**Stepping Stones II – Solution**

The solution is extremely specific:

Start –

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D |  | 1 | 2 | 3 | 4 |

1. D moves forward to the empty mat
2. 1 moves around D to the empty mat
3. 2 moves forward to the empty mat
4. D moves around 2 to the empty mat
5. C moves around 1
6. B moves forward to the empty mat
7. 1 moves around B
8. 2 moves around C
9. 3 moves around D
10. 4 moves forward to an empty mat
11. D moves around 4 (D is now in his finishing position)
12. C moves around 3
13. B moves around 2
14. A moves around 1
15. 1 moves forward (1 finishes)
16. 2 moves around A (2 finishes
17. 3 moves around B
18. 4 moves around C
19. C moves forward (C finishes)
20. B moves around 4 (B finishes)
21. A moves around 3
22. 3 moves forward (3 finishes)
23. 4 moves around A (4 finishes)
24. A moves forward – task complete!

Finish –

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 |  | A | B | C | D |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Start | A | B | C | D |  | 1 | 2 | 3 | 4 |
| 1 | A | B | C |  | D | 1 | 2 | 3 | 4 |
| 2 | A | B | C | 1 | D |  | 2 | 3 | 4 |
| 3 | A | B | C | 1 | D | 2 |  | 3 | 4 |
| 4 | A | B | C | 1 |  | 2 | D | 3 | 4 |
| 5 | A | B |  | 1 | C | 2 | D | 3 | 4 |
| 6 | A |  | B | 1 | C | 2 | D | 3 | 4 |
| 7 | A | 1 | B |  | C | 2 | D | 3 | 4 |
| 8 | A | 1 | B | 2 | C |  | D | 3 | 4 |
| 9 | A | 1 | B | 2 | C | 3 | D |  | 4 |
| 10 | A | 1 | B | 2 | C | 3 | D | 4 |  |
| 11 | A | 1 | B | 2 | C | 3 |  | 4 | D |
| 12 | A | 1 | B | 2 |  | 3 | C | 4 | D |
| 13 | A | 1 |  | 2 | B | 3 | C | 4 | D |
| 14 |  | 1 | A | 2 | B | 3 | C | 4 | D |
| 15 | 1 |  | A | 2 | B | 3 | C | 4 | D |
| 16 | 1 | 2 | A |  | B | 3 | C | 4 | D |
| 17 | 1 | 2 | A | 3 | B |  | C | 4 | D |
| 18 | 1 | 2 | A | 3 | B | 4 | C |  | D |
| 19 | 1 | 2 | A | 3 | B | 4 |  | C | D  |
| 20 | 1 | 2 | A | 3 |  | 4 | B | C | D  |
| 21 | 1 | 2 |  | 3 | A | 4 | B | C | D  |
| 22 | 1 | 2 | 3 |  | A | 4 | B | C | D  |
| 23 | 1 | 2 | 3 | 4 | A |  | B | B | D  |
| Finish | 1 | 2 | 3 | 4 |  | A | B | C | D |