Solution to Practice Problem 2: Trace of A Recursive Procedure Example in Section 3.7.5.

address	Stack Bottom
1004	4
1000	Caller's return address
FFC	Caller's %ebp
FF8	Caller's %ebx
FF4	3
FF0	.R1
FEC	FFC
FE8	4
FE4	2
FE0	.R1
FDC	FEC
FD8	3
FD4	1
FD0	.R1
FCC	FDC
FC8	2
FC4	0
FC0	.R1
FBC	FCC
FB8	1
FB4	
FB0	

%eax	1,3,1,2,1,1,1,0,1,1x1=1, 2x1=2, 3x2=6, 4x6=24
%ebx	4,3,2,1,0,1,2,3,4, caller's ebx
%ebp	FFC,FEC, FDC, FCC, FBC, FCC, FDC,FEC, FFC, caller's ebp
%esp	1000, FFC, FF8, FF4, FF0 FEC, FE8, FE4, FE0 FDC, FD8, FD4, FD0 FCC, FC8, FC4, FC0 FBC, FB8, FB4, FB8 FBC, FC0, FC4, FC8 FCC, FD0, FD4, FD8 FDC, FE0, FE4, FE8 FEC, FF0, FF4, FF8 FFC, 1000, 1004