**Eight Puzzle – Run Time Analysis**

**Priority Queue as a Linked List**

Priority Queue is a: **LinkedList:**

**Enqueue is O(n)**

**Dequeue is O(1)**

Machine specifications:

**YOUR ANSWER HERE:**

**Dell Laptop**

**2.40 GHz i7 CPU**

**8 GB Memory**

**64bit Windows OS**

Longest Reported Run Time: **YOUR ANSWER HERE**

Longest Number of Moves: **YOUR ANSWER HERE**

Total Run Time for  
all possible States: **YOUR ANSWER HERE**

**Program output:**

Generating All Possible States... Done!

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 1, Time Needed: 0.00 Seconds

States solved: 1, Total Running Time: 0.00 Minutes

==================================================

012

345

867

---

312

045

867

---

312

845

067

---

312

845

607

---

312

805

647

---

312

085

647

---

012

385

647

---

102

385

647

---

120

385

647

---

125

380

647

---

125

308

647

---

125

348

607

---

125

348

670

---

125

340

678

---

120

345

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.22 Seconds

States solved: 2, Total Running Time: 0.00 Minutes

==================================================

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 1, Time Needed: 0.00 Seconds

States solved: 3, Total Running Time: 0.00 Minutes

==================================================

012

346

587

---

102

346

587

---

142

306

587

---

142

386

507

---

142

386

057

---

142

086

357

---

142

806

357

---

142

860

357

---

142

867

350

---

142

867

305

---

142

807

365

---

142

087

365

---

142

387

065

---

142

387

605

---

142

307

685

---

142

370

685

---

142

375

680

---

142

375

608

---

142

305

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 21, Time Needed: 3.13 Seconds

States solved: 4, Total Running Time: 0.05 Minutes

==================================================

012

346

875

---

102

346

875

---

142

306

875

---

142

376

805

---

142

376

085

---

142

076

385

---

142

706

385

---

142

760

385

---

142

765

380

---

142

765

308

---

142

705

368

---

142

075

368

---

142

375

068

---

142

375

608

---

142

305

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.10 Seconds

States solved: 5, Total Running Time: 0.05 Minutes

==================================================

012

346

587

---

102

346

587

---

142

306

587

---

142

386

507

---

142

386

057

---

142

086

357

---

142

806

357

---

142

860

357

---

142

867

350

---

142

867

305

---

142

807

365

---

142

087

365

---

142

387

065

---

142

387

605

---

142

307

685

---

142

370

685

---

142

375

680

---

142

375

608

---

142

305

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 21, Time Needed: 4.65 Seconds

States solved: 6, Total Running Time: 0.12 Minutes

==================================================

012

347

685

---

102

347

685

---

142

307

685

---

142

370

685

---

142

375

680

---

142

375

608

---

142

305

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 9, Time Needed: 0.00 Seconds

States solved: 7, Total Running Time: 0.12 Minutes

==================================================

012

347

856

---

102

347

856

---

142

307

856

---

142

370

856

---

142

376

850

---

142

376

805

---

142

376

085

---

142

076

385

---

142

706

385

---

142

760

385

---

142

765

380

---

142

765

308

---

142

705

368

---

142

075

368

---

142

375

068

---

142

375

608

---

142

305

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 19, Time Needed: 0.64 Seconds

States solved: 8, Total Running Time: 0.12 Minutes

==================================================

012

347

685

---

102

347

685

---

142

307

685

---

142

370

685

---

142

375

680

---

142

375

608

---

142

305

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 9, Time Needed: 0.00 Seconds

States solved: 9, Total Running Time: 0.12 Minutes

==================================================

012

348

765

---

102

348

765

---

142

308

765

---

142

380

765

---

140

382

765

---

104

382

765

---

014

382

765

---

314

082

765

---

314

782

065

---

314

782

605

---

314

702

685

---

314

072

685

---

014

372

685

---

104

372

685

---

140

372

685

---

142

370

685

---

142

375

680

---

142

375

608

---

142

305

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 21, Time Needed: 2.80 Seconds

