Static Always Taken:

-----------------------------------------------------

trace 1

Success: 1359208

Total: 1546797

Accuracy: 0.878724

Clock ticks: 108775

Time: 0.108775

-----------------------------------------------------

trace 2

Success: 1396314

Total: 2422049

Accuracy: 0.576501

Clock ticks: 180685

Time: 0.180685

-----------------------------------------------------

trace 3

Success: 2107011

Total: 3771697

Accuracy: 0.558637

Clock ticks: 286046

Time: 0.286046

-----------------------------------------------------

trace 4

Success: 3548466

Total: 3755315

Accuracy: 0.944918

Clock ticks: 297354

Time: 0.297354

-----------------------------------------------------

trace 5

Success: 1496771

Total: 3014850

Accuracy: 0.496466

Clock ticks: 238310

Time: 0.238310

-----------------------------------------------------

trace 6

Success: 1614101

Total: 2563897

Accuracy: 0.629550

Clock ticks: 221160

Time: 0.221160

-----------------------------------------------------

trace 7

Success: 629367

Total: 1614292

Accuracy: 0.389872

Clock ticks: 140874

Time: 0.140874

-----------------------------------------------------

trace 8

Success: 543422

Total: 1625310

Accuracy: 0.334350

Clock ticks: 145934

Time: 0.145934

-----------------------------------------------------

trace 9

Success: 634631

Total: 1643205

Accuracy: 0.386215

Clock ticks: 144418

Time: 0.144418

-----------------------------------------------------

trace 10

Success: 619405

Total: 1647830

Accuracy: 0.375891

Clock ticks: 142547

Time: 0.142547

-----------------------------------------------------

trace 11

Success: 611654

Total: 1647830

Accuracy: 0.371188

Clock ticks: 133355

Time: 0.133355

-----------------------------------------------------

trace 12

Success: 644639

Total: 1647816

Accuracy: 0.391208

Clock ticks: 133212

Time: 0.133212

-----------------------------------------------------

trace 13

Success: 635901

Total: 1646525

Accuracy: 0.386208

Clock ticks: 129091

Time: 0.129091

-----------------------------------------------------

trace 14

Success: 630356

Total: 1647811

Accuracy: 0.382541

Clock ticks: 132184

Time: 0.132184

-----------------------------------------------------

trace 15

Success: 623895

Total: 1647827

Accuracy: 0.378617

Clock ticks: 132673

Time: 0.132673

-----------------------------------------------------

trace 16

Success: 638325

Total: 1647833

Accuracy: 0.387372

Clock ticks: 133700

Time: 0.133700

Mean: 0.491766125

StdDev: 0.18563334376879423

Static Always Not Taken:

