

# U. S. GOVERNMENT

He had never used assembly language, but these instructions seemed simple enough. But they seemed to encode something much more relevant to the inner workings of the government.

0x0788		$2 \rightarrow R_1$	$\longrightarrow$	$\overline{7}$	—	—	—	$\overline{8}$	$\overline{5}$
0x078c		JMP $L_1$							
0x0790		$0 \rightarrow R_1$							
0x0794		ADD $R_1 R_1 R_1$							
0x0798	$L_1$ :	BNE $R_1$							
0x079c		$\text{SUB } R_1 R_1 R_2$	$\longrightarrow$		—	—	$\overline{4}$	—	$\overline{9}$ —
0x07a0		BGE $R_1$							
0x07a4		JMP $L_2$							
0x07a8		$1 \rightarrow R_2$							
0x07ac		ADD $R_1 R_2 R_1$							
0x07b0		BEQ $R_1$							
0x07b4		$0 \rightarrow R_2$							
0x07b8		$3 \rightarrow R_3$	$\longrightarrow$	$\overline{1}$	—	—	$\overline{10}$		
0x07bc		JMP $L_2$							
0x07c0		$\text{BNE } R_3$	$\longrightarrow$	—	$\overline{6}$	—	$\overline{3}$	—	—
0x07c4	$L_2$ :	SUB $R_3 R_1 R_3$							
0x07c8		$\text{BEQ } R_3$	$\longrightarrow$	—	—	$\overline{2}$	—	—	—
0x07cc		XOR $R_1 R_1 R_1$							
0x07d0		STOP							

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