```
/usr/local/bin/python3.8 "/Users/ethan/Desktop/2021S/
CS 486/a1/code_posted/main.py"
For Jam-1:
The number of nodes that blocking_heuristic expands is
 626
The number of nodes that advanced_heuristic expands is
 612


For Jam-2:
The number of nodes that blocking_heuristic expands is
 542
The number of nodes that advanced_heuristic expands is
 505


For Jam-3:
The number of nodes that blocking_heuristic expands is
 456
The number of nodes that advanced_heuristic expands is
 438


For Jam-4:
The number of nodes that blocking_heuristic expands is
 116
The number of nodes that advanced_heuristic expands is
 71


For Jam-5:
The number of nodes that blocking_heuristic expands is
 660
The number of nodes that advanced_heuristic expands is
 593


For Jam-6:
The number of nodes that blocking_heuristic expands is
 584
The number of nodes that advanced_heuristic expands is
 574


For Jam-7:
The number of nodes that blocking_heuristic expands is
 1959
```

The number of nodes that advanced_heuristic expands is
  1880

For Jam-8:
The number of nodes that blocking_heuristic expands is
  796
The number of nodes that advanced_heuristic expands is
  756

For Jam-9:
The number of nodes that blocking_heuristic expands is
  348
The number of nodes that advanced_heuristic expands is
  304

For Jam-10:
The number of nodes that blocking_heuristic expands is
  1491
The number of nodes that advanced_heuristic expands is
  1437

For Jam-11:
The number of nodes that blocking_heuristic expands is
  669
The number of nodes that advanced_heuristic expands is
  635

For Jam-12:
The number of nodes that blocking_heuristic expands is
  591
The number of nodes that advanced_heuristic expands is
  518

For Jam-13:
The number of nodes that blocking_heuristic expands is
  3669
The number of nodes that advanced_heuristic expands is
  3556

For Jam-14:
The number of nodes that blocking_heuristic expands is

3716
The number of nodes that advanced_heuristic expands is
3249

For Jam-15:
The number of nodes that blocking_heuristic expands is
521
The number of nodes that advanced_heuristic expands is
519

For Jam-16:
The number of nodes that blocking_heuristic expands is
1849
The number of nodes that advanced_heuristic expands is
1773

For Jam-17:
The number of nodes that blocking_heuristic expands is
1821
The number of nodes that advanced_heuristic expands is
1723

For Jam-18:
The number of nodes that blocking_heuristic expands is
1325
The number of nodes that advanced_heuristic expands is
1111

For Jam-19:
The number of nodes that blocking_heuristic expands is
463
The number of nodes that advanced_heuristic expands is
451

For Jam-20:
The number of nodes that blocking_heuristic expands is
394
The number of nodes that advanced_heuristic expands is
313

For Jam-21:

The number of nodes that blocking_heuristic expands is 241
The number of nodes that advanced_heuristic expands is 221

For Jam-22:
The number of nodes that blocking_heuristic expands is 2568
The number of nodes that advanced_heuristic expands is 2386

For Jam-23:
The number of nodes that blocking_heuristic expands is 1398
The number of nodes that advanced_heuristic expands is 1353

For Jam-24:
The number of nodes that blocking_heuristic expands is 4023
The number of nodes that advanced_heuristic expands is 3910

For Jam-25:
The number of nodes that blocking_heuristic expands is 6564
The number of nodes that advanced_heuristic expands is 6348

For Jam-26:
The number of nodes that blocking_heuristic expands is 3897
The number of nodes that advanced_heuristic expands is 3862

For Jam-27:
The number of nodes that blocking_heuristic expands is 2282
The number of nodes that advanced_heuristic expands is 2215

For Jam-28:
The number of nodes that blocking_heuristic expands is
 1250
The number of nodes that advanced_heuristic expands is
 1130

For Jam-29:
The number of nodes that blocking_heuristic expands is
 4231
The number of nodes that advanced_heuristic expands is
 4213

For Jam-30:
The number of nodes that blocking_heuristic expands is
 1049
The number of nodes that advanced_heuristic expands is
 1015

For Jam-31:
The number of nodes that blocking_heuristic expands is
 3637
The number of nodes that advanced_heuristic expands is
 3624

For Jam-32:
The number of nodes that blocking_heuristic expands is
 507
The number of nodes that advanced_heuristic expands is
 503

For Jam-33:
The number of nodes that blocking_heuristic expands is
 2557
The number of nodes that advanced_heuristic expands is
 2407

For Jam-34:
The number of nodes that blocking_heuristic expands is
 4125
The number of nodes that advanced_heuristic expands is
 4115

For Jam-35:
The number of nodes that blocking_heuristic expands is
 3804
The number of nodes that advanced_heuristic expands is
 3775

For Jam-36:
The number of nodes that blocking_heuristic expands is
 2047
The number of nodes that advanced_heuristic expands is
 1966

For Jam-37:
The number of nodes that blocking_heuristic expands is
 1856
The number of nodes that advanced_heuristic expands is
 1846

For Jam-38:
The number of nodes that blocking_heuristic expands is
 3034
The number of nodes that advanced_heuristic expands is
 2999

For Jam-39:
The number of nodes that blocking_heuristic expands is
 3512
The number of nodes that advanced_heuristic expands is
 3493

For Jam-40:
The number of nodes that blocking_heuristic expands is
 2621
The number of nodes that advanced_heuristic expands is
 2450

Process finished with exit code 0