-----------------------------------------------------

trace 1

Success: 187589

Total: 1546797

Accuracy: 0.121276

Clock ticks: 108744

Time: 0.108744

-----------------------------------------------------

trace 2

Success: 1025735

Total: 2422049

Accuracy: 0.423499

Clock ticks: 179798

Time: 0.179798

-----------------------------------------------------

trace 3

Success: 1664686

Total: 3771697

Accuracy: 0.441363

Clock ticks: 283273

Time: 0.283273

-----------------------------------------------------

trace 4

Success: 206849

Total: 3755315

Accuracy: 0.055082

Clock ticks: 277427

Time: 0.277427

-----------------------------------------------------

trace 5

Success: 1518079

Total: 3014850

Accuracy: 0.503534

Clock ticks: 230171

Time: 0.230171

-----------------------------------------------------

trace 6

Success: 949796

Total: 2563897

Accuracy: 0.370450

Clock ticks: 210421

Time: 0.210421

-----------------------------------------------------

trace 7

Success: 984925

Total: 1614292

Accuracy: 0.610128

Clock ticks: 141612

Time: 0.141612

-----------------------------------------------------

trace 8

Success: 1081888

Total: 1625310

Accuracy: 0.665650

Clock ticks: 141013

Time: 0.141013

-----------------------------------------------------

trace 9

Success: 1008574

Total: 1643205

Accuracy: 0.613785

Clock ticks: 139265

Time: 0.139265

-----------------------------------------------------

trace 10

Success: 1028425

Total: 1647830

Accuracy: 0.624109

Clock ticks: 142873

Time: 0.142873

-----------------------------------------------------

trace 11

Success: 1036176

Total: 1647830

Accuracy: 0.628812

Clock ticks: 137474

Time: 0.137474

-----------------------------------------------------

trace 12

Success: 1003177

Total: 1647816

Accuracy: 0.608792

Clock ticks: 130766

Time: 0.130766

-----------------------------------------------------

trace 13

Success: 1010624

Total: 1646525

Accuracy: 0.613792

Clock ticks: 127409

Time: 0.127409

-----------------------------------------------------

trace 14

Success: 1017455

Total: 1647811

Accuracy: 0.617459

Clock ticks: 130936

Time: 0.130936

-----------------------------------------------------

trace 15

Success: 1023932

Total: 1647827

Accuracy: 0.621383

Clock ticks: 132528

Time: 0.132528

-----------------------------------------------------

trace 16

Success: 1009508

Total: 1647833

Accuracy: 0.612628

Clock ticks: 131804

Time: 0.131804

Mean: 0.5082338750000001

StdDev: 0.18563334376879423

Dynamic Last Taken

-----------------------------------------------------

trace 1

Success: 1506072

Total: 1546797

Accuracy: 0.973671

Clock ticks: 173086

Time: 0.173086

-----------------------------------------------------

trace 2

Success: 1490283

Total: 2422049

Accuracy: 0.615298

Clock ticks: 226885

Time: 0.226885

-----------------------------------------------------

trace 3

Success: 2811302

Total: 3771697

Accuracy: 0.745368

Clock ticks: 954566

Time: 0.954566

-----------------------------------------------------

trace 4

Success: 3717718

Total: 3755315

Accuracy: 0.989988

Clock ticks: 562461

Time: 0.562461

-----------------------------------------------------

trace 5

Success: 2591530

Total: 3014850

Accuracy: 0.859588

Clock ticks: 719186

Time: 0.719186

-----------------------------------------------------

trace 6

Success: 2233489

Total: 2563897

Accuracy: 0.871131

Clock ticks: 5551091

Time: 5.551091

-----------------------------------------------------

trace 7

Success: 1455534

Total: 1614292

Accuracy: 0.901655

Clock ticks: 4655645

Time: 4.655645

-----------------------------------------------------

trace 8

Success: 1444872

Total: 1625310

Accuracy: 0.888982

Clock ticks: 2273344

Time: 2.273344

-----------------------------------------------------

trace 9

Success: 1400943

Total: 1643205

Accuracy: 0.852567

Clock ticks: 7429502

Time: 7.429502

-----------------------------------------------------

trace 10

Success: 1378149

Total: 1647830

Accuracy: 0.836342

Clock ticks: 1041136

Time: 1.041136

