbf, 2, 5, 0.7 : -0.1289, -0.2115

rbf, 2, 5, 0.9 : -0.1289, -0.2115

rbf, 2, 6, 0.1 : -0.1289, -0.2115

rbf, 2, 6, 0.3 : -0.1289, -0.2115

rbf, 2, 6, 0.5 : -0.1289, -0.2115

rbf, 2, 6, 0.7 : -0.1289, -0.2115

rbf, 2, 6, 0.9 : -0.1289, -0.2115

rbf, 3, 1, 0.1 : -0.1289, -0.2115

rbf, 3, 1, 0.3 : -0.1289, -0.2115

rbf, 3, 1, 0.5 : -0.1289, -0.2115

rbf, 3, 1, 0.7 : -0.1289, -0.2115

rbf, 3, 1, 0.9 : -0.1289, -0.2115

rbf, 3, 2, 0.1 : -0.1289, -0.2115

rbf, 3, 2, 0.3 : -0.1289, -0.2115

rbf, 3, 2, 0.5 : -0.1289, -0.2115

rbf, 3, 2, 0.7 : -0.1289, -0.2115

rbf, 3, 2, 0.9 : -0.1289, -0.2115

rbf, 3, 3, 0.1 : -0.1289, -0.2115

rbf, 3, 3, 0.3 : -0.1289, -0.2115

rbf, 3, 3, 0.5 : -0.1289, -0.2115

rbf, 3, 3, 0.7 : -0.1289, -0.2115

rbf, 3, 3, 0.9 : -0.1289, -0.2115

rbf, 3, 4, 0.1 : -0.1289, -0.2115

rbf, 3, 4, 0.3 : -0.1289, -0.2115

rbf, 3, 4, 0.5 : -0.1289, -0.2115

rbf, 3, 4, 0.7 : -0.1289, -0.2115

rbf, 3, 4, 0.9 : -0.1289, -0.2115

rbf, 3, 5, 0.1 : -0.1289, -0.2115

rbf, 3, 5, 0.3 : -0.1289, -0.2115

rbf, 3, 5, 0.5 : -0.1289, -0.2115

rbf, 3, 5, 0.7 : -0.1289, -0.2115

rbf, 3, 5, 0.9 : -0.1289, -0.2115

rbf, 3, 6, 0.1 : -0.1289, -0.2115

rbf, 3, 6, 0.3 : -0.1289, -0.2115

rbf, 3, 6, 0.5 : -0.1289, -0.2115

rbf, 3, 6, 0.7 : -0.1289, -0.2115

rbf, 3, 6, 0.9 : -0.1289, -0.2115

rbf, 4, 1, 0.1 : -0.1289, -0.2115

rbf, 4, 1, 0.3 : -0.1289, -0.2115

rbf, 4, 1, 0.5 : -0.1289, -0.2115

rbf, 4, 1, 0.7 : -0.1289, -0.2115

rbf, 4, 1, 0.9 : -0.1289, -0.2115

rbf, 4, 2, 0.1 : -0.1289, -0.2115

rbf, 4, 2, 0.3 : -0.1289, -0.2115

rbf, 4, 2, 0.5 : -0.1289, -0.2115

rbf, 4, 2, 0.7 : -0.1289, -0.2115

rbf, 4, 2, 0.9 : -0.1289, -0.2115

rbf, 4, 3, 0.1 : -0.1289, -0.2115

rbf, 4, 3, 0.3 : -0.1289, -0.2115

rbf, 4, 3, 0.5 : -0.1289, -0.2115

rbf, 4, 3, 0.7 : -0.1289, -0.2115

rbf, 4, 3, 0.9 : -0.1289, -0.2115

rbf, 4, 4, 0.1 : -0.1289, -0.2115

rbf, 4, 4, 0.3 : -0.1289, -0.2115

rbf, 4, 4, 0.5 : -0.1289, -0.2115

rbf, 4, 4, 0.7 : -0.1289, -0.2115

rbf, 4, 4, 0.9 : -0.1289, -0.2115

rbf, 4, 5, 0.1 : -0.1289, -0.2115

rbf, 4, 5, 0.3 : -0.1289, -0.2115

rbf, 4, 5, 0.5 : -0.1289, -0.2115

rbf, 4, 5, 0.7 : -0.1289, -0.2115

rbf, 4, 5, 0.9 : -0.1289, -0.2115

rbf, 4, 6, 0.1 : -0.1289, -0.2115

rbf, 4, 6, 0.3 : -0.1289, -0.2115

rbf, 4, 6, 0.5 : -0.1289, -0.2115

rbf, 4, 6, 0.7 : -0.1289, -0.2115

rbf, 4, 6, 0.9 : -0.1289, -0.2115

sigmoid, 1, 1, 0.1 : -0.1286, -0.2113

sigmoid, 1, 1, 0.3 : -0.1286, -0.2113

sigmoid, 1, 1, 0.5 : -0.1286, -0.2113

sigmoid, 1, 1, 0.7 : -0.1286, -0.2113

sigmoid, 1, 1, 0.9 : -0.1286, -0.2113

sigmoid, 1, 2, 0.1 : -0.1286, -0.2113

sigmoid, 1, 2, 0.3 : -0.1286, -0.2113

sigmoid, 1, 2, 0.5 : -0.1286, -0.2113

sigmoid, 1, 2, 0.7 : -0.1286, -0.2113

sigmoid, 1, 2, 0.9 : -0.1286, -0.2113

sigmoid, 1, 3, 0.1 : -0.1286, -0.2113

sigmoid, 1, 3, 0.3 : -0.1286, -0.2113

sigmoid, 1, 3, 0.5 : -0.1286, -0.2113

sigmoid, 1, 3, 0.7 : -0.1286, -0.2113

sigmoid, 1, 3, 0.9 : -0.1286, -0.2113

sigmoid, 1, 4, 0.1 : -0.1286, -0.2113

sigmoid, 1, 4, 0.3 : -0.1286, -0.2113

sigmoid, 1, 4, 0.5 : -0.1286, -0.2113

sigmoid, 1, 4, 0.7 : -0.1286, -0.2113

sigmoid, 1, 4, 0.9 : -0.1286, -0.2113

sigmoid, 1, 5, 0.1 : -0.1286, -0.2113

sigmoid, 1, 5, 0.3 : -0.1286, -0.2113

sigmoid, 1, 5, 0.5 : -0.1286, -0.2113

sigmoid, 1, 5, 0.7 : -0.1286, -0.2113

sigmoid, 1, 5, 0.9 : -0.1286, -0.2113

sigmoid, 1, 6, 0.1 : -0.1286, -0.2113

sigmoid, 1, 6, 0.3 : -0.1286, -0.2113

sigmoid, 1, 6, 0.5 : -0.1286, -0.2113

sigmoid, 1, 6, 0.7 : -0.1286, -0.2113

sigmoid, 1, 6, 0.9 : -0.1286, -0.2113

sigmoid, 2, 1, 0.1 : -0.1284, -0.2110

sigmoid, 2, 1, 0.3 : -0.1284, -0.2110

sigmoid, 2, 1, 0.5 : -0.1284, -0.2110

sigmoid, 2, 1, 0.7 : -0.1284, -0.2110

sigmoid, 2, 1, 0.9 : -0.1284, -0.2110

sigmoid, 2, 2, 0.1 : -0.1284, -0.2110

sigmoid, 2, 2, 0.3 : -0.1284, -0.2110

sigmoid, 2, 2, 0.5 : -0.1284, -0.2110

sigmoid, 2, 2, 0.7 : -0.1284, -0.2110

sigmoid, 2, 2, 0.9 : -0.1284, -0.2110

sigmoid, 2, 3, 0.1 : -0.1284, -0.2110

sigmoid, 2, 3, 0.3 : -0.1284, -0.2110

sigmoid, 2, 3, 0.5 : -0.1284, -0.2110

sigmoid, 2, 3, 0.7 : -0.1284, -0.2110

sigmoid, 2, 3, 0.9 : -0.1284, -0.2110

sigmoid, 2, 4, 0.1 : -0.1284, -0.2110

sigmoid, 2, 4, 0.3 : -0.1284, -0.2110

sigmoid, 2, 4, 0.5 : -0.1284, -0.2110

sigmoid, 2, 4, 0.7 : -0.1284, -0.2110

sigmoid, 2, 4, 0.9 : -0.1284, -0.2110

sigmoid, 2, 5, 0.1 : -0.1284, -0.2110

sigmoid, 2, 5, 0.3 : -0.1284, -0.2110

sigmoid, 2, 5, 0.5 : -0.1284, -0.2110

sigmoid, 2, 5, 0.7 : -0.1284, -0.2110

sigmoid, 2, 5, 0.9 : -0.1284, -0.2110

sigmoid, 2, 6, 0.1 : -0.1284, -0.2110

sigmoid, 2, 6, 0.3 : -0.1284, -0.2110

sigmoid, 2, 6, 0.5 : -0.1284, -0.2110

sigmoid, 2, 6, 0.7 : -0.1284, -0.2110

sigmoid, 2, 6, 0.9 : -0.1284, -0.2110

sigmoid, 3, 1, 0.1 : -0.1282, -0.2108

sigmoid, 3, 1, 0.3 : -0.1282, -0.2108

sigmoid, 3, 1, 0.5 : -0.1282, -0.2108

sigmoid, 3, 1, 0.7 : -0.1282, -0.2108

sigmoid, 3, 1, 0.9 : -0.1282, -0.2108

sigmoid, 3, 2, 0.1 : -0.1282, -0.2108

sigmoid, 3, 2, 0.3 : -0.1282, -0.2108

