```
1 /Library/Java/JavaVirtualMachines/adoptopenjdk-8.
  jdk/Contents/Home/bin/java -javaagent:/Applications
  /IntelliJ IDEA.app/Contents/lib/idea_rt.jar=49401:/
  Applications/IntelliJ IDEA.app/Contents/bin -Dfile.
  encoding=UTF-8 -classpath /Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/charsets.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/ext/cldrdata.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/ext/dnsns.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/ext/jaccess.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/ext/localedata.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/ext/nashorn.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/ext/sunec.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/ext/sunjce_provider.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/ext/sunpkcs11.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/ext/zipfs.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/jce.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/jsse.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/management-agent.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/resources.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/jre/lib/rt.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/lib/dt.jar:/Library/Java/JavaVirtualMachines/
  adoptopenjdk-8.jdk/Contents/Home/lib/jconsole.jar:/
  Library/Java/JavaVirtualMachines/adoptopenjdk-8.jdk
  /Contents/Home/lib/sa-jdi.jar:/Library/Java/
  JavaVirtualMachines/adoptopenjdk-8.jdk/Contents/
  Home/lib/tools.jar:/Users/alluriramgopalvarma/
  Downloads/PSA/out/production/PSA edu.neu.info6205.
  randomwalk.RandomWalk 30 50 100
```

```
 2 30  steps: 5.4670867346293806 over 15 experiments
 3 30  steps: 5.037436160982066 over 15 experiments
 4 30  steps: 5.687556945233285 over 15 experiments
 5 30  steps: 5.968187271236957 over 15 experiments
 6 30  steps: 5.456264011269851 over 15 experiments
 7 30  steps: 4.747260469350875 over 15 experiments
 8 30  steps: 4.931839095601408 over 15 experiments
 9 30  steps: 3.9443718159712398 over 15 experiments
10 30  steps: 4.608212650487114 over 15 experiments
11 30  steps: 4.597633403754727 over 15 experiments
12 30  steps: 5.449857048574435 over 15 experiments
13 30  steps: 4.227719886649166 over 15 experiments
14 30  steps: 4.444843994795628 over 15 experiments
15 30  steps: 5.022242357602434 over 15 experiments
16 30  steps: 4.232912702358386 over 15 experiments
17 Distacne (d) ≈ Sqrt(m)
18
19 50  steps: 5.6937101166554173 over 15 experiments
20 50  steps: 6.804808104327685 over 15 experiments
21 50  steps: 6.121161193111508 over 15 experiments
22 50  steps: 5.943364507094677 over 15 experiments
23 50  steps: 6.010010720351515 over 15 experiments
24 50  steps: 5.82566456169543 over 15 experiments
25 50  steps: 6.706302157015421 over 15 experiments
26 50  steps: 5.705024058981047 over 15 experiments
27 50  steps: 6.210504083701183 over 15 experiments
28 50  steps: 5.705556594381624 over 15 experiments
29 50  steps: 6.8152530218200535 over 15 experiments
30 50  steps: 6.7900932720692335 over 15 experiments
31 50  steps: 6.7700103962793445 over 15 experiments
32 50  steps: 6.864015581931315 over 15 experiments
33 50  steps: 6.152905000361141 over 15 experiments
34 Distacne (d) ≈ Sqrt(m)
35
36 100  steps: 9.425952530941151 over 15 experiments
37 100  steps: 9.072378740535 over 15 experiments
38 100  steps: 9.591360645069793 over 15 experiments
39 100  steps: 7.994601375175325 over 15 experiments
40 100  steps: 9.563692073910223 over 15 experiments
41 100  steps: 10.173539886830286 over 15 experiments
42 100  steps: 10.030129726024029 over 15 experiments
43 100  steps: 9.12424974482304 over 15 experiments
44 100  steps: 11.246923918836277 over 15 experiments
45 100  steps: 9.359788352570956 over 15 experiments
```

```
46 100 steps: 6.917583281731185 over 15 experiments
47 100 steps: 9.762883246869523 over 15 experiments
48 100 steps: 8.655001963829344 over 15 experiments
49 100 steps: 7.795186250068372 over 15 experiments
50 100 steps: 11.042300100251747 over 15 experiments
51 Distacne (d) ≈ Sqrt(m)
52
53
54 Process finished with exit code 0
55
```