**Number of Edges: E**

For graph size n=10

Average Computing Time for 10 Calculations of Prim's: 50250

Average Computing Time for 10 Calculations of Kruskal's: 3512399

For graph size n=20

Average Computing Time for 10 Calculations of Prim's: 145156

Average Computing Time for 10 Calculations of Kruskal's: 435264

For graph size n=30

Average Computing Time for 10 Calculations of Prim's: 313359

Average Computing Time for 10 Calculations of Kruskal's: 813503

For graph size n=40

Average Computing Time for 10 Calculations of Prim's: 433005

Average Computing Time for 10 Calculations of Kruskal's: 858261

For graph size n=50

Average Computing Time for 10 Calculations of Prim's: 341539

Average Computing Time for 10 Calculations of Kruskal's: 1452181

For graph size n=60

Average Computing Time for 10 Calculations of Prim's: 539204

Average Computing Time for 10 Calculations of Kruskal's: 1608271

For graph size n=70

Average Computing Time for 10 Calculations of Prim's: 1544418

Average Computing Time for 10 Calculations of Kruskal's: 2982741

For graph size n=80

Average Computing Time for 10 Calculations of Prim's: 1825852

Average Computing Time for 10 Calculations of Kruskal's: 5316282

For graph size n=90

Average Computing Time for 10 Calculations of Prim's: 592329

Average Computing Time for 10 Calculations of Kruskal's: 2264812

For graph size n=100

Average Computing Time for 10 Calculations of Prim's: 754218

Average Computing Time for 10 Calculations of Kruskal's: 2706390

For graph size n=200

Average Computing Time for 10 Calculations of Prim's: 3253499

Average Computing Time for 10 Calculations of Kruskal's: 12511080

For graph size n=300

Average Computing Time for 10 Calculations of Prim's: 6433854

Average Computing Time for 10 Calculations of Kruskal's: 30598576

For graph size n=400

Average Computing Time for 10 Calculations of Prim's: 13102793

Average Computing Time for 10 Calculations of Kruskal's: 63207118

For graph size n=500

Average Computing Time for 10 Calculations of Prim's: 21575359

Average Computing Time for 10 Calculations of Kruskal's: 127227124

For graph size n=600

Average Computing Time for 10 Calculations of Prim's: 28764100

Average Computing Time for 10 Calculations of Kruskal's: 187792732

For graph size n=700

Average Computing Time for 10 Calculations of Prim's: 39542746

Average Computing Time for 10 Calculations of Kruskal's: 292242335

For graph size n=800

Average Computing Time for 10 Calculations of Prim's: 54220345

Average Computing Time for 10 Calculations of Kruskal's: 401944009

For graph size n=900

Average Computing Time for 10 Calculations of Prim's: 62817844

Average Computing Time for 10 Calculations of Kruskal's: 511449456

For graph size n=1000

Average Computing Time for 10 Calculations of Prim's: 80580636

Average Computing Time for 10 Calculations of Kruskal's: 667910592

**Number of Edges: 0.8E**

For graph size n=10

Average Computing Time for 10 Calculations of Prim's: 41473

Average Computing Time for 10 Calculations of Kruskal's: 3771402

For graph size n=20

Average Computing Time for 10 Calculations of Prim's: 148492

Average Computing Time for 10 Calculations of Kruskal's: 437574

For graph size n=30

Average Computing Time for 10 Calculations of Prim's: 367767

Average Computing Time for 10 Calculations of Kruskal's: 731993

For graph size n=40

Average Computing Time for 10 Calculations of Prim's: 531197

Average Computing Time for 10 Calculations of Kruskal's: 970927

For graph size n=50

Average Computing Time for 10 Calculations of Prim's: 380548

Average Computing Time for 10 Calculations of Kruskal's: 1458546

For graph size n=60

Average Computing Time for 10 Calculations of Prim's: 638268

Average Computing Time for 10 Calculations of Kruskal's: 2001651

For graph size n=70

Average Computing Time for 10 Calculations of Prim's: 1530098

Average Computing Time for 10 Calculations of Kruskal's: 2869716

For graph size n=80

Average Computing Time for 10 Calculations of Prim's: 2287961

Average Computing Time for 10 Calculations of Kruskal's: 5035568

For graph size n=90

Average Computing Time for 10 Calculations of Prim's: 1075226

Average Computing Time for 10 Calculations of Kruskal's: 2607942

For graph size n=100

Average Computing Time for 10 Calculations of Prim's: 1138052

Average Computing Time for 10 Calculations of Kruskal's: 2833889

For graph size n=200

Average Computing Time for 10 Calculations of Prim's: 3272849

Average Computing Time for 10 Calculations of Kruskal's: 11260260

For graph size n=300

Average Computing Time for 10 Calculations of Prim's: 6668630

Average Computing Time for 10 Calculations of Kruskal's: 25695845

For graph size n=400

Average Computing Time for 10 Calculations of Prim's: 12594334