sigmoid, 3, 2, 0.5 : -0.1282, -0.2108

sigmoid, 3, 2, 0.7 : -0.1282, -0.2108

sigmoid, 3, 2, 0.9 : -0.1282, -0.2108

sigmoid, 3, 3, 0.1 : -0.1282, -0.2108

sigmoid, 3, 3, 0.3 : -0.1282, -0.2108

sigmoid, 3, 3, 0.5 : -0.1282, -0.2108

sigmoid, 3, 3, 0.7 : -0.1282, -0.2108

sigmoid, 3, 3, 0.9 : -0.1282, -0.2108

sigmoid, 3, 4, 0.1 : -0.1282, -0.2108

sigmoid, 3, 4, 0.3 : -0.1282, -0.2108

sigmoid, 3, 4, 0.5 : -0.1282, -0.2108

sigmoid, 3, 4, 0.7 : -0.1282, -0.2108

sigmoid, 3, 4, 0.9 : -0.1282, -0.2108

sigmoid, 3, 5, 0.1 : -0.1282, -0.2108

sigmoid, 3, 5, 0.3 : -0.1282, -0.2108

sigmoid, 3, 5, 0.5 : -0.1282, -0.2108

sigmoid, 3, 5, 0.7 : -0.1282, -0.2108

sigmoid, 3, 5, 0.9 : -0.1282, -0.2108

sigmoid, 3, 6, 0.1 : -0.1282, -0.2108

sigmoid, 3, 6, 0.3 : -0.1282, -0.2108

sigmoid, 3, 6, 0.5 : -0.1282, -0.2108

sigmoid, 3, 6, 0.7 : -0.1282, -0.2108

sigmoid, 3, 6, 0.9 : -0.1282, -0.2108

sigmoid, 4, 1, 0.1 : -0.1280, -0.2106

sigmoid, 4, 1, 0.3 : -0.1280, -0.2106

sigmoid, 4, 1, 0.5 : -0.1280, -0.2106

sigmoid, 4, 1, 0.7 : -0.1280, -0.2106

sigmoid, 4, 1, 0.9 : -0.1280, -0.2106

sigmoid, 4, 2, 0.1 : -0.1280, -0.2106

sigmoid, 4, 2, 0.3 : -0.1280, -0.2106

sigmoid, 4, 2, 0.5 : -0.1280, -0.2106

sigmoid, 4, 2, 0.7 : -0.1280, -0.2106

sigmoid, 4, 2, 0.9 : -0.1280, -0.2106

sigmoid, 4, 3, 0.1 : -0.1280, -0.2106

sigmoid, 4, 3, 0.3 : -0.1280, -0.2106

sigmoid, 4, 3, 0.5 : -0.1280, -0.2106

sigmoid, 4, 3, 0.7 : -0.1280, -0.2106

sigmoid, 4, 3, 0.9 : -0.1280, -0.2106

sigmoid, 4, 4, 0.1 : -0.1280, -0.2106

sigmoid, 4, 4, 0.3 : -0.1280, -0.2106

sigmoid, 4, 4, 0.5 : -0.1280, -0.2106

sigmoid, 4, 4, 0.7 : -0.1280, -0.2106

sigmoid, 4, 4, 0.9 : -0.1280, -0.2106

sigmoid, 4, 5, 0.1 : -0.1280, -0.2106

sigmoid, 4, 5, 0.3 : -0.1280, -0.2106

sigmoid, 4, 5, 0.5 : -0.1280, -0.2106

sigmoid, 4, 5, 0.7 : -0.1280, -0.2106

sigmoid, 4, 5, 0.9 : -0.1280, -0.2106

sigmoid, 4, 6, 0.1 : -0.1280, -0.2106

sigmoid, 4, 6, 0.3 : -0.1280, -0.2106

sigmoid, 4, 6, 0.5 : -0.1280, -0.2106

sigmoid, 4, 6, 0.7 : -0.1280, -0.2106

sigmoid, 4, 6, 0.9 : -0.1280, -0.2106

linear, 1, 1, 0.1 : -0.1149, -0.1983

linear, 1, 1, 0.3 : -0.1149, -0.1983

linear, 1, 1, 0.5 : -0.1149, -0.1983

linear, 1, 1, 0.7 : -0.1149, -0.1983

linear, 1, 1, 0.9 : -0.1149, -0.1983

linear, 1, 2, 0.1 : -0.1149, -0.1983

linear, 1, 2, 0.3 : -0.1149, -0.1983

linear, 1, 2, 0.5 : -0.1149, -0.1983

linear, 1, 2, 0.7 : -0.1149, -0.1983

linear, 1, 2, 0.9 : -0.1149, -0.1983

linear, 1, 3, 0.1 : -0.1149, -0.1983

linear, 1, 3, 0.3 : -0.1149, -0.1983

linear, 1, 3, 0.5 : -0.1149, -0.1983

linear, 1, 3, 0.7 : -0.1149, -0.1983

linear, 1, 3, 0.9 : -0.1149, -0.1983

linear, 1, 4, 0.1 : -0.1149, -0.1983

linear, 1, 4, 0.3 : -0.1149, -0.1983

linear, 1, 4, 0.5 : -0.1149, -0.1983

linear, 1, 4, 0.7 : -0.1149, -0.1983

linear, 1, 4, 0.9 : -0.1149, -0.1983

linear, 1, 5, 0.1 : -0.1149, -0.1983

linear, 1, 5, 0.3 : -0.1149, -0.1983

linear, 1, 5, 0.5 : -0.1149, -0.1983

linear, 1, 5, 0.7 : -0.1149, -0.1983

linear, 1, 5, 0.9 : -0.1149, -0.1983

linear, 1, 6, 0.1 : -0.1149, -0.1983

linear, 1, 6, 0.3 : -0.1149, -0.1983

linear, 1, 6, 0.5 : -0.1149, -0.1983

linear, 1, 6, 0.7 : -0.1149, -0.1983

linear, 1, 6, 0.9 : -0.1149, -0.1983

linear, 2, 1, 0.1 : -0.1041, -0.1888

linear, 2, 1, 0.3 : -0.1041, -0.1888

linear, 2, 1, 0.5 : -0.1041, -0.1888

linear, 2, 1, 0.7 : -0.1041, -0.1888

linear, 2, 1, 0.9 : -0.1041, -0.1888

linear, 2, 2, 0.1 : -0.1041, -0.1888

linear, 2, 2, 0.3 : -0.1041, -0.1888

linear, 2, 2, 0.5 : -0.1041, -0.1888

linear, 2, 2, 0.7 : -0.1041, -0.1888

linear, 2, 2, 0.9 : -0.1041, -0.1888

linear, 2, 3, 0.1 : -0.1041, -0.1888

linear, 2, 3, 0.3 : -0.1041, -0.1888

linear, 2, 3, 0.5 : -0.1041, -0.1888

linear, 2, 3, 0.7 : -0.1041, -0.1888

linear, 2, 3, 0.9 : -0.1041, -0.1888

linear, 2, 4, 0.1 : -0.1041, -0.1888

linear, 2, 4, 0.3 : -0.1041, -0.1888

linear, 2, 4, 0.5 : -0.1041, -0.1888

linear, 2, 4, 0.7 : -0.1041, -0.1888

linear, 2, 4, 0.9 : -0.1041, -0.1888

linear, 2, 5, 0.1 : -0.1041, -0.1888

linear, 2, 5, 0.3 : -0.1041, -0.1888

linear, 2, 5, 0.5 : -0.1041, -0.1888

linear, 2, 5, 0.7 : -0.1041, -0.1888

linear, 2, 5, 0.9 : -0.1041, -0.1888

linear, 2, 6, 0.1 : -0.1041, -0.1888

linear, 2, 6, 0.3 : -0.1041, -0.1888

linear, 2, 6, 0.5 : -0.1041, -0.1888

linear, 2, 6, 0.7 : -0.1041, -0.1888

linear, 2, 6, 0.9 : -0.1041, -0.1888

linear, 3, 1, 0.1 : -0.0926, -0.1783

linear, 3, 1, 0.3 : -0.0926, -0.1783

linear, 3, 1, 0.5 : -0.0926, -0.1783

linear, 3, 1, 0.7 : -0.0926, -0.1783

linear, 3, 1, 0.9 : -0.0926, -0.1783

linear, 3, 2, 0.1 : -0.0926, -0.1783

linear, 3, 2, 0.3 : -0.0926, -0.1783

linear, 3, 2, 0.5 : -0.0926, -0.1783

linear, 3, 2, 0.7 : -0.0926, -0.1783

linear, 3, 2, 0.9 : -0.0926, -0.1783

linear, 3, 3, 0.1 : -0.0926, -0.1783

linear, 3, 3, 0.3 : -0.0926, -0.1783

linear, 3, 3, 0.5 : -0.0926, -0.1783

linear, 3, 3, 0.7 : -0.0926, -0.1783

linear, 3, 3, 0.9 : -0.0926, -0.1783

