

Idea :

```

0  if (m == 0 || m == n) return 1.
1  int tmp = C(n-1, m-1).
2  ret = tmp + C(n-1, m)
RET return ret.

```

Implement :  $C(3, 2)$ .

(3,2)	0		

→

(2,1)	0		
(3,2)	1		

→

(1,0)	0		
(2,1)	1		
(3,2)	1		

→

(1,0)	RET		1
(2,1)	1		
(3,2)	1		

ret = 1

→

(2,1)	1		
(3,2)	1		

→

(1,1)	0		
(2,1)	2	1	
(3,2)	1		

→

(1,1)	RET		1
(2,1)	2	1	
(3,2)	1		

→

(1,1)	2	1	
(3,2)	1		

→

(2,1)	RET	1	2
(3,2)	1		

ret = 2

→

(3,2)	1	1	
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→

(2,2)	0		
(3,2)	2	2	

→

(2,1)	RET		1
(3,2)	2	2	

ret = 1

→

(3,2)	2	2	
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→

(3,2)	RET	2	3
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→ ret = 3