-----------------------------------------------------

trace 11

Success: 1386760

Total: 1647830

Accuracy: 0.841567

Clock ticks: 1073775

Time: 1.073775

-----------------------------------------------------

trace 12

Success: 1398392

Total: 1647816

Accuracy: 0.848634

Clock ticks: 2008770

Time: 2.008770

-----------------------------------------------------

trace 13

Success: 1446139

Total: 1646525

Accuracy: 0.878298

Clock ticks: 2118787

Time: 2.118787

-----------------------------------------------------

trace 14

Success: 1373173

Total: 1647811

Accuracy: 0.833332

Clock ticks: 1803633

Time: 1.803633

-----------------------------------------------------

trace 15

Success: 1368080

Total: 1647827

Accuracy: 0.830233

Clock ticks: 980630

Time: 0.980630

-----------------------------------------------------

trace 16

Success: 1409509

Total: 1647833

Accuracy: 0.855371

Clock ticks: 1095685

Time: 1.095685

Mean: 0.8513765625

StdDev: 0.08461059781293652

Dynamic Bimodal for N = 20

-----------------------------------------------------

trace 1

Success: 1526418

Total: 1546797

Accuracy: 0.986825

Clock ticks: 130825

Time: 0.130825

-----------------------------------------------------

trace 2

Success: 1938201

Total: 2422049

Accuracy: 0.800232

Clock ticks: 196272

Time: 0.196272

-----------------------------------------------------

trace 3

Success: 3187507

Total: 3771697

Accuracy: 0.845112

Clock ticks: 317883

Time: 0.317883

-----------------------------------------------------

trace 4

Success: 3729558

Total: 3755315

Accuracy: 0.993141

Clock ticks: 275610

Time: 0.275610

-----------------------------------------------------

trace 5

Success: 2716106

Total: 3014850

Accuracy: 0.900909

Clock ticks: 252532

Time: 0.252532

-----------------------------------------------------

trace 6

Success: 2318115

Total: 2563897

Accuracy: 0.904137

Clock ticks: 228931

Time: 0.228931

-----------------------------------------------------

trace 7

Success: 1492005

Total: 1614292

Accuracy: 0.924247

Clock ticks: 153302

Time: 0.153302

-----------------------------------------------------

trace 8

Success: 1493700

Total: 1625310

Accuracy: 0.919025

Clock ticks: 158277

Time: 0.158277

-----------------------------------------------------

trace 9

Success: 1452682

Total: 1643205

Accuracy: 0.884054

Clock ticks: 153785

Time: 0.153785

-----------------------------------------------------

trace 10

Success: 1421725

Total: 1647830

Accuracy: 0.862786

Clock ticks: 144980

Time: 0.144980

-----------------------------------------------------

trace 11

Success: 1433585

Total: 1647830

Accuracy: 0.869984

Clock ticks: 147304

Time: 0.147304

-----------------------------------------------------

trace 12

Success: 1456268

Total: 1647816

Accuracy: 0.883756

Clock ticks: 146418

Time: 0.146418

-----------------------------------------------------

trace 13

Success: 1505661

Total: 1646525

Accuracy: 0.914448

Clock ticks: 138565

Time: 0.138565

-----------------------------------------------------

trace 14

Success: 1435540

Total: 1647811

Accuracy: 0.871180

Clock ticks: 148440

Time: 0.148440

-----------------------------------------------------

trace 15

Success: 1425237

Total: 1647827

Accuracy: 0.864919

Clock ticks: 157015

Time: 0.157015

-----------------------------------------------------

trace 16

Success: 1464344

Total: 1647833

Accuracy: 0.888648

Clock ticks: 151073

Time: 0.151073

Mean: 0.8945876875

StdDev: 0.048223201611836526

Dynamic Bimodal with n = 10

-----------------------------------------------------

trace 1

Success: 1526329

Total: 1546797

Accuracy: 0.986767

Clock ticks: 148054

Time: 0.148054

-----------------------------------------------------

trace 2

Success: 1939185

Total: 2422049

Accuracy: 0.800638

Clock ticks: 210652

Time: 0.210652

-----------------------------------------------------

trace 3

Success: 3117661

Total: 3771697

Accuracy: 0.826594

Clock ticks: 369464

Time: 0.369464

-----------------------------------------------------