linear, 3, 4, 0.1 : -0.0926, -0.1783

linear, 3, 4, 0.3 : -0.0926, -0.1783

linear, 3, 4, 0.5 : -0.0926, -0.1783

linear, 3, 4, 0.7 : -0.0926, -0.1783

linear, 3, 4, 0.9 : -0.0926, -0.1783

linear, 3, 5, 0.1 : -0.0926, -0.1783

linear, 3, 5, 0.3 : -0.0926, -0.1783

linear, 3, 5, 0.5 : -0.0926, -0.1783

linear, 3, 5, 0.7 : -0.0926, -0.1783

linear, 3, 5, 0.9 : -0.0926, -0.1783

linear, 3, 6, 0.1 : -0.0926, -0.1783

linear, 3, 6, 0.3 : -0.0926, -0.1783

linear, 3, 6, 0.5 : -0.0926, -0.1783

linear, 3, 6, 0.7 : -0.0926, -0.1783

linear, 3, 6, 0.9 : -0.0926, -0.1783

linear, 4, 1, 0.1 : -0.0821, -0.1689

linear, 4, 1, 0.3 : -0.0821, -0.1689

linear, 4, 1, 0.5 : -0.0821, -0.1689

linear, 4, 1, 0.7 : -0.0821, -0.1689

linear, 4, 1, 0.9 : -0.0821, -0.1689

linear, 4, 2, 0.1 : -0.0821, -0.1689

linear, 4, 2, 0.3 : -0.0821, -0.1689

linear, 4, 2, 0.5 : -0.0821, -0.1689

linear, 4, 2, 0.7 : -0.0821, -0.1689

linear, 4, 2, 0.9 : -0.0821, -0.1689

linear, 4, 3, 0.1 : -0.0821, -0.1689

linear, 4, 3, 0.3 : -0.0821, -0.1689

linear, 4, 3, 0.5 : -0.0821, -0.1689

linear, 4, 3, 0.7 : -0.0821, -0.1689

linear, 4, 3, 0.9 : -0.0821, -0.1689

linear, 4, 4, 0.1 : -0.0821, -0.1689

linear, 4, 4, 0.3 : -0.0821, -0.1689

linear, 4, 4, 0.5 : -0.0821, -0.1689

linear, 4, 4, 0.7 : -0.0821, -0.1689

linear, 4, 4, 0.9 : -0.0821, -0.1689

linear, 4, 5, 0.1 : -0.0821, -0.1689

linear, 4, 5, 0.3 : -0.0821, -0.1689

linear, 4, 5, 0.5 : -0.0821, -0.1689

linear, 4, 5, 0.7 : -0.0821, -0.1689

linear, 4, 5, 0.9 : -0.0821, -0.1689

linear, 4, 6, 0.1 : -0.0821, -0.1689

linear, 4, 6, 0.3 : -0.0821, -0.1689

linear, 4, 6, 0.5 : -0.0821, -0.1689

linear, 4, 6, 0.7 : -0.0821, -0.1689

linear, 4, 6, 0.9 : -0.0821, -0.1689

Grid search of SVR, Morgan(r = 4)

poly, 1, 1, 0.1 : 1.0000, -4.0931

poly, 1, 1, 0.3 : 1.0000, -4.0931

poly, 1, 1, 0.5 : 1.0000, -4.0931

poly, 1, 1, 0.7 : 1.0000, -4.0931

poly, 1, 1, 0.9 : 1.0000, -4.0931

poly, 1, 2, 0.1 : 1.0000, -4.0931

poly, 1, 2, 0.3 : 1.0000, -4.0931

poly, 1, 2, 0.5 : 1.0000, -4.0931

poly, 1, 2, 0.7 : 1.0000, -4.0931

poly, 1, 2, 0.9 : 1.0000, -4.0931

poly, 1, 3, 0.1 : 1.0000, -4.0931

poly, 1, 3, 0.3 : 1.0000, -4.0931

poly, 1, 3, 0.5 : 1.0000, -4.0931

poly, 1, 3, 0.7 : 1.0000, -4.0931

poly, 1, 3, 0.9 : 1.0000, -4.0931

poly, 1, 4, 0.1 : 1.0000, -4.0931

poly, 1, 4, 0.3 : 1.0000, -4.0931

poly, 1, 4, 0.5 : 1.0000, -4.0931

poly, 1, 4, 0.7 : 1.0000, -4.0931

poly, 1, 4, 0.9 : 1.0000, -4.0931

poly, 1, 5, 0.1 : 1.0000, -4.0931

poly, 1, 5, 0.3 : 1.0000, -4.0931

poly, 1, 5, 0.5 : 1.0000, -4.0931

poly, 1, 5, 0.7 : 1.0000, -4.0931

poly, 1, 5, 0.9 : 1.0000, -4.0931

poly, 1, 6, 0.1 : 1.0000, -4.0931

poly, 1, 6, 0.3 : 1.0000, -4.0931

poly, 1, 6, 0.5 : 1.0000, -4.0931

poly, 1, 6, 0.7 : 1.0000, -4.0931

poly, 1, 6, 0.9 : 1.0000, -4.0931

poly, 2, 1, 0.1 : 1.0000, -4.0931

poly, 2, 1, 0.3 : 1.0000, -4.0931

poly, 2, 1, 0.5 : 1.0000, -4.0931

poly, 2, 1, 0.7 : 1.0000, -4.0931

poly, 2, 1, 0.9 : 1.0000, -4.0931

poly, 2, 2, 0.1 : 1.0000, -4.0931

poly, 2, 2, 0.3 : 1.0000, -4.0931

poly, 2, 2, 0.5 : 1.0000, -4.0931

poly, 2, 2, 0.7 : 1.0000, -4.0931

poly, 2, 2, 0.9 : 1.0000, -4.0931

poly, 2, 3, 0.1 : 1.0000, -4.0931

poly, 2, 3, 0.3 : 1.0000, -4.0931

poly, 2, 3, 0.5 : 1.0000, -4.0931

poly, 2, 3, 0.7 : 1.0000, -4.0931

poly, 2, 3, 0.9 : 1.0000, -4.0931

poly, 2, 4, 0.1 : 1.0000, -4.0931

poly, 2, 4, 0.3 : 1.0000, -4.0931

poly, 2, 4, 0.5 : 1.0000, -4.0931

poly, 2, 4, 0.7 : 1.0000, -4.0931

poly, 2, 4, 0.9 : 1.0000, -4.0931

poly, 2, 5, 0.1 : 1.0000, -4.0931

poly, 2, 5, 0.3 : 1.0000, -4.0931

poly, 2, 5, 0.5 : 1.0000, -4.0931

poly, 2, 5, 0.7 : 1.0000, -4.0931

poly, 2, 5, 0.9 : 1.0000, -4.0931

poly, 2, 6, 0.1 : 1.0000, -4.0931

poly, 2, 6, 0.3 : 1.0000, -4.0931

poly, 2, 6, 0.5 : 1.0000, -4.0931

poly, 2, 6, 0.7 : 1.0000, -4.0931

poly, 2, 6, 0.9 : 1.0000, -4.0931

poly, 3, 1, 0.1 : 1.0000, -4.0931

poly, 3, 1, 0.3 : 1.0000, -4.0931

poly, 3, 1, 0.5 : 1.0000, -4.0931

poly, 3, 1, 0.7 : 1.0000, -4.0931

poly, 3, 1, 0.9 : 1.0000, -4.0931

poly, 3, 2, 0.1 : 1.0000, -4.0931

poly, 3, 2, 0.3 : 1.0000, -4.0931

poly, 3, 2, 0.5 : 1.0000, -4.0931

poly, 3, 2, 0.7 : 1.0000, -4.0931

poly, 3, 2, 0.9 : 1.0000, -4.0931

poly, 3, 3, 0.1 : 1.0000, -4.0931

poly, 3, 3, 0.3 : 1.0000, -4.0931

poly, 3, 3, 0.5 : 1.0000, -4.0931

poly, 3, 3, 0.7 : 1.0000, -4.0931

poly, 3, 3, 0.9 : 1.0000, -4.0931

poly, 3, 4, 0.1 : 1.0000, -4.0931

poly, 3, 4, 0.3 : 1.0000, -4.0931

poly, 3, 4, 0.5 : 1.0000, -4.0931

poly, 3, 4, 0.7 : 1.0000, -4.0931

poly, 3, 4, 0.9 : 1.0000, -4.0931

poly, 3, 5, 0.1 : 1.0000, -4.0931

poly, 3, 5, 0.3 : 1.0000, -4.0931

poly, 3, 5, 0.5 : 1.0000, -4.0931

poly, 3, 5, 0.7 : 1.0000, -4.0931

poly, 3, 5, 0.9 : 1.0000, -4.0931

poly, 3, 6, 0.1 : 1.0000, -4.0931

poly, 3, 6, 0.3 : 1.0000, -4.0931

poly, 3, 6, 0.5 : 1.0000, -4.0931

poly, 3, 6, 0.7 : 1.0000, -4.0931

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linear, 3, 3, 0.5 : -0.0427, 0.0335

