

Stack frame:

low mem	param 1 (x)
	param 2 (n)
	space for return value
	r0 of caller
	r1 of caller
	r2 of caller
	r3 of caller
	frame pointer of caller
high mem	link register

of frames for n = ?:

0: 1
1: 2
2: 3
3: 4
4: 4
5: 5
6: 5
7: 6
8: 5
9: 6
10: 6
11: 7
12: 6