

Write a Python function to solve the following problem.

Problem:

**Problem
Description**

Write a function to find the minimum cost path to reach (m, n) from (0, 0) for the given cost matrix cost[][] and a position (m, n) in cost[][].

Your function must pass all of these test cases:

Test Cases

```
"assert min_cost([[1, 2, 3], [4, 8, 2], [1, 5, 3]], 2, 2) == 8",  
"assert min_cost([[2, 3, 4], [5, 9, 3], [2, 6, 4]], 2, 2) == 12",  
"assert min_cost([[3, 4, 5], [6, 10, 4], [3, 7, 5]], 2, 2) == 16"
```

Write only the function definition. Do not include test code or explanations.

Code Initiator # Your code here