linear, 3, 3, 0.7 : -0.0427, 0.0335

linear, 3, 3, 0.9 : -0.0427, 0.0335

linear, 3, 4, 0.1 : -0.0427, 0.0335

linear, 3, 4, 0.3 : -0.0427, 0.0335

linear, 3, 4, 0.5 : -0.0427, 0.0335

linear, 3, 4, 0.7 : -0.0427, 0.0335

linear, 3, 4, 0.9 : -0.0427, 0.0335

linear, 3, 5, 0.1 : -0.0427, 0.0335

linear, 3, 5, 0.3 : -0.0427, 0.0335

linear, 3, 5, 0.5 : -0.0427, 0.0335

linear, 3, 5, 0.7 : -0.0427, 0.0335

linear, 3, 5, 0.9 : -0.0427, 0.0335

linear, 3, 6, 0.1 : -0.0427, 0.0335

linear, 3, 6, 0.3 : -0.0427, 0.0335

linear, 3, 6, 0.5 : -0.0427, 0.0335

linear, 3, 6, 0.7 : -0.0427, 0.0335

linear, 3, 6, 0.9 : -0.0427, 0.0335

linear, 4, 1, 0.1 : -0.0396, 0.0506

linear, 4, 1, 0.3 : -0.0396, 0.0506

linear, 4, 1, 0.5 : -0.0396, 0.0506

linear, 4, 1, 0.7 : -0.0396, 0.0506

linear, 4, 1, 0.9 : -0.0396, 0.0506

linear, 4, 2, 0.1 : -0.0396, 0.0506

linear, 4, 2, 0.3 : -0.0396, 0.0506

linear, 4, 2, 0.5 : -0.0396, 0.0506

linear, 4, 2, 0.7 : -0.0396, 0.0506

linear, 4, 2, 0.9 : -0.0396, 0.0506

linear, 4, 3, 0.1 : -0.0396, 0.0506

linear, 4, 3, 0.3 : -0.0396, 0.0506

linear, 4, 3, 0.5 : -0.0396, 0.0506

linear, 4, 3, 0.7 : -0.0396, 0.0506

linear, 4, 3, 0.9 : -0.0396, 0.0506

linear, 4, 4, 0.1 : -0.0396, 0.0506

linear, 4, 4, 0.3 : -0.0396, 0.0506

linear, 4, 4, 0.5 : -0.0396, 0.0506

linear, 4, 4, 0.7 : -0.0396, 0.0506

linear, 4, 4, 0.9 : -0.0396, 0.0506

linear, 4, 5, 0.1 : -0.0396, 0.0506

linear, 4, 5, 0.3 : -0.0396, 0.0506

linear, 4, 5, 0.5 : -0.0396, 0.0506

linear, 4, 5, 0.7 : -0.0396, 0.0506

linear, 4, 5, 0.9 : -0.0396, 0.0506

linear, 4, 6, 0.1 : -0.0396, 0.0506

linear, 4, 6, 0.3 : -0.0396, 0.0506

linear, 4, 6, 0.5 : -0.0396, 0.0506

linear, 4, 6, 0.7 : -0.0396, 0.0506

linear, 4, 6, 0.9 : -0.0396, 0.0506

Grid search of SVR, MACCS

poly, 1, 1, 0.1 : 0.8183, 0.8562

poly, 1, 1, 0.3 : 0.8183, 0.8562

poly, 1, 1, 0.5 : 0.8183, 0.8562

poly, 1, 1, 0.7 : 0.8183, 0.8562

poly, 1, 1, 0.9 : 0.8183, 0.8562

poly, 1, 2, 0.1 : 0.9297, 0.8808

poly, 1, 2, 0.3 : 0.9297, 0.8808

poly, 1, 2, 0.5 : 0.9297, 0.8808

poly, 1, 2, 0.7 : 0.9297, 0.8808

poly, 1, 2, 0.9 : 0.9297, 0.8808

poly, 1, 3, 0.1 : 0.9393, 0.8723

poly, 1, 3, 0.3 : 0.9393, 0.8723

poly, 1, 3, 0.5 : 0.9393, 0.8723

poly, 1, 3, 0.7 : 0.9393, 0.8723

poly, 1, 3, 0.9 : 0.9393, 0.8723

poly, 1, 4, 0.1 : 0.9483, 0.8637

poly, 1, 4, 0.3 : 0.9483, 0.8637

poly, 1, 4, 0.5 : 0.9483, 0.8637

poly, 1, 4, 0.7 : 0.9483, 0.8637

poly, 1, 4, 0.9 : 0.9483, 0.8637

poly, 1, 5, 0.1 : 0.9488, 0.8402

poly, 1, 5, 0.3 : 0.9488, 0.8402

poly, 1, 5, 0.5 : 0.9488, 0.8402

poly, 1, 5, 0.7 : 0.9488, 0.8402

poly, 1, 5, 0.9 : 0.9488, 0.8402

poly, 1, 6, 0.1 : 0.9491, 0.8031

poly, 1, 6, 0.3 : 0.9491, 0.8031

poly, 1, 6, 0.5 : 0.9491, 0.8031

poly, 1, 6, 0.7 : 0.9491, 0.8031

poly, 1, 6, 0.9 : 0.9491, 0.8031

poly, 2, 1, 0.1 : 0.9110, 0.9018

poly, 2, 1, 0.3 : 0.9110, 0.9018

poly, 2, 1, 0.5 : 0.9110, 0.9018

poly, 2, 1, 0.7 : 0.9110, 0.9018

poly, 2, 1, 0.9 : 0.9110, 0.9018

poly, 2, 2, 0.1 : 0.9350, 0.8736

poly, 2, 2, 0.3 : 0.9350, 0.8736

poly, 2, 2, 0.5 : 0.9350, 0.8736

poly, 2, 2, 0.7 : 0.9350, 0.8736

poly, 2, 2, 0.9 : 0.9350, 0.8736

poly, 2, 3, 0.1 : 0.9467, 0.8667

poly, 2, 3, 0.3 : 0.9467, 0.8667

poly, 2, 3, 0.5 : 0.9467, 0.8667

poly, 2, 3, 0.7 : 0.9467, 0.8667

poly, 2, 3, 0.9 : 0.9467, 0.8667

poly, 2, 4, 0.1 : 0.9489, 0.8392

poly, 2, 4, 0.3 : 0.9489, 0.8392

poly, 2, 4, 0.5 : 0.9489, 0.8392

poly, 2, 4, 0.7 : 0.9489, 0.8392

poly, 2, 4, 0.9 : 0.9489, 0.8392

poly, 2, 5, 0.1 : 0.9480, 0.7853

poly, 2, 5, 0.3 : 0.9480, 0.7853

poly, 2, 5, 0.5 : 0.9480, 0.7853

poly, 2, 5, 0.7 : 0.9480, 0.7853

poly, 2, 5, 0.9 : 0.9480, 0.7853

poly, 2, 6, 0.1 : 0.9461, 0.7652

poly, 2, 6, 0.3 : 0.9461, 0.7652

poly, 2, 6, 0.5 : 0.9461, 0.7652

poly, 2, 6, 0.7 : 0.9461, 0.7652

poly, 2, 6, 0.9 : 0.9461, 0.7652

poly, 3, 1, 0.1 : 0.9182, 0.8900

poly, 3, 1, 0.3 : 0.9182, 0.8900

poly, 3, 1, 0.5 : 0.9182, 0.8900

poly, 3, 1, 0.7 : 0.9182, 0.8900

poly, 3, 1, 0.9 : 0.9182, 0.8900

poly, 3, 2, 0.1 : 0.9382, 0.8727

poly, 3, 2, 0.3 : 0.9382, 0.8727

poly, 3, 2, 0.5 : 0.9382, 0.8727

poly, 3, 2, 0.7 : 0.9382, 0.8727

poly, 3, 2, 0.9 : 0.9382, 0.8727

poly, 3, 3, 0.1 : 0.9496, 0.8577

poly, 3, 3, 0.3 : 0.9496, 0.8577

poly, 3, 3, 0.5 : 0.9496, 0.8577

poly, 3, 3, 0.7 : 0.9496, 0.8577

poly, 3, 3, 0.9 : 0.9496, 0.8577

poly, 3, 4, 0.1 : 0.9495, 0.8142

poly, 3, 4, 0.3 : 0.9495, 0.8142

poly, 3, 4, 0.5 : 0.9495, 0.8143

poly, 3, 4, 0.7 : 0.9495, 0.8143

poly, 3, 4, 0.9 : 0.9495, 0.8143

poly, 3, 5, 0.1 : 0.9461, 0.7652

poly, 3, 5, 0.3 : 0.9461, 0.7652

poly, 3, 5, 0.5 : 0.9461, 0.7652

poly, 3, 5, 0.7 : 0.9461, 0.7652

poly, 3, 5, 0.9 : 0.9461, 0.7652

poly, 3, 6, 0.1 : 0.9461, 0.7652

poly, 3, 6, 0.3 : 0.9461, 0.7652

poly, 3, 6, 0.5 : 0.9461, 0.7652

poly, 3, 6, 0.7 : 0.9461, 0.7652

poly, 3, 6, 0.9 : 0.9461, 0.7652

poly, 4, 1, 0.1 : 0.9215, 0.8878

poly, 4, 1, 0.3 : 0.9215, 0.8878

poly, 4, 1, 0.5 : 0.9215, 0.8878

poly, 4, 1, 0.7 : 0.9215, 0.8878

poly, 4, 1, 0.9 : 0.9215, 0.8878

poly, 4, 2, 0.1 : 0.9410, 0.8715

poly, 4, 2, 0.3 : 0.9410, 0.8715

poly, 4, 2, 0.5 : 0.9410, 0.8715

poly, 4, 2, 0.7 : 0.9410, 0.8715

poly, 4, 2, 0.9 : 0.9410, 0.8715

poly, 4, 3, 0.1 : 0.9482, 0.8455

poly, 4, 3, 0.3 : 0.9482, 0.8455

poly, 4, 3, 0.5 : 0.9482, 0.8455

poly, 4, 3, 0.7 : 0.9482, 0.8455

poly, 4, 3, 0.9 : 0.9482, 0.8455

poly, 4, 4, 0.1 : 0.9477, 0.7820

poly, 4, 4, 0.3 : 0.9477, 0.7820

poly, 4, 4, 0.5 : 0.9477, 0.7820

poly, 4, 4, 0.7 : 0.9477, 0.7820

poly, 4, 4, 0.9 : 0.9477, 0.7820

poly, 4, 5, 0.1 : 0.9461, 0.7652

poly, 4, 5, 0.3 : 0.9461, 0.7652

poly, 4, 5, 0.5 : 0.9461, 0.7652

poly, 4, 5, 0.7 : 0.9461, 0.7652

poly, 4, 5, 0.9 : 0.9461, 0.7652

poly, 4, 6, 0.1 : 0.9461, 0.7652

