Assembly programmer's model of a computer

(All registers and memory locations are 4 bytes wide)

	Register bank		•	Stack		Data memory
R0		A1	0x1074	CALLER-Ir	0x007C	
R1		A2		CALLER-r4		
R2		A3	0x106C			
R3	0X0006	A4	0x1068		↓	
R4		V1 -	0x1064		•	
R5		V2	0x1060			
R6		V3 .	0x105C			
R7		V4/WR				
R8		V5				
R9		V6/SB				
R10		V7/SL				
R11		V8/FP				
R12		IP :				
R13	0x00001073	SP				
R14	CALLER-Ir	LR				
R15	0X0010	PC -				
ا ممت]				
SPR						
0		0 :				
N = 0	Z = 0 $C = 0$	V = 0				
IR]				
ilZ		J			0x000C	
MAR]	0x1000		0x0008	
					0x0004	
MDR			•		0x0000	0X0006

COMMENTS: