

Elevator Solutions

Please let us know if you have a solution in fewer moves!

Elevators #3, November 2007

Prime Elevator

1. In 8 moves from 50 to 55, 66, 71, 54, 59, 70, 68 and 51.
2. In 7 moves from 5 to 10, 21, 26, 37, 20, 18 and the first floor.
3. In 7 moves from 100 to 83, 88, 71, 82, 87, 98 and 96.

Fibonacci Elevator Again!

4. In 8 moves from 80 to 72, 77, 69, 90, 82, 87, 79 and 100.
5. In 8 moves from 100 to 92, 97, 89, 76, 81, 73, 94 and 99.
6. In 14 moves from 11 to 16, 8, 13, 5, 10, 2, 23, 28, 20, 7, 12, 4, 9 and the first floor.

Elevators #2, July 2007

Square Elevator

1. From 100, visit floors 84, 75, 79, 63, 67 and 92.
2. From 24, visit floors 15, 40, 31, 35, 26, 10 and 1.
3. From the first floor, visit floors 26, 17, 21, 12, 16, 7, 11 and 2.

Fibonacci Elevator

4. From the 2nd floor visit floors 10, 5, 13, 8, 16, 11, 19, 14, 22 and 1.
5. From 50 visit floors 45, 24, 19, 32, 27, 35 and 30.
6. From the first floor visit floors 14, 22, 35, 43, 56, 64, 77, 85, 80, 88, 83, 91, 86, 94, 89, 97, 92 and 100.

Elevators #1, February 2007

Five-Star Elevator

1. Visit floors 65, 77, 99, 64, 76 and 98.
2. Visit floors 20, 32 and 27.
3. Visit floors 27, 22, 34, 29, 41, 36 and 1.

Power Elevator

4. Visit floors 32, 24, 51, 42, 34, 25, 17 and 8.
5. Visit floors 28, 32, 59, 63, 90, 82, 73 and 100.
6. Visit floors 29, 33, 60, 52, 43, 35, 26, 18, 9 and 1.