poly, 4, 6, 0.3 : 0.9461, 0.7652

poly, 4, 6, 0.5 : 0.9461, 0.7652

poly, 4, 6, 0.7 : 0.9461, 0.7652

poly, 4, 6, 0.9 : 0.9461, 0.7652

rbf, 1, 1, 0.1 : -0.1289, -0.2115

rbf, 1, 1, 0.3 : -0.1289, -0.2115

rbf, 1, 1, 0.5 : -0.1289, -0.2115

rbf, 1, 1, 0.7 : -0.1289, -0.2115

rbf, 1, 1, 0.9 : -0.1289, -0.2115

rbf, 1, 2, 0.1 : -0.1289, -0.2115

rbf, 1, 2, 0.3 : -0.1289, -0.2115

rbf, 1, 2, 0.5 : -0.1289, -0.2115

rbf, 1, 2, 0.7 : -0.1289, -0.2115

rbf, 1, 2, 0.9 : -0.1289, -0.2115

rbf, 1, 3, 0.1 : -0.1289, -0.2115

rbf, 1, 3, 0.3 : -0.1289, -0.2115

rbf, 1, 3, 0.5 : -0.1289, -0.2115

rbf, 1, 3, 0.7 : -0.1289, -0.2115

rbf, 1, 3, 0.9 : -0.1289, -0.2115

rbf, 1, 4, 0.1 : -0.1289, -0.2115

rbf, 1, 4, 0.3 : -0.1289, -0.2115

rbf, 1, 4, 0.5 : -0.1289, -0.2115

rbf, 1, 4, 0.7 : -0.1289, -0.2115

rbf, 1, 4, 0.9 : -0.1289, -0.2115

rbf, 1, 5, 0.1 : -0.1289, -0.2115

rbf, 1, 5, 0.3 : -0.1289, -0.2115

rbf, 1, 5, 0.5 : -0.1289, -0.2115

rbf, 1, 5, 0.7 : -0.1289, -0.2115

rbf, 1, 5, 0.9 : -0.1289, -0.2115

rbf, 1, 6, 0.1 : -0.1289, -0.2115

rbf, 1, 6, 0.3 : -0.1289, -0.2115

rbf, 1, 6, 0.5 : -0.1289, -0.2115

rbf, 1, 6, 0.7 : -0.1289, -0.2115

rbf, 1, 6, 0.9 : -0.1289, -0.2115

rbf, 2, 1, 0.1 : -0.1288, -0.2115

rbf, 2, 1, 0.3 : -0.1288, -0.2115

rbf, 2, 1, 0.5 : -0.1288, -0.2115

rbf, 2, 1, 0.7 : -0.1288, -0.2115

rbf, 2, 1, 0.9 : -0.1288, -0.2115

rbf, 2, 2, 0.1 : -0.1288, -0.2115

rbf, 2, 2, 0.3 : -0.1288, -0.2115

rbf, 2, 2, 0.5 : -0.1288, -0.2115

rbf, 2, 2, 0.7 : -0.1288, -0.2115

rbf, 2, 2, 0.9 : -0.1288, -0.2115

rbf, 2, 3, 0.1 : -0.1288, -0.2115

rbf, 2, 3, 0.3 : -0.1288, -0.2115

rbf, 2, 3, 0.5 : -0.1288, -0.2115

rbf, 2, 3, 0.7 : -0.1288, -0.2115

rbf, 2, 3, 0.9 : -0.1288, -0.2115

rbf, 2, 4, 0.1 : -0.1288, -0.2115

rbf, 2, 4, 0.3 : -0.1288, -0.2115

rbf, 2, 4, 0.5 : -0.1288, -0.2115

rbf, 2, 4, 0.7 : -0.1288, -0.2115

rbf, 2, 4, 0.9 : -0.1288, -0.2115

rbf, 2, 5, 0.1 : -0.1288, -0.2115

rbf, 2, 5, 0.3 : -0.1288, -0.2115

rbf, 2, 5, 0.5 : -0.1288, -0.2115

rbf, 2, 5, 0.7 : -0.1288, -0.2115

rbf, 2, 5, 0.9 : -0.1288, -0.2115

rbf, 2, 6, 0.1 : -0.1288, -0.2115

rbf, 2, 6, 0.3 : -0.1288, -0.2115

rbf, 2, 6, 0.5 : -0.1288, -0.2115

rbf, 2, 6, 0.7 : -0.1288, -0.2115

rbf, 2, 6, 0.9 : -0.1288, -0.2115

rbf, 3, 1, 0.1 : -0.1288, -0.2115

rbf, 3, 1, 0.3 : -0.1288, -0.2115

rbf, 3, 1, 0.5 : -0.1288, -0.2115

rbf, 3, 1, 0.7 : -0.1288, -0.2115

rbf, 3, 1, 0.9 : -0.1288, -0.2115

rbf, 3, 2, 0.1 : -0.1288, -0.2115

rbf, 3, 2, 0.3 : -0.1288, -0.2115

rbf, 3, 2, 0.5 : -0.1288, -0.2115

rbf, 3, 2, 0.7 : -0.1288, -0.2115

rbf, 3, 2, 0.9 : -0.1288, -0.2115

rbf, 3, 3, 0.1 : -0.1288, -0.2115

rbf, 3, 3, 0.3 : -0.1288, -0.2115

rbf, 3, 3, 0.5 : -0.1288, -0.2115

rbf, 3, 3, 0.7 : -0.1288, -0.2115

rbf, 3, 3, 0.9 : -0.1288, -0.2115

rbf, 3, 4, 0.1 : -0.1288, -0.2115

rbf, 3, 4, 0.3 : -0.1288, -0.2115

rbf, 3, 4, 0.5 : -0.1288, -0.2115

rbf, 3, 4, 0.7 : -0.1288, -0.2115

rbf, 3, 4, 0.9 : -0.1288, -0.2115

rbf, 3, 5, 0.1 : -0.1288, -0.2115

rbf, 3, 5, 0.3 : -0.1288, -0.2115

rbf, 3, 5, 0.5 : -0.1288, -0.2115

rbf, 3, 5, 0.7 : -0.1288, -0.2115

rbf, 3, 5, 0.9 : -0.1288, -0.2115

rbf, 3, 6, 0.1 : -0.1288, -0.2115

rbf, 3, 6, 0.3 : -0.1288, -0.2115

rbf, 3, 6, 0.5 : -0.1288, -0.2115

rbf, 3, 6, 0.7 : -0.1288, -0.2115

rbf, 3, 6, 0.9 : -0.1288, -0.2115

rbf, 4, 1, 0.1 : -0.1288, -0.2115

rbf, 4, 1, 0.3 : -0.1288, -0.2115

rbf, 4, 1, 0.5 : -0.1288, -0.2115

rbf, 4, 1, 0.7 : -0.1288, -0.2115

rbf, 4, 1, 0.9 : -0.1288, -0.2115

rbf, 4, 2, 0.1 : -0.1288, -0.2115

rbf, 4, 2, 0.3 : -0.1288, -0.2115

rbf, 4, 2, 0.5 : -0.1288, -0.2115

rbf, 4, 2, 0.7 : -0.1288, -0.2115

rbf, 4, 2, 0.9 : -0.1288, -0.2115

rbf, 4, 3, 0.1 : -0.1288, -0.2115

rbf, 4, 3, 0.3 : -0.1288, -0.2115

rbf, 4, 3, 0.5 : -0.1288, -0.2115

rbf, 4, 3, 0.7 : -0.1288, -0.2115

rbf, 4, 3, 0.9 : -0.1288, -0.2115

rbf, 4, 4, 0.1 : -0.1288, -0.2115

rbf, 4, 4, 0.3 : -0.1288, -0.2115

rbf, 4, 4, 0.5 : -0.1288, -0.2115

rbf, 4, 4, 0.7 : -0.1288, -0.2115

rbf, 4, 4, 0.9 : -0.1288, -0.2115

rbf, 4, 5, 0.1 : -0.1288, -0.2115

rbf, 4, 5, 0.3 : -0.1288, -0.2115

rbf, 4, 5, 0.5 : -0.1288, -0.2115

rbf, 4, 5, 0.7 : -0.1288, -0.2115

rbf, 4, 5, 0.9 : -0.1288, -0.2115

rbf, 4, 6, 0.1 : -0.1288, -0.2115

rbf, 4, 6, 0.3 : -0.1288, -0.2115

rbf, 4, 6, 0.5 : -0.1288, -0.2115

rbf, 4, 6, 0.7 : -0.1288, -0.2115

rbf, 4, 6, 0.9 : -0.1288, -0.2115

sigmoid, 1, 1, 0.1 : -0.1287, -0.2113

sigmoid, 1, 1, 0.3 : -0.1287, -0.2113

sigmoid, 1, 1, 0.5 : -0.1287, -0.2113

sigmoid, 1, 1, 0.7 : -0.1287, -0.2113

sigmoid, 1, 1, 0.9 : -0.1287, -0.2113

sigmoid, 1, 2, 0.1 : -0.1287, -0.2113

sigmoid, 1, 2, 0.3 : -0.1287, -0.2113

sigmoid, 1, 2, 0.5 : -0.1287, -0.2113

sigmoid, 1, 2, 0.7 : -0.1287, -0.2113

sigmoid, 1, 2, 0.9 : -0.1287, -0.2113

sigmoid, 1, 3, 0.1 : -0.1287, -0.2113

sigmoid, 1, 3, 0.3 : -0.1287, -0.2113

sigmoid, 1, 3, 0.5 : -0.1287, -0.2113

sigmoid, 1, 3, 0.7 : -0.1287, -0.2113

sigmoid, 1, 3, 0.9 : -0.1287, -0.2113

sigmoid, 1, 4, 0.1 : -0.1287, -0.2113

sigmoid, 1, 4, 0.3 : -0.1287, -0.2113

sigmoid, 1, 4, 0.5 : -0.1287, -0.2113

sigmoid, 1, 4, 0.7 : -0.1287, -0.2113

sigmoid, 1, 4, 0.9 : -0.1287, -0.2113

sigmoid, 1, 5, 0.1 : -0.1287, -0.2113

sigmoid, 1, 5, 0.3 : -0.1287, -0.2113

sigmoid, 1, 5, 0.5 : -0.1287, -0.2113

sigmoid, 1, 5, 0.7 : -0.1287, -0.2113

sigmoid, 1, 5, 0.9 : -0.1287, -0.2113

sigmoid, 1, 6, 0.1 : -0.1287, -0.2113

sigmoid, 1, 6, 0.3 : -0.1287, -0.2113

sigmoid, 1, 6, 0.5 : -0.1287, -0.2113

sigmoid, 1, 6, 0.7 : -0.1287, -0.2113

sigmoid, 1, 6, 0.9 : -0.1287, -0.2113

sigmoid, 2, 1, 0.1 : -0.1285, -0.2111

sigmoid, 2, 1, 0.3 : -0.1285, -0.2111

sigmoid, 2, 1, 0.5 : -0.1285, -0.2111

sigmoid, 2, 1, 0.7 : -0.1285, -0.2111

sigmoid, 2, 1, 0.9 : -0.1285, -0.2111

