**1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | **X** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | **X** |  |  |  |
|  |  |  |  |  |  |  |  | **x** |  |  |  |  | **X** |  |  |  |
|  |  |  |  |  |  |  |  | **X** |  |  |  |  | **X** |  |  |  |
|  |  |  |  |  |  |  |  | **X** |  |  |  |  | **X** |  |  |  |
|  |  |  |  |  |  |  |  | **X** |  |  |  |  | **X** |  |  |  |
|  |  |  |  |  |  |  |  | **X** |  |  |  |  | **X** |  |  |  |
|  |  |  |  |  |  |  |  | **X** |  |  |  |  | **X** |  |  |  |
|  |  |  |  |  |  |  |  | **X** |  |  |  |  | **X** |  |  |  |
|  |  |  |  |  |  |  |  | **X** | **X** | **X** | **X** | **X** | **X** |  |  |  |

**1**

**2**

**3**

**4**

**5**

**6**

**7**

**8**

**9**

**10**

**11**

**12**

**13**

**14**

**15**

**MOVE 1 x 1 times**

**MOVE 0 X 100 times**

**OUTPUT: 8**

**MOVE 0 X 7 times**

**MOVE 1 X 10 times**

**OUTPUT: 15**

**MOVE 0 X 1 times**

**MOVE 1 X 1 times**

**MOVE 2 X 1 times**

**MOVE 3 X 1 times**

**OUTPUT: 4**

**MOVE 3 X 11 times**

**MOVE 0 X 15 times**

**OUTPUT: 15**

**MOVE 2 X 10 times**

**MOVE 1 X 5 times**

**MOVE 0 X 10 times**

**MOVE 3 X 10 times**

**OUTPUT: 32**