trace 4

Success: 3729173

Total: 3755315

Accuracy: 0.993039

Clock ticks: 276233

Time: 0.276233

-----------------------------------------------------

trace 5

Success: 2668215

Total: 3014850

Accuracy: 0.885024

Clock ticks: 256444

Time: 0.256444

-----------------------------------------------------

trace 6

Success: 2263803

Total: 2563897

Accuracy: 0.882954

Clock ticks: 219726

Time: 0.219726

-----------------------------------------------------

trace 7

Success: 1439619

Total: 1614292

Accuracy: 0.891796

Clock ticks: 145129

Time: 0.145129

-----------------------------------------------------

trace 8

Success: 1395028

Total: 1625310

Accuracy: 0.858315

Clock ticks: 146309

Time: 0.146309

-----------------------------------------------------

trace 9

Success: 1400733

Total: 1643205

Accuracy: 0.852440

Clock ticks: 146556

Time: 0.146556

-----------------------------------------------------

trace 10

Success: 1321915

Total: 1647830

Accuracy: 0.802216

Clock ticks: 149129

Time: 0.149129

-----------------------------------------------------

trace 11

Success: 1329837

Total: 1647830

Accuracy: 0.807023

Clock ticks: 147236

Time: 0.147236

-----------------------------------------------------

trace 12

Success: 1372516

Total: 1647816

Accuracy: 0.832930

Clock ticks: 148272

Time: 0.148272

-----------------------------------------------------

trace 13

Success: 1498162

Total: 1646525

Accuracy: 0.909893

Clock ticks: 134789

Time: 0.134789

-----------------------------------------------------

trace 14

Success: 1343763

Total: 1647811

Accuracy: 0.815484

Clock ticks: 145239

Time: 0.145239

-----------------------------------------------------

trace 15

Success: 1316015

Total: 1647827

Accuracy: 0.798637

Clock ticks: 150900

Time: 0.150900

-----------------------------------------------------

trace 16

Success: 1356881

Total: 1647833

Accuracy: 0.823434

Clock ticks: 148181

Time: 0.148181

Mean: 0.860449

StdDev: 0.061688307439903056

Dynamic Bimodal with n = 2

-----------------------------------------------------

trace 1

Success: 1494705

Total: 1546797

Accuracy: 0.966323

Clock ticks: 116317

Time: 0.116317

-----------------------------------------------------

trace 2

Success: 1496370

Total: 2422049

Accuracy: 0.617812

Clock ticks: 203072

Time: 0.203072

-----------------------------------------------------

trace 3

Success: 2441125

Total: 3771697

Accuracy: 0.647222

Clock ticks: 318749

Time: 0.318749

-----------------------------------------------------

trace 4

Success: 3682810

Total: 3755315

Accuracy: 0.980693

Clock ticks: 283151

Time: 0.283151

-----------------------------------------------------

trace 5

Success: 1622129

Total: 3014850

Accuracy: 0.538046

Clock ticks: 264383

Time: 0.264383

-----------------------------------------------------

trace 6

Success: 1858555

Total: 2563897

Accuracy: 0.724895

Clock ticks: 231339

Time: 0.231339

-----------------------------------------------------

trace 7

Success: 1043189

Total: 1614292

Accuracy: 0.646221

Clock ticks: 150442

Time: 0.150442

-----------------------------------------------------

trace 8

Success: 1057927

Total: 1625310

Accuracy: 0.650908

Clock ticks: 150799

Time: 0.150799

-----------------------------------------------------

trace 9

Success: 1078657

Total: 1643205

Accuracy: 0.656435

Clock ticks: 151451

Time: 0.151451

-----------------------------------------------------

trace 10

Success: 1034726

Total: 1647830

Accuracy: 0.627932

Clock ticks: 160617

Time: 0.160617

-----------------------------------------------------

trace 11

Success: 1033165

Total: 1647830

Accuracy: 0.626985

Clock ticks: 153709

Time: 0.153709

-----------------------------------------------------

trace 12

Success: 1026285

Total: 1647816

Accuracy: 0.622815

Clock ticks: 149412

Time: 0.149412

-----------------------------------------------------

trace 13

Success: 1198799

Total: 1646525

Accuracy: 0.728078

Clock ticks: 135759

Time: 0.135759

-----------------------------------------------------

