

Question 2

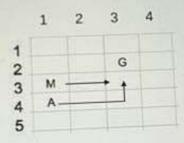
A monster (M) will be introduced in the dungeon. The monster's aim is to prevent the adventurer from getting the gold. It will move in the best way possible to achieve this (i.e. if the monster can reach gold before the adventurer, then the monster can prevent the adventurer from getting gold). The monster will move only after the adventurer makes his move.

Note:-

- 1) The monster may or may not move every turn(every time the adventurer moves).
- 2) 8oth the monster and the adventurer know each other's location.

Task. To find the minimum no of moves, so that the adventurer can reach the gold without dying.

Examples,



In the given example, by the time the adventurer tries to reach the gold, the monster would have killed the adventurer. When the adventurer starts from (4.1) and reaches (3.3), the monster would have reached that location (3.3) already and then kill our adventurer. Even if the adventurer tries to move around the monster, he'll never reach the gold. So, in this scenario there is no possible solution.

