**Problem 2**

|  |  |
| --- | --- |
| **Input** | **Output** |
| 5  1 X 7 9 11  X 14 46 62 0  15 33 21 95 X  P 14 3 4 18  9 20 33 X 0  right  right  up  up  left  down | You won! You**'**ve collected 131 coins.  Your path:  [3, 1]  [3, 2]  [2, 2]  [1, 2]  [1, 1]  [2, 1] |
| 8  13 18 9 7 24 41 52 11  54 21 19 X 6 4 75 6  76 5 7 1 76 27 2 37  92 3 25 37 52 X 56 72  15 X 1 45 45 X 7 63  1 63 P 2 X 43 5 1  48 19 35 20 100 27 42 80  73 88 78 33 37 52 X 22  up  left | Game over! You**'**ve collected 0 coins.  Your path:  [4, 2] |

### Examples