States solved: 10, Total Running Time: 0.15 Minutes

==================================================

012

348

576

---

102

348

576

---

142

308

576

---

142

378

506

---

142

378

056

---

142

078

356

---

142

708

356

---

142

758

306

---

142

758

360

---

142

750

368

---

142

705

368

---

142

075

368

---

142

375

068

---

142

375

608

---

142

305

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.13 Seconds

States solved: 11, Total Running Time: 0.15 Minutes

==================================================

012

348

765

---

102

348

765

---

142

308

765

---

142

380

765

---

140

382

765

---

104

382

765

---

014

382

765

---

314

082

765

---

314

782

065

---

314

782

605

---

314

702

685

---

314

072

685

---

014

372

685

---

104

372

685

---

140

372

685

---

142

370

685

---

142

375

680

---

142

375

608

---

142

305

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 21, Time Needed: 3.33 Seconds

States solved: 12, Total Running Time: 0.20 Minutes

==================================================

012

384

756

---

102

384

756

---

120

384

756

---

124

380

756

---

124

386

750

---

124

386

705

---

124

306

785

---

124

360

785

---

120

364

785

---

102

364

785

---

012

364

785

---

312

064

785

---

312

604

785

---

312

640

785

---

312

645

780

---

312

645

708

---

312

645

078

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 19, Time Needed: 0.80 Seconds

States solved: 13, Total Running Time: 0.20 Minutes

==================================================

012

384

567

---

312

084

567

---

312

584

067

---

312

584

607

---

312

584

670

---

312

580

674

---

312

508

674

---

312

058

674

---

312

658

074

---

312

658

704

---

312

658

740

---

312

650

748

---

312

605

748

---

312

645

708

---

312

645

078

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.19 Seconds

States solved: 14, Total Running Time: 0.20 Minutes

==================================================

012

384

756

---

102

384

756

---

120

384

756

---

124

380

756

---

124

386

750

---

124

386

705

---

124

306

785

---

124

360

785

---

120

364

785

---

102

364

785

---

012

364

785

---

312

064

785

---

312

604

785

---

312

640

785

---

312

645

780

---

312

645

708

---

312

645

078

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 19, Time Needed: 0.85 Seconds

States solved: 15, Total Running Time: 0.20 Minutes

==================================================

012

387

465

---

312

087

465

---

312

487

065

---

312

487

605

---

312

407

685

---

312

470

685

---

312

475

680

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 11, Time Needed: 0.00 Seconds

States solved: 16, Total Running Time: 0.20 Minutes

==================================================

012

387

546

---

312

087

546

---

312

587

046

---

312

587

406

---

312

587

460

---

312

580

467

---

312

508

467

---

312

058

467

---

312

458

067

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 15, Time Needed: 0.02 Seconds

States solved: 17, Total Running Time: 0.20 Minutes

==================================================

012

387

465

---

312

087

465

---

312

487

065

---

312

487

605

---

312

407

685

---

312

470

685

---

312

475

680

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 11, Time Needed: 0.00 Seconds

States solved: 18, Total Running Time: 0.20 Minutes

==================================================

012

386

745

---

312

086

745

---

312

786

045

---

312

786

405

---

312

706

485

---

312

760

485

---

312

765

480

---

312

765

408

---

312

705

468

---

312

075

468

---

312

475

068

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 15, Time Needed: 0.03 Seconds

States solved: 19, Total Running Time: 0.20 Minutes

==================================================

012

386

574

---

312

086

574

---

312

586

074

---

312

586

704

---

312

586

740

---

312

580

746

---

312

508

746

---

312

058

746

---

312

758

046

---

312

758

406

---

312

758

460

---

312

750

468

---

312

705

468

---

312

075

468

---

312

475

068

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 19, Time Needed: 1.07 Seconds

States solved: 20, Total Running Time: 0.22 Minutes

==================================================

012

386

745

---

312

086

745

---

312

786

045

---

312

786

405

---

312

706

485

---

312

760

485

---

312

765

480

---

312

765

408

---

312

705

468

---

312

075

468

---

312

475

068

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 15, Time Needed: 0.02 Seconds

