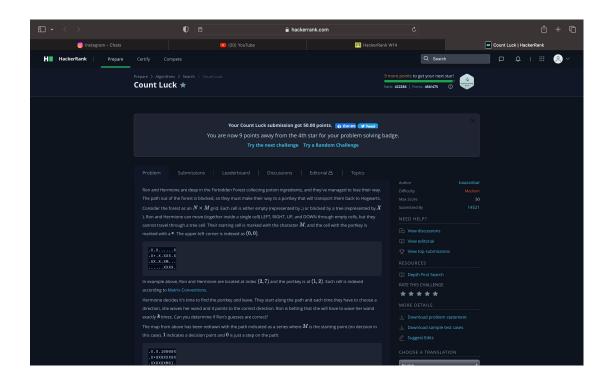
## **Advanced Programming Practices**

## Hackerrank Week-14

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Ques 1: Count Luck

**Problem:** 



## Code:

```
def search(g, m, n, i, j, c = 0):
    if g[i][j] == '*':
        return c
    g[i][j] = 0
    moves = getmoves(g, m, n, i, j)
    if len(moves) > 1:
        c += 1
    for mv in moves:
        res = search(g, m, n, mv[0], mv[1], c)
        if res != None:
        return res
```

```
return None

def getmoves(g, m, n, i, j):
    l, v = [], ('.', '*')
    if i > 0 and g[i - 1][j] in v:
        l.append((i - 1, j))
    if j > 0 and g[i][j - 1] in v:
        l.append((i, j - 1))
    if i < m - 1 and g[i + 1][j] in v:
        l.append((i + 1, j))
    if j < n - 1 and g[i][j + 1] in v:
        l.append((i, j + 1))
    return l</pre>
```

**Output:** 