sigmoid, 2, 2, 0.1 : -0.1285, -0.2111

sigmoid, 2, 2, 0.3 : -0.1285, -0.2111

sigmoid, 2, 2, 0.5 : -0.1285, -0.2111

sigmoid, 2, 2, 0.7 : -0.1285, -0.2111

sigmoid, 2, 2, 0.9 : -0.1285, -0.2111

sigmoid, 2, 3, 0.1 : -0.1285, -0.2111

sigmoid, 2, 3, 0.3 : -0.1285, -0.2111

sigmoid, 2, 3, 0.5 : -0.1285, -0.2111

sigmoid, 2, 3, 0.7 : -0.1285, -0.2111

sigmoid, 2, 3, 0.9 : -0.1285, -0.2111

sigmoid, 2, 4, 0.1 : -0.1285, -0.2111

sigmoid, 2, 4, 0.3 : -0.1285, -0.2111

sigmoid, 2, 4, 0.5 : -0.1285, -0.2111

sigmoid, 2, 4, 0.7 : -0.1285, -0.2111

sigmoid, 2, 4, 0.9 : -0.1285, -0.2111

sigmoid, 2, 5, 0.1 : -0.1285, -0.2111

sigmoid, 2, 5, 0.3 : -0.1285, -0.2111

sigmoid, 2, 5, 0.5 : -0.1285, -0.2111

sigmoid, 2, 5, 0.7 : -0.1285, -0.2111

sigmoid, 2, 5, 0.9 : -0.1285, -0.2111

sigmoid, 2, 6, 0.1 : -0.1285, -0.2111

sigmoid, 2, 6, 0.3 : -0.1285, -0.2111

sigmoid, 2, 6, 0.5 : -0.1285, -0.2111

sigmoid, 2, 6, 0.7 : -0.1285, -0.2111

sigmoid, 2, 6, 0.9 : -0.1285, -0.2111

sigmoid, 3, 1, 0.1 : -0.1284, -0.2109

sigmoid, 3, 1, 0.3 : -0.1284, -0.2109

sigmoid, 3, 1, 0.5 : -0.1284, -0.2109

sigmoid, 3, 1, 0.7 : -0.1284, -0.2109

sigmoid, 3, 1, 0.9 : -0.1284, -0.2109

sigmoid, 3, 2, 0.1 : -0.1284, -0.2110

sigmoid, 3, 2, 0.3 : -0.1284, -0.2110

sigmoid, 3, 2, 0.5 : -0.1284, -0.2110

sigmoid, 3, 2, 0.7 : -0.1284, -0.2110

sigmoid, 3, 2, 0.9 : -0.1284, -0.2110

sigmoid, 3, 3, 0.1 : -0.1284, -0.2110

sigmoid, 3, 3, 0.3 : -0.1284, -0.2110

sigmoid, 3, 3, 0.5 : -0.1284, -0.2110

sigmoid, 3, 3, 0.7 : -0.1284, -0.2110

sigmoid, 3, 3, 0.9 : -0.1284, -0.2110

sigmoid, 3, 4, 0.1 : -0.1284, -0.2110

sigmoid, 3, 4, 0.3 : -0.1284, -0.2110

sigmoid, 3, 4, 0.5 : -0.1284, -0.2110

sigmoid, 3, 4, 0.7 : -0.1284, -0.2110

sigmoid, 3, 4, 0.9 : -0.1284, -0.2110

sigmoid, 3, 5, 0.1 : -0.1284, -0.2110

sigmoid, 3, 5, 0.3 : -0.1284, -0.2110

sigmoid, 3, 5, 0.5 : -0.1284, -0.2110

sigmoid, 3, 5, 0.7 : -0.1284, -0.2110

sigmoid, 3, 5, 0.9 : -0.1284, -0.2110

sigmoid, 3, 6, 0.1 : -0.1284, -0.2109

sigmoid, 3, 6, 0.3 : -0.1284, -0.2109

sigmoid, 3, 6, 0.5 : -0.1284, -0.2109

sigmoid, 3, 6, 0.7 : -0.1284, -0.2109

sigmoid, 3, 6, 0.9 : -0.1284, -0.2109

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sigmoid, 4, 1, 0.3 : -0.1282, -0.2108

sigmoid, 4, 1, 0.5 : -0.1282, -0.2108

sigmoid, 4, 1, 0.7 : -0.1282, -0.2108

sigmoid, 4, 1, 0.9 : -0.1282, -0.2108

sigmoid, 4, 2, 0.1 : -0.1282, -0.2108

sigmoid, 4, 2, 0.3 : -0.1282, -0.2108

sigmoid, 4, 2, 0.5 : -0.1282, -0.2108

sigmoid, 4, 2, 0.7 : -0.1282, -0.2108

sigmoid, 4, 2, 0.9 : -0.1282, -0.2108

sigmoid, 4, 3, 0.1 : -0.1282, -0.2108

sigmoid, 4, 3, 0.3 : -0.1282, -0.2108

sigmoid, 4, 3, 0.5 : -0.1282, -0.2108

sigmoid, 4, 3, 0.7 : -0.1282, -0.2108

sigmoid, 4, 3, 0.9 : -0.1282, -0.2108

sigmoid, 4, 4, 0.1 : -0.1282, -0.2108

sigmoid, 4, 4, 0.3 : -0.1282, -0.2108

sigmoid, 4, 4, 0.5 : -0.1282, -0.2108

sigmoid, 4, 4, 0.7 : -0.1282, -0.2108

sigmoid, 4, 4, 0.9 : -0.1282, -0.2108

sigmoid, 4, 5, 0.1 : -0.1282, -0.2108

sigmoid, 4, 5, 0.3 : -0.1282, -0.2108

sigmoid, 4, 5, 0.5 : -0.1282, -0.2108

sigmoid, 4, 5, 0.7 : -0.1282, -0.2108

sigmoid, 4, 5, 0.9 : -0.1282, -0.2108

sigmoid, 4, 6, 0.1 : -0.1282, -0.2108

sigmoid, 4, 6, 0.3 : -0.1282, -0.2108

sigmoid, 4, 6, 0.5 : -0.1282, -0.2108

sigmoid, 4, 6, 0.7 : -0.1282, -0.2108

sigmoid, 4, 6, 0.9 : -0.1282, -0.2108

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linear, 1, 1, 0.3 : -0.1246, -0.2068

linear, 1, 1, 0.5 : -0.1246, -0.2068

linear, 1, 1, 0.7 : -0.1246, -0.2068

linear, 1, 1, 0.9 : -0.1246, -0.2068

linear, 1, 2, 0.1 : -0.1246, -0.2068

linear, 1, 2, 0.3 : -0.1246, -0.2068

linear, 1, 2, 0.5 : -0.1246, -0.2068

linear, 1, 2, 0.7 : -0.1246, -0.2068

linear, 1, 2, 0.9 : -0.1246, -0.2068

linear, 1, 3, 0.1 : -0.1246, -0.2068

linear, 1, 3, 0.3 : -0.1246, -0.2068

linear, 1, 3, 0.5 : -0.1246, -0.2068

linear, 1, 3, 0.7 : -0.1246, -0.2068

linear, 1, 3, 0.9 : -0.1246, -0.2068

linear, 1, 4, 0.1 : -0.1246, -0.2068

linear, 1, 4, 0.3 : -0.1246, -0.2068

linear, 1, 4, 0.5 : -0.1246, -0.2068

linear, 1, 4, 0.7 : -0.1246, -0.2068

linear, 1, 4, 0.9 : -0.1246, -0.2068

linear, 1, 5, 0.1 : -0.1246, -0.2068

linear, 1, 5, 0.3 : -0.1246, -0.2068

linear, 1, 5, 0.5 : -0.1246, -0.2068

linear, 1, 5, 0.7 : -0.1246, -0.2068

linear, 1, 5, 0.9 : -0.1246, -0.2068

linear, 1, 6, 0.1 : -0.1246, -0.2068

linear, 1, 6, 0.3 : -0.1246, -0.2068

linear, 1, 6, 0.5 : -0.1246, -0.2068

linear, 1, 6, 0.7 : -0.1246, -0.2068

linear, 1, 6, 0.9 : -0.1246, -0.2068

linear, 2, 1, 0.1 : -0.1204, -0.2021

linear, 2, 1, 0.3 : -0.1204, -0.2021

linear, 2, 1, 0.5 : -0.1204, -0.2021

linear, 2, 1, 0.7 : -0.1204, -0.2021

linear, 2, 1, 0.9 : -0.1204, -0.2021

linear, 2, 2, 0.1 : -0.1204, -0.2021

linear, 2, 2, 0.3 : -0.1204, -0.2021

linear, 2, 2, 0.5 : -0.1204, -0.2021

linear, 2, 2, 0.7 : -0.1204, -0.2021

linear, 2, 2, 0.9 : -0.1204, -0.2021

linear, 2, 3, 0.1 : -0.1204, -0.2021

linear, 2, 3, 0.3 : -0.1204, -0.2021

linear, 2, 3, 0.5 : -0.1204, -0.2021

linear, 2, 3, 0.7 : -0.1204, -0.2021

linear, 2, 3, 0.9 : -0.1204, -0.2021

linear, 2, 4, 0.1 : -0.1204, -0.2021

linear, 2, 4, 0.3 : -0.1204, -0.2021

linear, 2, 4, 0.5 : -0.1204, -0.2021

linear, 2, 4, 0.7 : -0.1204, -0.2021

linear, 2, 4, 0.9 : -0.1204, -0.2021

linear, 2, 5, 0.1 : -0.1204, -0.2021

linear, 2, 5, 0.3 : -0.1204, -0.2021

linear, 2, 5, 0.5 : -0.1204, -0.2021

linear, 2, 5, 0.7 : -0.1204, -0.2021

linear, 2, 5, 0.9 : -0.1204, -0.2021

linear, 2, 6, 0.1 : -0.1204, -0.2021

linear, 2, 6, 0.3 : -0.1204, -0.2021

linear, 2, 6, 0.5 : -0.1204, -0.2021

linear, 2, 6, 0.7 : -0.1204, -0.2021

linear, 2, 6, 0.9 : -0.1204, -0.2021

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linear, 3, 1, 0.3 : -0.1194, -0.2014