trace 14

Success: 1053273

Total: 1647811

Accuracy: 0.639195

Clock ticks: 159142

Time: 0.159142

-----------------------------------------------------

trace 15

Success: 1040893

Total: 1647827

Accuracy: 0.631676

Clock ticks: 148615

Time: 0.148615

-----------------------------------------------------

trace 16

Success: 1026321

Total: 1647833

Accuracy: 0.622831

Clock ticks: 154880

Time: 0.154880

Mean: 0.6830041875

StdDev: 0.12118181748002668

Dynamic Bimodal with n = 24

-----------------------------------------------------

trace 1

Success: 1526418

Total: 1546797

Accuracy: 0.986825

Clock ticks: 130870

Time: 0.130870

-----------------------------------------------------

trace 2

Success: 1938201

Total: 2422049

Accuracy: 0.800232

Clock ticks: 203581

Time: 0.203581

-----------------------------------------------------

trace 3

Success: 3187508

Total: 3771697

Accuracy: 0.845112

Clock ticks: 339503

Time: 0.339503

-----------------------------------------------------

trace 4

Success: 3729558

Total: 3755315

Accuracy: 0.993141

Clock ticks: 280867

Time: 0.280867

-----------------------------------------------------

trace 5

Success: 2716106

Total: 3014850

Accuracy: 0.900909

Clock ticks: 261195

Time: 0.261195

-----------------------------------------------------

trace 6

Success: 2318219

Total: 2563897

Accuracy: 0.904178

Clock ticks: 223997

Time: 0.223997

-----------------------------------------------------

trace 7

Success: 1492010

Total: 1614292

Accuracy: 0.924250

Clock ticks: 142751

Time: 0.142751

-----------------------------------------------------

trace 8

Success: 1493700

Total: 1625310

Accuracy: 0.919025

Clock ticks: 144986

Time: 0.144986

-----------------------------------------------------

trace 9

Success: 1452682

Total: 1643205

Accuracy: 0.884054

Clock ticks: 142751

Time: 0.142751

-----------------------------------------------------

trace 10

Success: 1421725

Total: 1647830

Accuracy: 0.862786

Clock ticks: 146771

Time: 0.146771

-----------------------------------------------------

trace 11

Success: 1433585

Total: 1647830

Accuracy: 0.869984

Clock ticks: 147691

Time: 0.147691

-----------------------------------------------------

trace 12

Success: 1456268

Total: 1647816

Accuracy: 0.883756

Clock ticks: 147274

Time: 0.147274

-----------------------------------------------------

trace 13

Success: 1505660

Total: 1646525

Accuracy: 0.914447

Clock ticks: 135570

Time: 0.135570

-----------------------------------------------------

trace 14

Success: 1435540

Total: 1647811

Accuracy: 0.871180

Clock ticks: 145993

Time: 0.145993

-----------------------------------------------------

trace 15

Success: 1425237

Total: 1647827

Accuracy: 0.864919

Clock ticks: 148236

Time: 0.148236

-----------------------------------------------------

trace 16

Success: 1464344

Total: 1647833

Accuracy: 0.888648

Clock ticks: 145484

Time: 0.145484

Mean: 0.894590375

StdDev: 0.04822383951238916

Dynamic Bimodal with n = 31

-----------------------------------------------------

trace 1

Success: 1526418

Total: 1546797

Accuracy: 0.986825

Clock ticks: 158247

Time: 0.158247

-----------------------------------------------------

trace 2

Success: 1938201

Total: 2422049

Accuracy: 0.800232

Clock ticks: 255962

Time: 0.255962

-----------------------------------------------------

trace 3

Success: 3187508

Total: 3771697

Accuracy: 0.845112

Clock ticks: 412410

Time: 0.412410

-----------------------------------------------------

trace 4

Success: 3729558

Total: 3755315

Accuracy: 0.993141

Clock ticks: 367234

Time: 0.367234

-----------------------------------------------------

trace 5

Success: 2716106

Total: 3014850

Accuracy: 0.900909

Clock ticks: 328564

Time: 0.328564

-----------------------------------------------------

trace 6

Success: 2318222

Total: 2563897

Accuracy: 0.904179

Clock ticks: 255697

Time: 0.255697

-----------------------------------------------------

trace 7

Success: 1492010

Total: 1614292

Accuracy: 0.924250