States solved: 21, Total Running Time: 0.22 Minutes

==================================================

012

385

647

---

102

385

647

---

120

385

647

---

125

380

647

---

125

308

647

---

125

348

607

---

125

348

670

---

125

340

678

---

120

345

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 11, Time Needed: 0.00 Seconds

States solved: 22, Total Running Time: 0.22 Minutes

==================================================

012

385

476

---

102

385

476

---

120

385

476

---

125

380

476

---

125

308

476

---

125

378

406

---

125

378

460

---

125

370

468

---

120

375

468

---

102

375

468

---

012

375

468

---

312

075

468

---

312

475

068

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.18 Seconds

States solved: 23, Total Running Time: 0.22 Minutes

==================================================

012

385

647

---

102

385

647

---

120

385

647

---

125

380

647

---

125

308

647

---

125

348

607

---

125

348

670

---

125

340

678

---

120

345

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 11, Time Needed: 0.00 Seconds

States solved: 24, Total Running Time: 0.22 Minutes

==================================================

012

368

547

---

312

068

547

---

312

568

047

---

312

568

407

---

312

508

467

---

312

058

467

---

312

458

067

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 13, Time Needed: 0.00 Seconds

States solved: 25, Total Running Time: 0.22 Minutes

==================================================

012

368

475

---

102

368

475

---

120

368

475

---

128

360

475

---

128

365

470

---

128

365

407

---

128

305

467

---

128

350

467

---

120

358

467

---

102

358

467

---

012

358

467

---

312

058

467

---

312

458

067

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 19, Time Needed: 0.83 Seconds

States solved: 26, Total Running Time: 0.22 Minutes

==================================================

012

368

547

---

312

068

547

---

312

568

047

---

312

568

407

---

312

508

467

---

312

058

467

---

312

458

067

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 13, Time Needed: 0.01 Seconds

States solved: 27, Total Running Time: 0.22 Minutes

==================================================

012

365

874

---

312

065

874

---

312

605

874

---

312

675

804

---

312

675

084

---

312

075

684

---

012

375

684

---

102

375

684

---

120

375

684

---

125

370

684

---

125

374

680

---

125

374

608

---

125

304

678

---

125

340

678

---

120

345

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.17 Seconds

States solved: 28, Total Running Time: 0.22 Minutes

==================================================

012

365

487

---

102

365

487

---

120

365

487

---

125

360

487

---

125

367

480

---

125

367

408

---

125

307

468

---

125

370

468

---

120

375

468

---

102

375

468

---

012

375

468

---

312

075

468

---

312

475

068

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.13 Seconds

States solved: 29, Total Running Time: 0.22 Minutes

==================================================

012

365

874

---

312

065

874

---

312

605

874

---

312

675

804

---

312

675

084

---

312

075

684

---

012

375

684

---

102

375

684

---

120

375

684

---

125

370

684

---

125

374

680

---

125

374

608

---

125

304

678

---

125

340

678

---

120

345

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.19 Seconds

States solved: 30, Total Running Time: 0.22 Minutes

==================================================

012

367

584

---

312

067

584

---

312

607

584

---

312

687

504

---

312

687

540

---

312

680

547

---

312

608

547

---

312

648

507

---

312

648

057

---

312

048

657

---

312

408

657

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.19 Seconds

States solved: 31, Total Running Time: 0.22 Minutes

==================================================

012

367

458

---

102

367

458

---

120

367

458

---

127

360

458

---

127

368

450

---

127

368

405

---

127

308

465

---

127

380

465

---

120

387

465

---

102

387

465

---

012

387

465

---

312

087

465

---

312

487

065

---

312

487

605

---

312

407

685

---

312

470

685

---

312

475

680

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 21, Time Needed: 4.07 Seconds

States solved: 32, Total Running Time: 0.28 Minutes

==================================================

012

367

584

---

312

067

584

---

312

607

584

---

312

687

504

---

312

687

540

---

312

680

547

---

312

608

547

---

312

648

507

---

312

648

057

---

312

048

657

---

312

408

657

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.18 Seconds

States solved: 33, Total Running Time: 0.28 Minutes

==================================================

012

364

785

---

312

064

785

---

312

604

785

---

312

640

785

---

312

645

780

---

312

645

708

---

312

645

078

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 9, Time Needed: 0.00 Seconds