linear, 3, 1, 0.5 : -0.1194, -0.2014

linear, 3, 1, 0.7 : -0.1194, -0.2014

linear, 3, 1, 0.9 : -0.1194, -0.2014

linear, 3, 2, 0.1 : -0.1194, -0.2014

linear, 3, 2, 0.3 : -0.1194, -0.2014

linear, 3, 2, 0.5 : -0.1194, -0.2014

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linear, 3, 2, 0.9 : -0.1194, -0.2014

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linear, 3, 3, 0.3 : -0.1194, -0.2014

linear, 3, 3, 0.5 : -0.1194, -0.2014

linear, 3, 3, 0.7 : -0.1194, -0.2014

linear, 3, 3, 0.9 : -0.1194, -0.2014

linear, 3, 4, 0.1 : -0.1194, -0.2014

linear, 3, 4, 0.3 : -0.1194, -0.2014

linear, 3, 4, 0.5 : -0.1194, -0.2014

linear, 3, 4, 0.7 : -0.1194, -0.2014

linear, 3, 4, 0.9 : -0.1194, -0.2014

linear, 3, 5, 0.1 : -0.1194, -0.2014

linear, 3, 5, 0.3 : -0.1194, -0.2014

linear, 3, 5, 0.5 : -0.1194, -0.2014

linear, 3, 5, 0.7 : -0.1194, -0.2014

linear, 3, 5, 0.9 : -0.1194, -0.2014

linear, 3, 6, 0.1 : -0.1194, -0.2014

linear, 3, 6, 0.3 : -0.1194, -0.2014

linear, 3, 6, 0.5 : -0.1194, -0.2014

linear, 3, 6, 0.7 : -0.1194, -0.2014

linear, 3, 6, 0.9 : -0.1194, -0.2014

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linear, 4, 1, 0.3 : -0.1185, -0.2007

linear, 4, 1, 0.5 : -0.1185, -0.2007

linear, 4, 1, 0.7 : -0.1185, -0.2007

linear, 4, 1, 0.9 : -0.1185, -0.2007

linear, 4, 2, 0.1 : -0.1185, -0.2007

linear, 4, 2, 0.3 : -0.1185, -0.2007

linear, 4, 2, 0.5 : -0.1185, -0.2007

linear, 4, 2, 0.7 : -0.1185, -0.2007

linear, 4, 2, 0.9 : -0.1185, -0.2007

linear, 4, 3, 0.1 : -0.1185, -0.2007

linear, 4, 3, 0.3 : -0.1185, -0.2007

linear, 4, 3, 0.5 : -0.1185, -0.2007

linear, 4, 3, 0.7 : -0.1185, -0.2007

linear, 4, 3, 0.9 : -0.1185, -0.2007

linear, 4, 4, 0.1 : -0.1185, -0.2007

linear, 4, 4, 0.3 : -0.1185, -0.2007

linear, 4, 4, 0.5 : -0.1185, -0.2007

linear, 4, 4, 0.7 : -0.1185, -0.2007

linear, 4, 4, 0.9 : -0.1185, -0.2007

linear, 4, 5, 0.1 : -0.1185, -0.2007

linear, 4, 5, 0.3 : -0.1185, -0.2007

linear, 4, 5, 0.5 : -0.1185, -0.2007

linear, 4, 5, 0.7 : -0.1185, -0.2007

linear, 4, 5, 0.9 : -0.1185, -0.2007

linear, 4, 6, 0.1 : -0.1185, -0.2007

linear, 4, 6, 0.3 : -0.1185, -0.2007

linear, 4, 6, 0.5 : -0.1185, -0.2007

linear, 4, 6, 0.7 : -0.1185, -0.2007

linear, 4, 6, 0.9 : -0.1185, -0.2007

Grid search of SVR, Topological

poly, 1, 1, 0.1 : 0.9995, 0.7495

poly, 1, 1, 0.3 : 0.9995, 0.7495

poly, 1, 1, 0.5 : 0.9995, 0.7495

poly, 1, 1, 0.7 : 0.9995, 0.7495

poly, 1, 1, 0.9 : 0.9995, 0.7495

poly, 1, 2, 0.1 : 0.9995, 0.7495

poly, 1, 2, 0.3 : 0.9995, 0.7495

poly, 1, 2, 0.5 : 0.9995, 0.7495

poly, 1, 2, 0.7 : 0.9995, 0.7495

poly, 1, 2, 0.9 : 0.9995, 0.7495

poly, 1, 3, 0.1 : 0.9995, 0.7495

poly, 1, 3, 0.3 : 0.9995, 0.7495

poly, 1, 3, 0.5 : 0.9995, 0.7495

poly, 1, 3, 0.7 : 0.9995, 0.7495

poly, 1, 3, 0.9 : 0.9995, 0.7495

poly, 1, 4, 0.1 : 0.9995, 0.7495

poly, 1, 4, 0.3 : 0.9995, 0.7495

poly, 1, 4, 0.5 : 0.9995, 0.7495

poly, 1, 4, 0.7 : 0.9995, 0.7495

poly, 1, 4, 0.9 : 0.9995, 0.7495

poly, 1, 5, 0.1 : 0.9995, 0.7495

poly, 1, 5, 0.3 : 0.9995, 0.7495

poly, 1, 5, 0.5 : 0.9995, 0.7495

poly, 1, 5, 0.7 : 0.9995, 0.7495

poly, 1, 5, 0.9 : 0.9995, 0.7495

poly, 1, 6, 0.1 : 0.9995, 0.7495

poly, 1, 6, 0.3 : 0.9995, 0.7495

poly, 1, 6, 0.5 : 0.9995, 0.7495

poly, 1, 6, 0.7 : 0.9995, 0.7495

poly, 1, 6, 0.9 : 0.9995, 0.7495

poly, 2, 1, 0.1 : 0.9995, 0.7495

poly, 2, 1, 0.3 : 0.9995, 0.7495

poly, 2, 1, 0.5 : 0.9995, 0.7495

poly, 2, 1, 0.7 : 0.9995, 0.7495

poly, 2, 1, 0.9 : 0.9995, 0.7495

poly, 2, 2, 0.1 : 0.9995, 0.7495

poly, 2, 2, 0.3 : 0.9995, 0.7495

poly, 2, 2, 0.5 : 0.9995, 0.7495

poly, 2, 2, 0.7 : 0.9995, 0.7495

poly, 2, 2, 0.9 : 0.9995, 0.7495

poly, 2, 3, 0.1 : 0.9995, 0.7495

poly, 2, 3, 0.3 : 0.9995, 0.7495

poly, 2, 3, 0.5 : 0.9995, 0.7495

poly, 2, 3, 0.7 : 0.9995, 0.7495

poly, 2, 3, 0.9 : 0.9995, 0.7495

poly, 2, 4, 0.1 : 0.9995, 0.7495

poly, 2, 4, 0.3 : 0.9995, 0.7495

poly, 2, 4, 0.5 : 0.9995, 0.7495

poly, 2, 4, 0.7 : 0.9995, 0.7495

poly, 2, 4, 0.9 : 0.9995, 0.7495

poly, 2, 5, 0.1 : 0.9995, 0.7495

poly, 2, 5, 0.3 : 0.9995, 0.7495

poly, 2, 5, 0.5 : 0.9995, 0.7495

poly, 2, 5, 0.7 : 0.9995, 0.7495

poly, 2, 5, 0.9 : 0.9995, 0.7495

poly, 2, 6, 0.1 : 0.9995, 0.7495

poly, 2, 6, 0.3 : 0.9995, 0.7495

poly, 2, 6, 0.5 : 0.9995, 0.7495

poly, 2, 6, 0.7 : 0.9995, 0.7495

poly, 2, 6, 0.9 : 0.9995, 0.7495

poly, 3, 1, 0.1 : 0.9995, 0.7495

poly, 3, 1, 0.3 : 0.9995, 0.7495

poly, 3, 1, 0.5 : 0.9995, 0.7495

poly, 3, 1, 0.7 : 0.9995, 0.7495

poly, 3, 1, 0.9 : 0.9995, 0.7495

poly, 3, 2, 0.1 : 0.9995, 0.7495

poly, 3, 2, 0.3 : 0.9995, 0.7495

poly, 3, 2, 0.5 : 0.9995, 0.7495

poly, 3, 2, 0.7 : 0.9995, 0.7495

poly, 3, 2, 0.9 : 0.9995, 0.7495

poly, 3, 3, 0.1 : 0.9995, 0.7495

poly, 3, 3, 0.3 : 0.9995, 0.7495

poly, 3, 3, 0.5 : 0.9995, 0.7495

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poly, 3, 3, 0.9 : 0.9995, 0.7495