Clock ticks: 166409

Time: 0.166409

-----------------------------------------------------

trace 8

Success: 1493700

Total: 1625310

Accuracy: 0.919025

Clock ticks: 208183

Time: 0.208183

-----------------------------------------------------

trace 9

Success: 1452687

Total: 1643205

Accuracy: 0.884057

Clock ticks: 166336

Time: 0.166336

-----------------------------------------------------

trace 10

Success: 1421725

Total: 1647830

Accuracy: 0.862786

Clock ticks: 172621

Time: 0.172621

-----------------------------------------------------

trace 11

Success: 1433585

Total: 1647830

Accuracy: 0.869984

Clock ticks: 186398

Time: 0.186398

-----------------------------------------------------

trace 12

Success: 1456270

Total: 1647816

Accuracy: 0.883758

Clock ticks: 171502

Time: 0.171502

-----------------------------------------------------

trace 13

Success: 1505661

Total: 1646525

Accuracy: 0.914448

Clock ticks: 183901

Time: 0.183901

-----------------------------------------------------

trace 14

Success: 1435540

Total: 1647811

Accuracy: 0.871180

Clock ticks: 180934

Time: 0.180934

-----------------------------------------------------

trace 15

Success: 1425237

Total: 1647827

Accuracy: 0.864919

Clock ticks: 198175

Time: 0.198175

-----------------------------------------------------

trace 16

Success: 1464344

Total: 1647833

Accuracy: 0.888648

Clock ticks: 196812

Time: 0.196812

Mean: 0.8945908124999999

StdDev: 0.048223806572022423

Dynamic Bimodal with Branch history (n = 20, h = 0)

-----------------------------------------------------

trace 1

Success: 1526418

Total: 1546797

Accuracy: 0.986825

Clock ticks: 114495

Time: 0.114495

-----------------------------------------------------

trace 2

Success: 1938201

Total: 2422049

Accuracy: 0.800232

Clock ticks: 192107

Time: 0.192107

-----------------------------------------------------

trace 3

Success: 3187507

Total: 3771697

Accuracy: 0.845112

Clock ticks: 317636

Time: 0.317636

-----------------------------------------------------

trace 4

Success: 3729558

Total: 3755315

Accuracy: 0.993141

Clock ticks: 288068

Time: 0.288068

-----------------------------------------------------

trace 5

Success: 2716106

Total: 3014850

Accuracy: 0.900909

Clock ticks: 252908

Time: 0.252908

-----------------------------------------------------

trace 6

Success: 2318115

Total: 2563897

Accuracy: 0.904137

Clock ticks: 230747

Time: 0.230747

-----------------------------------------------------

trace 7

Success: 1492005

Total: 1614292

Accuracy: 0.924247

Clock ticks: 146070

Time: 0.146070

-----------------------------------------------------

trace 8

Success: 1493700

Total: 1625310

Accuracy: 0.919025

Clock ticks: 152689

Time: 0.152689

-----------------------------------------------------

trace 9

Success: 1452682

Total: 1643205

Accuracy: 0.884054

Clock ticks: 153704

Time: 0.153704

-----------------------------------------------------

trace 10

Success: 1421725

Total: 1647830

Accuracy: 0.862786

Clock ticks: 145135

Time: 0.145135

-----------------------------------------------------

trace 11

Success: 1433585

Total: 1647830

Accuracy: 0.869984

Clock ticks: 147532

Time: 0.147532

-----------------------------------------------------

trace 12

Success: 1456268

Total: 1647816

Accuracy: 0.883756

Clock ticks: 142348

Time: 0.142348

-----------------------------------------------------

trace 13

Success: 1505661

Total: 1646525

Accuracy: 0.914448

Clock ticks: 138088

Time: 0.138088

-----------------------------------------------------

trace 14

Success: 1435540

Total: 1647811

Accuracy: 0.871180

Clock ticks: 145105

Time: 0.145105

-----------------------------------------------------

trace 15

Success: 1425237

Total: 1647827

Accuracy: 0.864919

Clock ticks: 147024

Time: 0.147024

-----------------------------------------------------

trace 16

Success: 1464344

Total: 1647833

Accuracy: 0.888648

Clock ticks: 145716

Time: 0.145716

Mean: 0.8945876875

StdDev: 0.048223201611836526

Dynamic Gshare (n=20, h=5)