States solved: 34, Total Running Time: 0.28 Minutes

==================================================

012

364

857

---

312

064

857

---

312

604

857

---

312

640

857

---

312

647

850

---

312

647

805

---

312

647

085

---

312

047

685

---

312

407

685

---

312

470

685

---

312

475

680

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 15, Time Needed: 0.04 Seconds

States solved: 35, Total Running Time: 0.28 Minutes

==================================================

012

364

785

---

312

064

785

---

312

604

785

---

312

640

785

---

312

645

780

---

312

645

708

---

312

645

078

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 9, Time Needed: 0.00 Seconds

States solved: 36, Total Running Time: 0.28 Minutes

==================================================

012

356

478

---

312

056

478

---

312

506

478

---

312

560

478

---

312

568

470

---

312

568

407

---

312

508

467

---

312

058

467

---

312

458

067

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 15, Time Needed: 0.02 Seconds

States solved: 37, Total Running Time: 0.28 Minutes

==================================================

012

356

847

---

312

056

847

---

312

856

047

---

312

856

407

---

312

806

457

---

312

860

457

---

312

867

450

---

312

867

405

---

312

807

465

---

312

087

465

---

312

487

065

---

312

487

605

---

312

407

685

---

312

470

685

---

312

475

680

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 19, Time Needed: 0.99 Seconds

States solved: 38, Total Running Time: 0.28 Minutes

==================================================

012

356

478

---

312

056

478

---

312

506

478

---

312

560

478

---

312

568

470

---

312

568

407

---

312

508

467

---

312

058

467

---

312

458

067

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 15, Time Needed: 0.02 Seconds

States solved: 39, Total Running Time: 0.28 Minutes

==================================================

012

354

687

---

312

054

687

---

312

654

087

---

312

654

807

---

312

604

857

---

312

640

857

---

312

647

850

---

312

647

805

---

312

647

085

---

312

047

685

---

312

407

685

---

312

470

685

---

312

475

680

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.18 Seconds

States solved: 40, Total Running Time: 0.28 Minutes

==================================================

012

354

876

---

102

354

876

---

120

354

876

---

124

350

876

---

124

305

876

---

124

375

806

---

124

375

860

---

124

370

865

---

120

374

865

---

102

374

865

---

012

374

865

---

312

074

865

---

312

704

865

---

312

764

805

---

312

764

085

---

312

064

785

---

312

604

785

---

312

640

785

---

312

645

780

---

312

645

708

---

312

645

078

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 23, Time Needed: 21.45 Seconds

States solved: 41, Total Running Time: 0.63 Minutes

==================================================

012

354

687

---

312

054

687

---

312

654

087

---

312

654

807

---

312

604

857

---

312

640

857

---

312

647

850

---

312

647

805

---

312

647

085

---

312

047

685

---

312

407

685

---

312

470

685

---

312

475

680

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.15 Seconds

States solved: 42, Total Running Time: 0.63 Minutes

==================================================

012

357

486

---

312

057

486

---

312

507

486

---

312

587

406

---

312

587

460

---

312

580

467

---

312

508

467

---

312

058

467

---

312

458

067

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 15, Time Needed: 0.04 Seconds

States solved: 43, Total Running Time: 0.63 Minutes

==================================================

012

357

864

---

312

057

864

---

312

857

064

---

312

857

604

---

312

807

654

---

312

870

654

---

312

874

650

---

312

874

605

---

312

804

675

---

312

084

675

---

312

684

075

---

312

684

705

---

312

604

785

---

312

640

785

---

312

645

780

---

312

645

708

---

312

645

078

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 19, Time Needed: 0.97 Seconds

States solved: 44, Total Running Time: 0.63 Minutes

==================================================

012

357

486

---

312

057

486

---

312

507

486

---

312

587

406

---

312

587

460

---

312

580

467

---

312

508

467

---

312

058

467

---

312

458

067

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 15, Time Needed: 0.03 Seconds

