

Y86 Instruction Set

Byte	0	1	2	3	4	5
nop	0	0				
halt	1	0				
rrmovl rA, rB	2	0	rA	rB		
irmovl V, rB	3	0	8	rB	V	
rmmovl rA, D(rB)	4	0	rA	rB	D	
mrmovl D(rB), rA	5	0	rA	rB	D	
Op1 rA, rB	6	fn	rA	rB		
jXX Dest	7	fn	Dest			
call Dest	8	0	Dest			
ret	9	0				
pushl rA	A	0	rA	8		
popl rA	B	0	rA	8		

addl 6 0

subl 6 1

andl 6 2

xorl 6 3

jmp 7 0

jle 7 1

j1 7 2

je 7 3

jne 7 4

jge 7 5

jg 7 6

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CS:APP