|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| <step> | Set S | A | B | C | D | E | F | G | H | I |
| initialization | {} | 0/nil | ∞/nil | ∞/nil | ∞/nil | ∞/nil | ∞/nil | ∞/nil | ∞/nil | ∞/nil |
| 1 | {A} |  | 2/A | 5/A | 15/A | ∞/nil | ∞/nil | ∞/nil | ∞/nil | ∞/nil |
| 2 | {A,B} |  |  | 1/B | 15/A | ∞/nil | 50/B | ∞/nil | 40/B | ∞/nil |
| 3 | {A,B,C} |  |  |  | 10/C | 57/C | 45/C | ∞/nil | 40/B | ∞/nil |
| 4 | {A,B,C,D} |  |  |  |  | 45/D | 45/C | ∞/nil | 40/B | 5/D |
| 5 | {A,B,C,D,I} |  |  |  |  | 45/D | 45/C | 2/I | 11/I |  |
| 6 | {A,B,C,D,G,I} |  |  |  |  | 30/G | 8/G |  | 11/I |  |
| 7 | {A,B,C,D,F,G,I} |  |  |  |  | 15/F |  |  | 7/F |  |
| 8 | {A,B,C,D,F,G,H,I} |  |  |  |  | 15/F |  |  |  |  |
| 9 | {A,B,C,D,E,F,G,H,I} |  |  |  |  |  |  |  |  |  |