States solved: 45, Total Running Time: 0.63 Minutes

==================================================

012

358

746

---

312

058

746

---

312

758

046

---

312

758

406

---

312

758

460

---

312

750

468

---

312

705

468

---

312

075

468

---

312

475

068

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 13, Time Needed: 0.01 Seconds

States solved: 46, Total Running Time: 0.63 Minutes

==================================================

012

358

674

---

312

058

674

---

312

658

074

---

312

658

704

---

312

658

740

---

312

650

748

---

312

605

748

---

312

645

708

---

312

645

078

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 11, Time Needed: 0.00 Seconds

States solved: 47, Total Running Time: 0.63 Minutes

==================================================

012

358

746

---

312

058

746

---

312

758

046

---

312

758

406

---

312

758

460

---

312

750

468

---

312

705

468

---

312

075

468

---

312

475

068

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 13, Time Needed: 0.01 Seconds

States solved: 48, Total Running Time: 0.63 Minutes

==================================================

012

365

874

---

312

065

874

---

312

605

874

---

312

675

804

---

312

675

084

---

312

075

684

---

012

375

684

---

102

375

684

---

120

375

684

---

125

370

684

---

125

374

680

---

125

374

608

---

125

304

678

---

125

340

678

---

120

345

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.19 Seconds

States solved: 49, Total Running Time: 0.63 Minutes

==================================================

012

365

487

---

102

365

487

---

120

365

487

---

125

360

487

---

125

367

480

---

125

367

408

---

125

307

468

---

125

370

468

---

120

375

468

---

102

375

468

---

012

375

468

---

312

075

468

---

312

475

068

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.13 Seconds

States solved: 50, Total Running Time: 0.63 Minutes

==================================================

012

365

874

---

312

065

874

---

312

605

874

---

312

675

804

---

312

675

084

---

312

075

684

---

012

375

684

---

102

375

684

---

120

375

684

---

125

370

684

---

125

374

680

---

125

374

608

---

125

304

678

---

125

340

678

---

120

345

678

---

102

345

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 17, Time Needed: 0.19 Seconds

States solved: 51, Total Running Time: 0.63 Minutes

==================================================

012

368

547

---

312

068

547

---

312

568

047

---

312

568

407

---

312

508

467

---

312

058

467

---

312

458

067

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 13, Time Needed: 0.00 Seconds

States solved: 52, Total Running Time: 0.63 Minutes

==================================================

012

368

475

---

102

368

475

---

120

368

475

---

128

360

475

---

128

365

470

---

128

365

407

---

128

305

467

---

128

350

467

---

120

358

467

---

102

358

467

---

012

358

467

---

312

058

467

---

312

458

067

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 19, Time Needed: 0.89 Seconds

States solved: 53, Total Running Time: 0.63 Minutes

==================================================

012

368

547

---

312

068

547

---

312

568

047

---

312

568

407

---

312

508

467

---

312

058

467

---

312

458

067

---

312

458

607

---

312

458

670

---

312

450

678

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 13, Time Needed: 0.00 Seconds

States solved: 54, Total Running Time: 0.63 Minutes

==================================================

012

367

845

---

312

067

845

---

312

607

845

---

312

647

805

---

312

647

085

---

312

047

685

---

312

407

685

---

312

470

685

---

312

475

680

---

312

475

608

---

312

405

678

---

312

045

678

---

012

345

678

---

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 13, Time Needed: 0.00 Seconds

States solved: 55, Total Running Time: 0.63 Minutes

==================================================

…

…

…

…

…

…

…

…

…

…

…

…

…

…

…

==================================================

PREVIOUS SOLUTION DATA

Number of moves: 21, Time Needed: 5.97 Seconds

States solved: 74, Total Running Time: 2.72 Minutes

==================================================

…

…

…

…

…

…

…

…

**Show at least 100 solutions to possible states!!!!!**

**If needed (due to time limitations), estimate expected total run time.**