

Documentation

Steps for 4 Disks:

Begin plan

1 (movetomiddle d1 d2 o)
2 (movefrommiddle d1 o c)
3 (movetomiddle d2 d3 o)
4 (movefrommiddle d2 o b)
5 (movetomiddle d1 c o)
6 (movefrommiddle d1 o d2)
7 (movetomiddle d3 d4 o)
8 (movefrommiddle d3 o c)
9 (movetomiddle d4 a o)
10 (movetomiddle d3 c d4)
11 (movefrommiddle d3 d4 a)
12 (movefrommiddle d4 o c)
13 (movetomiddle d3 a o)
14 (movetomiddle d1 d2 d3)
15 (movefrommiddle d1 d3 a)
16 (movefrommiddle d3 o d4)
17 (movetomiddle d2 b o)
18 (movefrommiddle d2 o d3)
19 (movetomiddle d1 a o)
20 (movefrommiddle d1 o d2)

End plan

20 total actions in plan
0 entries in hash table,
19 total set-creation steps (entries + hits + plan length - 1)
0 actions tried

#####

Total elapsed time: 0.46 seconds

Time in milliseconds: 461

#####

Steps for 5 Disks:

Begin plan

1 (movetomiddle d1 d2 o)
2 (movefrommiddle d1 o b)
3 (movetomiddle d2 d3 o)
4 (movefrommiddle d2 o c)
5 (movetomiddle d3 d4 o)
6 (movetomiddle d1 b d3)
7 (movefrommiddle d1 d3 d4)
8 (movefrommiddle d3 o b)
9 (movetomiddle d2 c o)
10 (movefrommiddle d2 o d3)
11 (movetomiddle d1 d4 o)
12 (movefrommiddle d1 o d2)
13 (movetomiddle d4 d5 o)
14 (movefrommiddle d4 o c)
15 (movetomiddle d5 a o)
16 (movetomiddle d4 c d5)
17 (movefrommiddle d4 d5 a)
18 (movefrommiddle d5 o c)
19 (movetomiddle d4 a o)
20 (movefrommiddle d4 o d5)
21 (movetomiddle d1 d2 o)
22 (movefrommiddle d1 o d4)
23 (movetomiddle d2 d3 o)
24 (movefrommiddle d2 o a)
25 (movetomiddle d3 b o)
26 (movetomiddle d1 d4 d3)
27 (movefrommiddle d1 d3 b)
28 (movefrommiddle d3 o d4)
29 (movetomiddle d2 a o)
30 (movefrommiddle d2 o d3)
31 (movetomiddle d1 b o)
32 (movefrommiddle d1 o d2)

End plan

32 total actions in plan
0 entries in hash table,
31 total set-creation steps (entries + hits + plan length - 1)
0 actions tried

#####

Total elapsed time: 1 minutes, 13 seconds

Time in milliseconds: 73412

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For 6 disks the planner is not getting finished even after it runs for 4 hours. Maximum steps reached at the end of four hours is 44. Expected solution is 48 steps.