Average Computing Time for 10 Calculations of Kruskal's: 49394453

For graph size n=500

Average Computing Time for 10 Calculations of Prim's: 20157259

Average Computing Time for 10 Calculations of Kruskal's: 91380070

For graph size n=600

Average Computing Time for 10 Calculations of Prim's: 28079893

Average Computing Time for 10 Calculations of Kruskal's: 142132621

For graph size n=700

Average Computing Time for 10 Calculations of Prim's: 39778754

Average Computing Time for 10 Calculations of Kruskal's: 231620728

For graph size n=800

Average Computing Time for 10 Calculations of Prim's: 48771532

Average Computing Time for 10 Calculations of Kruskal's: 318972242

For graph size n=900

Average Computing Time for 10 Calculations of Prim's: 63414639

Average Computing Time for 10 Calculations of Kruskal's: 415382491

For graph size n=1000

Average Computing Time for 10 Calculations of Prim's: 75645056

Average Computing Time for 10 Calculations of Kruskal's: 545205290

**Number of Edges: 0.6E**

For graph size n=10

Average Computing Time for 10 Calculations of Prim's: 45528

Average Computing Time for 10 Calculations of Kruskal's: 3975175

For graph size n=20

Average Computing Time for 10 Calculations of Prim's: 178674

Average Computing Time for 10 Calculations of Kruskal's: 447942

For graph size n=30

Average Computing Time for 10 Calculations of Prim's: 343438

Average Computing Time for 10 Calculations of Kruskal's: 725629

For graph size n=40

Average Computing Time for 10 Calculations of Prim's: 794665

Average Computing Time for 10 Calculations of Kruskal's: 896808

For graph size n=50

Average Computing Time for 10 Calculations of Prim's: 420019

Average Computing Time for 10 Calculations of Kruskal's: 1518960

For graph size n=60

Average Computing Time for 10 Calculations of Prim's: 620354

Average Computing Time for 10 Calculations of Kruskal's: 2142291

For graph size n=70

Average Computing Time for 10 Calculations of Prim's: 1725864

Average Computing Time for 10 Calculations of Kruskal's: 5101011

For graph size n=80

Average Computing Time for 10 Calculations of Prim's: 2169546

Average Computing Time for 10 Calculations of Kruskal's: 4733192

For graph size n=90

Average Computing Time for 10 Calculations of Prim's: 835830

Average Computing Time for 10 Calculations of Kruskal's: 2307209

For graph size n=100

Average Computing Time for 10 Calculations of Prim's: 1002494

Average Computing Time for 10 Calculations of Kruskal's: 2846670

For graph size n=200

Average Computing Time for 10 Calculations of Prim's: 4141376

Average Computing Time for 10 Calculations of Kruskal's: 12131712

For graph size n=300

Average Computing Time for 10 Calculations of Prim's: 8784693

Average Computing Time for 10 Calculations of Kruskal's: 28605701

For graph size n=400

Average Computing Time for 10 Calculations of Prim's: 15801433

Average Computing Time for 10 Calculations of Kruskal's: 57033447

For graph size n=500

Average Computing Time for 10 Calculations of Prim's: 20331981

Average Computing Time for 10 Calculations of Kruskal's: 70313734

For graph size n=600

Average Computing Time for 10 Calculations of Prim's: 29301251

Average Computing Time for 10 Calculations of Kruskal's: 112808220

For graph size n=700

Average Computing Time for 10 Calculations of Prim's: 37146071

Average Computing Time for 10 Calculations of Kruskal's: 155426048

For graph size n=800

Average Computing Time for 10 Calculations of Prim's: 48345610

Average Computing Time for 10 Calculations of Kruskal's: 230715553

For graph size n=900

Average Computing Time for 10 Calculations of Prim's: 60768406

Average Computing Time for 10 Calculations of Kruskal's: 305046500

For graph size n=1000

Average Computing Time for 10 Calculations of Prim's: 73718138

Average Computing Time for 10 Calculations of Kruskal's: 397603478

**Number of Edges: 0.4E**

For graph size n=10

Average Computing Time for 10 Calculations of Prim's: 78481

Average Computing Time for 10 Calculations of Kruskal's: 3812875

For graph size n=20

Average Computing Time for 10 Calculations of Prim's: 247813

Average Computing Time for 10 Calculations of Kruskal's: 451946

For graph size n=30

Average Computing Time for 10 Calculations of Prim's: 303658

Average Computing Time for 10 Calculations of Kruskal's: 575545

For graph size n=40

Average Computing Time for 10 Calculations of Prim's: 471142

Average Computing Time for 10 Calculations of Kruskal's: 674814

For graph size n=50

Average Computing Time for 10 Calculations of Prim's: 354781

Average Computing Time for 10 Calculations of Kruskal's: 884592

For graph size n=60

Average Computing Time for 10 Calculations of Prim's: 572311

Average Computing Time for 10 Calculations of Kruskal's: 1233984

For graph size n=70

Average Computing Time for 10 Calculations of Prim's: 1976500

Average Computing Time for 10 Calculations of Kruskal's: 2025211

For graph size n=80

Average Computing Time for 10 Calculations of Prim's: 2123248

Average Computing Time for 10 Calculations of Kruskal's: 3239178

For graph size n=90

Average Computing Time for 10 Calculations of Prim's: 647301

Average Computing Time for 10 Calculations of Kruskal's: 1431290

For graph size n=100

Average Computing Time for 10 Calculations of Prim's: 680049

Average Computing Time for 10 Calculations of Kruskal's: 1457006

For graph size n=200

Average Computing Time for 10 Calculations of Prim's: 3212282

Average Computing Time for 10 Calculations of Kruskal's: 6890369

For graph size n=300

Average Computing Time for 10 Calculations of Prim's: 6316928

Average Computing Time for 10 Calculations of Kruskal's: 15229224

For graph size n=400

Average Computing Time for 10 Calculations of Prim's: 11625050

Average Computing Time for 10 Calculations of Kruskal's: 27460052

For graph size n=500

Average Computing Time for 10 Calculations of Prim's: 17545724

Average Computing Time for 10 Calculations of Kruskal's: 45018147

For graph size n=600

Average Computing Time for 10 Calculations of Prim's: 25274183

Average Computing Time for 10 Calculations of Kruskal's: 67422921

For graph size n=700

Average Computing Time for 10 Calculations of Prim's: 35480107

Average Computing Time for 10 Calculations of Kruskal's: 99282737

For graph size n=800

Average Computing Time for 10 Calculations of Prim's: 47620135

Average Computing Time for 10 Calculations of Kruskal's: 145943391

For graph size n=900

Average Computing Time for 10 Calculations of Prim's: 58958517

Average Computing Time for 10 Calculations of Kruskal's: 199420041

For graph size n=1000

Average Computing Time for 10 Calculations of Prim's: 70839490

Average Computing Time for 10 Calculations of Kruskal's: 267014655

**Number of Edges: 0.2E**

For graph size n=10

Average Computing Time for 10 Calculations of Prim's: 49018

Average Computing Time for 10 Calculations of Kruskal's: 4115609

For graph size n=20

Average Computing Time for 10 Calculations of Prim's: 120313

Average Computing Time for 10 Calculations of Kruskal's: 207879

For graph size n=30

Average Computing Time for 10 Calculations of Prim's: 210857

Average Computing Time for 10 Calculations of Kruskal's: 358990

For graph size n=40

Average Computing Time for 10 Calculations of Prim's: 467755

Average Computing Time for 10 Calculations of Kruskal's: 693754

For graph size n=50

Average Computing Time for 10 Calculations of Prim's: 473401

Average Computing Time for 10 Calculations of Kruskal's: 861649

For graph size n=60

Average Computing Time for 10 Calculations of Prim's: 404210

Average Computing Time for 10 Calculations of Kruskal's: 817763

For graph size n=70

Average Computing Time for 10 Calculations of Prim's: 838397

Average Computing Time for 10 Calculations of Kruskal's: 1473483

For graph size n=80

Average Computing Time for 10 Calculations of Prim's: 1350140

Average Computing Time for 10 Calculations of Kruskal's: 2940293

For graph size n=90

Average Computing Time for 10 Calculations of Prim's: 1570083

Average Computing Time for 10 Calculations of Kruskal's: 3220443

For graph size n=100

Average Computing Time for 10 Calculations of Prim's: 3066099

Average Computing Time for 10 Calculations of Kruskal's: 2115908

For graph size n=200

Average Computing Time for 10 Calculations of Prim's: 2901899

Average Computing Time for 10 Calculations of Kruskal's: 4751465

For graph size n=300

Average Computing Time for 10 Calculations of Prim's: 6473480

Average Computing Time for 10 Calculations of Kruskal's: 11379855

For graph size n=400

Average Computing Time for 10 Calculations of Prim's: 11616837

Average Computing Time for 10 Calculations of Kruskal's: 20207818

For graph size n=500

Average Computing Time for 10 Calculations of Prim's: 18521168

Average Computing Time for 10 Calculations of Kruskal's: 27627536

For graph size n=600

Average Computing Time for 10 Calculations of Prim's: 26796941

Average Computing Time for 10 Calculations of Kruskal's: 41135260

For graph size n=700

Average Computing Time for 10 Calculations of Prim's: 34637655

Average Computing Time for 10 Calculations of Kruskal's: 66892494

For graph size n=800

Average Computing Time for 10 Calculations of Prim's: 43540455

Average Computing Time for 10 Calculations of Kruskal's: 82284584

For graph size n=900

Average Computing Time for 10 Calculations of Prim's: 65850631

Average Computing Time for 10 Calculations of Kruskal's: 110049372

For graph size n=1000

Average Computing Time for 10 Calculations of Prim's: 71322901

Average Computing Time for 10 Calculations of Kruskal's: 131963807