poly, 3, 4, 0.1 : 0.9995, 0.7495

poly, 3, 4, 0.3 : 0.9995, 0.7495

poly, 3, 4, 0.5 : 0.9995, 0.7495

poly, 3, 4, 0.7 : 0.9995, 0.7495

poly, 3, 4, 0.9 : 0.9995, 0.7495

poly, 3, 5, 0.1 : 0.9995, 0.7495

poly, 3, 5, 0.3 : 0.9995, 0.7495

poly, 3, 5, 0.5 : 0.9995, 0.7495

poly, 3, 5, 0.7 : 0.9995, 0.7495

poly, 3, 5, 0.9 : 0.9995, 0.7495

poly, 3, 6, 0.1 : 0.9995, 0.7495

poly, 3, 6, 0.3 : 0.9995, 0.7495

poly, 3, 6, 0.5 : 0.9995, 0.7495

poly, 3, 6, 0.7 : 0.9995, 0.7495

poly, 3, 6, 0.9 : 0.9995, 0.7495

poly, 4, 1, 0.1 : 0.9995, 0.7495

poly, 4, 1, 0.3 : 0.9995, 0.7495

poly, 4, 1, 0.5 : 0.9995, 0.7495

poly, 4, 1, 0.7 : 0.9995, 0.7495

poly, 4, 1, 0.9 : 0.9995, 0.7495

poly, 4, 2, 0.1 : 0.9995, 0.7495

poly, 4, 2, 0.3 : 0.9995, 0.7495

poly, 4, 2, 0.5 : 0.9995, 0.7495

poly, 4, 2, 0.7 : 0.9995, 0.7495

poly, 4, 2, 0.9 : 0.9995, 0.7495

poly, 4, 3, 0.1 : 0.9995, 0.7495

poly, 4, 3, 0.3 : 0.9995, 0.7495

poly, 4, 3, 0.5 : 0.9995, 0.7495

poly, 4, 3, 0.7 : 0.9995, 0.7495

poly, 4, 3, 0.9 : 0.9995, 0.7495

poly, 4, 4, 0.1 : 0.9995, 0.7495

poly, 4, 4, 0.3 : 0.9995, 0.7495

poly, 4, 4, 0.5 : 0.9995, 0.7495

poly, 4, 4, 0.7 : 0.9995, 0.7495

poly, 4, 4, 0.9 : 0.9995, 0.7495

poly, 4, 5, 0.1 : 0.9995, 0.7495

poly, 4, 5, 0.3 : 0.9995, 0.7495

poly, 4, 5, 0.5 : 0.9995, 0.7495

poly, 4, 5, 0.7 : 0.9995, 0.7495

poly, 4, 5, 0.9 : 0.9995, 0.7495

poly, 4, 6, 0.1 : 0.9995, 0.7495

poly, 4, 6, 0.3 : 0.9995, 0.7495

poly, 4, 6, 0.5 : 0.9995, 0.7495

poly, 4, 6, 0.7 : 0.9995, 0.7495

poly, 4, 6, 0.9 : 0.9995, 0.7495

rbf, 1, 1, 0.1 : -0.0502, -0.0330

rbf, 1, 1, 0.3 : -0.0502, -0.0330

rbf, 1, 1, 0.5 : -0.0502, -0.0330

rbf, 1, 1, 0.7 : -0.0502, -0.0330

rbf, 1, 1, 0.9 : -0.0502, -0.0330

rbf, 1, 2, 0.1 : -0.0502, -0.0330

rbf, 1, 2, 0.3 : -0.0502, -0.0330

rbf, 1, 2, 0.5 : -0.0502, -0.0330

rbf, 1, 2, 0.7 : -0.0502, -0.0330

rbf, 1, 2, 0.9 : -0.0502, -0.0330

rbf, 1, 3, 0.1 : -0.0502, -0.0330

rbf, 1, 3, 0.3 : -0.0502, -0.0330

rbf, 1, 3, 0.5 : -0.0502, -0.0330

rbf, 1, 3, 0.7 : -0.0502, -0.0330

rbf, 1, 3, 0.9 : -0.0502, -0.0330

rbf, 1, 4, 0.1 : -0.0502, -0.0330

rbf, 1, 4, 0.3 : -0.0502, -0.0330

rbf, 1, 4, 0.5 : -0.0502, -0.0330

rbf, 1, 4, 0.7 : -0.0502, -0.0330

rbf, 1, 4, 0.9 : -0.0502, -0.0330

rbf, 1, 5, 0.1 : -0.0502, -0.0330

rbf, 1, 5, 0.3 : -0.0502, -0.0330

rbf, 1, 5, 0.5 : -0.0502, -0.0330

rbf, 1, 5, 0.7 : -0.0502, -0.0330

rbf, 1, 5, 0.9 : -0.0502, -0.0330

rbf, 1, 6, 0.1 : -0.0502, -0.0330

rbf, 1, 6, 0.3 : -0.0502, -0.0330

rbf, 1, 6, 0.5 : -0.0502, -0.0330

rbf, 1, 6, 0.7 : -0.0502, -0.0330

rbf, 1, 6, 0.9 : -0.0502, -0.0330

rbf, 2, 1, 0.1 : -0.0502, -0.0330

rbf, 2, 1, 0.3 : -0.0502, -0.0330

rbf, 2, 1, 0.5 : -0.0502, -0.0330

rbf, 2, 1, 0.7 : -0.0502, -0.0330

rbf, 2, 1, 0.9 : -0.0502, -0.0330

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rbf, 2, 2, 0.3 : -0.0502, -0.0330

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rbf, 2, 3, 0.5 : -0.0502, -0.0330

rbf, 2, 3, 0.7 : -0.0502, -0.0330

rbf, 2, 3, 0.9 : -0.0502, -0.0330

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rbf, 2, 4, 0.3 : -0.0502, -0.0330

rbf, 2, 4, 0.5 : -0.0502, -0.0330

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rbf, 2, 5, 0.1 : -0.0502, -0.0330

rbf, 2, 5, 0.3 : -0.0502, -0.0330

rbf, 2, 5, 0.5 : -0.0502, -0.0330

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rbf, 2, 5, 0.9 : -0.0502, -0.0330

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rbf, 2, 6, 0.3 : -0.0502, -0.0330

rbf, 2, 6, 0.5 : -0.0502, -0.0330

rbf, 2, 6, 0.7 : -0.0502, -0.0330

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rbf, 3, 1, 0.1 : -0.0502, -0.0330

rbf, 3, 1, 0.3 : -0.0502, -0.0330

rbf, 3, 1, 0.5 : -0.0502, -0.0330

rbf, 3, 1, 0.7 : -0.0502, -0.0330

rbf, 3, 1, 0.9 : -0.0502, -0.0330

rbf, 3, 2, 0.1 : -0.0502, -0.0330

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rbf, 3, 2, 0.5 : -0.0502, -0.0330

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rbf, 3, 3, 0.3 : -0.0502, -0.0330

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rbf, 4, 1, 0.3 : -0.0502, -0.0330

rbf, 4, 1, 0.5 : -0.0502, -0.0330

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rbf, 4, 2, 0.3 : -0.0502, -0.0330

rbf, 4, 2, 0.5 : -0.0502, -0.0330

rbf, 4, 2, 0.7 : -0.0502, -0.0330

rbf, 4, 2, 0.9 : -0.0502, -0.0330

rbf, 4, 3, 0.1 : -0.0502, -0.0330

rbf, 4, 3, 0.3 : -0.0502, -0.0330

rbf, 4, 3, 0.5 : -0.0502, -0.0330

rbf, 4, 3, 0.7 : -0.0502, -0.0330

rbf, 4, 3, 0.9 : -0.0502, -0.0330

rbf, 4, 4, 0.1 : -0.0502, -0.0330

rbf, 4, 4, 0.3 : -0.0502, -0.0330

rbf, 4, 4, 0.5 : -0.0502, -0.0330

rbf, 4, 4, 0.7 : -0.0502, -0.0330

rbf, 4, 4, 0.9 : -0.0502, -0.0330

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rbf, 4, 5, 0.3 : -0.0502, -0.0330

rbf, 4, 5, 0.5 : -0.0502, -0.0330

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rbf, 4, 5, 0.9 : -0.0502, -0.0330

rbf, 4, 6, 0.1 : -0.0502, -0.0330

rbf, 4, 6, 0.3 : -0.0502, -0.0330

rbf, 4, 6, 0.5 : -0.0502, -0.0330

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sigmoid, 1, 3, 0.3 : -0.0502, -0.0329

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sigmoid, 1, 4, 0.3 : -0.0502, -0.0329

sigmoid, 1, 4, 0.5 : -0.0502, -0.0329

sigmoid, 1, 4, 0.7 : -0.0502, -0.0329

sigmoid, 1, 4, 0.9 : -0.0502, -0.0329

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sigmoid, 1, 5, 0.3 : -0.0502, -0.0329

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sigmoid, 2, 1, 0.3 : -0.0502, -0.0328

sigmoid, 2, 1, 0.5 : -0.0502, -0.0328

sigmoid, 2, 1, 0.7 : -0.0502, -0.0328

sigmoid, 2, 1, 0.9 : -0.0502, -0.0328

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sigmoid, 2, 2, 0.3 : -0.0502, -0.0328

sigmoid, 2, 2, 0.5 : -0.0502, -0.0328

sigmoid, 2, 2, 0.7 : -0.0502, -0.0328

sigmoid, 2, 2, 0.9 : -0.0502, -0.0328

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sigmoid, 2, 3, 0.3 : -0.0502, -0.0328

sigmoid, 2, 3, 0.5 : -0.0502, -0.0328

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