

To find $n!$ press button n times
(n between 0 and 5)



n	$n!$
0	1
1	1
2	2
3	6
4	24
5	120

Recursion
Recursion
Recursion
with Memoization

n

$n!$

Recursive
calls
this
round

Total
recursive
calls

[5]

[4]

[3]

[2]

[1]

memo array

To find $n!$ press button n times
(n between 0 and 5)



n

$n!$

n	n!
0	1
1	1
2	2
3	6
4	24
5	120

Recursion
Recursion
Recursion

Recursive
calls
this
round

Total
recursive
calls