

# STACK FRAME

Local variables (y)
Return (ro)
Parameters (r1,r2)
Frame Pointer (fp)
Program Counter (LR)

Stack frames needed to calculate  $X^n$  for the following n values :

n	STACK FRAMES
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