-----------------------------------------------------

trace 1

Success: 1530271

Total: 1546797

Accuracy: 0.989316

Clock ticks: 136744

Time: 0.136744

-----------------------------------------------------

trace 2

Success: 2197635

Total: 2422049

Accuracy: 0.907345

Clock ticks: 197954

Time: 0.197954

-----------------------------------------------------

trace 3

Success: 3349844

Total: 3771697

Accuracy: 0.888153

Clock ticks: 319529

Time: 0.319529

-----------------------------------------------------

trace 4

Success: 3737466

Total: 3755315

Accuracy: 0.995247

Clock ticks: 302226

Time: 0.302226

-----------------------------------------------------

trace 5

Success: 2848896

Total: 3014850

Accuracy: 0.944954

Clock ticks: 259679

Time: 0.259679

-----------------------------------------------------

trace 6

Success: 2374430

Total: 2563897

Accuracy: 0.926102

Clock ticks: 232969

Time: 0.232969

-----------------------------------------------------

trace 7

Success: 1504011

Total: 1614292

Accuracy: 0.931685

Clock ticks: 145299

Time: 0.145299

-----------------------------------------------------

trace 8

Success: 1508403

Total: 1625310

Accuracy: 0.928071

Clock ticks: 158329

Time: 0.158329

-----------------------------------------------------

trace 9

Success: 1508122

Total: 1643205

Accuracy: 0.917793

Clock ticks: 149985

Time: 0.149985

-----------------------------------------------------

trace 10

Success: 1503231

Total: 1647830

Accuracy: 0.912249

Clock ticks: 147800

Time: 0.147800

-----------------------------------------------------

trace 11

Success: 1507145

Total: 1647830

Accuracy: 0.914624

Clock ticks: 147771

Time: 0.147771

-----------------------------------------------------

trace 12

Success: 1509993

Total: 1647816

Accuracy: 0.916360

Clock ticks: 146166

Time: 0.146166

-----------------------------------------------------

trace 13

Success: 1526627

Total: 1646525

Accuracy: 0.927181

Clock ticks: 137892

Time: 0.137892

-----------------------------------------------------

trace 14

Success: 1501658

Total: 1647811

Accuracy: 0.911305

Clock ticks: 146302

Time: 0.146302

-----------------------------------------------------

trace 15

Success: 1503012

Total: 1647827

Accuracy: 0.912118

Clock ticks: 147825

Time: 0.147825

-----------------------------------------------------

trace 16

Success: 1523734

Total: 1647833

Accuracy: 0.924690

Clock ticks: 148725

Time: 0.148725

Mean: 0.9279495624999999

StdDev: 0.028059554543788348

Dynamic Gshare (n=20, h=10)

