Note that for a given (r, c)

the following code will not be executed more than once :

```
memo[r][c] = V[r][c] + min(findMinPath(V, r + 1, c), findMinPath(V, r, c + 1));
```

Once memo[r][c] is set, the functions will return at

```
if (memo[r][c] != -1) return memo[r][c];
```

So, every function ends up calling other functions at most 1 time. In other words, every function ends up executing atmost O(1) times (Note that you can shift the part about checking for memo[r][c]!= -1 at the callsite).

O(R * C) possible number of combinations are possible for (r, c) Hence, the time complexity of the function : O(R*C)