# 064. Minimum Path Sum

## **064 Minimum Path Sum**

• Dynamic Programming+Array

## **Description**

Given a *m* x *n* grid filled with non-negative numbers, find a path from top left to bottom right which *minimizes* the sum of all numbers along its path.

Note: You can only move either down or right at any point in time.

#### Example 1:

```
[[1,3,1],
[1,5,1],
[4,2,1]]
```

Given the above grid map, return 7. Because the path  $1\rightarrow 3\rightarrow 1\rightarrow 1\rightarrow 1$  minimizes the sum.

## 1. Thought line

### 2. Dynamic Programming+Array