-----------------------------------------------------

trace 1

Success: 1529489

Total: 1546797

Accuracy: 0.988810

Clock ticks: 118327

Time: 0.118327

-----------------------------------------------------

trace 2

Success: 2336150

Total: 2422049

Accuracy: 0.964535

Clock ticks: 197503

Time: 0.197503

-----------------------------------------------------

trace 3

Success: 3289637

Total: 3771697

Accuracy: 0.872190

Clock ticks: 327130

Time: 0.327130

-----------------------------------------------------

trace 4

Success: 3739689

Total: 3755315

Accuracy: 0.995839

Clock ticks: 318552

Time: 0.318552

-----------------------------------------------------

trace 5

Success: 2857239

Total: 3014850

Accuracy: 0.947722

Clock ticks: 272630

Time: 0.272630

-----------------------------------------------------

trace 6

Success: 2397504

Total: 2563897

Accuracy: 0.935102

Clock ticks: 288354

Time: 0.288354

-----------------------------------------------------

trace 7

Success: 1524269

Total: 1614292

Accuracy: 0.944234

Clock ticks: 163328

Time: 0.163328

-----------------------------------------------------

trace 8

Success: 1538039

Total: 1625310

Accuracy: 0.946305

Clock ticks: 167758

Time: 0.167758

-----------------------------------------------------

trace 9

Success: 1532573

Total: 1643205

Accuracy: 0.932673

Clock ticks: 156707

Time: 0.156707

-----------------------------------------------------

trace 10

Success: 1549388

Total: 1647830

Accuracy: 0.940260

Clock ticks: 163504

Time: 0.163504

-----------------------------------------------------

trace 11

Success: 1545516

Total: 1647830

Accuracy: 0.937910

Clock ticks: 164265

Time: 0.164265

-----------------------------------------------------

trace 12

Success: 1535373

Total: 1647816

Accuracy: 0.931762

Clock ticks: 164327

Time: 0.164327

-----------------------------------------------------

trace 13

Success: 1558143

Total: 1646525

Accuracy: 0.946322

Clock ticks: 149121

Time: 0.149121

-----------------------------------------------------

trace 14

Success: 1539184

Total: 1647811

Accuracy: 0.934078

Clock ticks: 167549

Time: 0.167549

-----------------------------------------------------

trace 15

Success: 1546228

Total: 1647827

Accuracy: 0.938344

Clock ticks: 151147

Time: 0.151147

-----------------------------------------------------

trace 16

Success: 1546294

Total: 1647833

Accuracy: 0.938380

Clock ticks: 156063

Time: 0.156063

Mean: 0.943404125

StdDev: 0.026910781630850734

Dynamic Bimodal with Branch History (n = 20, h = 20)

-----------------------------------------------------

trace 1

Success: 1533904

Total: 1546797

Accuracy: 0.991665

Clock ticks: 137523

Time: 0.137523

-----------------------------------------------------

trace 2

Success: 2394220

Total: 2422049

Accuracy: 0.988510

Clock ticks: 193830

Time: 0.193830

-----------------------------------------------------

trace 3

Success: 3463477

Total: 3771697

Accuracy: 0.918281

Clock ticks: 339480

Time: 0.339480

-----------------------------------------------------

trace 4

Success: 3743314

Total: 3755315

Accuracy: 0.996804

Clock ticks: 279102

Time: 0.279102

-----------------------------------------------------

trace 5

Success: 2909967

Total: 3014850

Accuracy: 0.965211

Clock ticks: 258411

Time: 0.258411

-----------------------------------------------------

trace 6

Success: 2413260

Total: 2563897

Accuracy: 0.941247

Clock ticks: 256074

Time: 0.256074

-----------------------------------------------------

trace 7

Success: 1555872

Total: 1614292

Accuracy: 0.963811

Clock ticks: 156084

Time: 0.156084

-----------------------------------------------------

trace 8

Success: 1577814

Total: 1625310

Accuracy: 0.970777

Clock ticks: 172221

Time: 0.172221

-----------------------------------------------------

trace 9

Success: 1561438

Total: 1643205

Accuracy: 0.950239

Clock ticks: 156216

Time: 0.156216

-----------------------------------------------------

trace 10

Success: 1594331

Total: 1647830

Accuracy: 0.967534

Clock ticks: 161377

Time: 0.161377

-----------------------------------------------------

trace 11

Success: 1580612

Total: 1647830

Accuracy: 0.959208

Clock ticks: 157365

Time: 0.157365

-----------------------------------------------------

trace 12

Success: 1559521

Total: 1647816

Accuracy: 0.946417

Clock ticks: 151583

Time: 0.151583

-----------------------------------------------------

trace 13

Success: 1585226

Total: 1646525

Accuracy: 0.962771

Clock ticks: 141664

Time: 0.141664

-----------------------------------------------------

trace 14

Success: 1578125

Total: 1647811

Accuracy: 0.957710

Clock ticks: 159483

Time: 0.159483

-----------------------------------------------------

trace 15

Success: 1588798

Total: 1647827

Accuracy: 0.964178

Clock ticks: 151772

Time: 0.151772

-----------------------------------------------------

trace 16

Success: 1574813

Total: 1647833

Accuracy: 0.955687

Clock ticks: 154736

Time: 0.154736

Mean: 0.962503125

StdDev: 0.0195036614506952