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Question 2:

Suppose $\text{Move}(i,j)$ be the smallest moves from $1,R$ to i,j

Since from every square goes only below or right

Square i,j can only be access if the previous square was $i-1,j$ or $i,j-1$

And we know the basic value $\text{Move}(1,R)$ is 0

Also, let $\text{Number}(i,j)$ be the number at square i,j

So Recursively,

$\text{Move}(i,j)$ can be represent by

If $\text{Number}(i-1,j) < \text{Number}(i,j) \ \&\& \ \text{Number}(i,j-1) < \text{Number}(i,j)$,

$\text{Move}(i,j) == \min(\text{Move}(i-1,j)+1, \text{Move}(i,j-1)+1)$

If $\text{Number}(i-1,j) \geq \text{Number}(i,j) \ \&\& \ \text{Number}(i,j-1) < \text{Number}(i,j)$,

$\text{Move}(i,j) == \min(\text{Move}(i-1,j), \text{Move}(i,j-1)+1)$

If $\text{Number}(i-1,j) < \text{Number}(i,j) \ \&\& \ \text{Number}(i,j-1) \geq \text{Number}(i,j)$,

$\text{Move}(i,j) == \min(\text{Move}(i-1,j)+1, \text{Move}(i,j-1))$

If $\text{Number}(i-1,j) \geq \text{Number}(i,j) \ \&\& \ \text{Number}(i,j-1) \geq \text{Number}(i,j)$,

$\text{Move}(i,j) == \min(\text{Move}(i-1,j), \text{Move}(i,j-1))$

until it reach $\text{Move}(1,R)$

The smallest one will be $\text{Move}(C,1)$

It takes $O(R*C)$