

Question 1 :

```
def nb_chemins_rekursif_memo(n, m, memo):
    if n == 0 or m == 0:
        return 1
    elif memo[n][m] != 1:
        return memo[n][m]
    else:
        memo[n][m] = (nb_chemins_rekursif_memo(n - 1, m, memo)
                     + nb_chemins_rekursif_memo(n, m - 1, memo))
        return memo[n][m]

def nb_chemins_rekursif_memoise(n, m):
    memo = [ [1]*(m+1) for _ in range(n+1)]
    return nb_chemins_rekursif_memo(n, m, memo)
```

Question 2 :

```
def nb_chemins_iteratif_ascendant(n, m):
    memo = [ [1]*(m+1) for _ in range(n+1)]
    for i in range(1, n+1):
        for j in range(1, m+1):
            memo[i][j] = memo[i - 1][j] + memo[i][j - 1]
    return memo[n][m]
```