

1/30/2015 MPLAB Simulator: Test Program for 16F690 (DIV32)

Clock (Hz):	4,000,000
InstRate (secs): (F _{osc} /4)	0.000001

		Test Case				
Preload Values		1	2	3	4	5
Years:		0	0	1	5	10
Days:		1	0	364	364	364
Hours:		0	23	23	23	23
Minutes:		0	59	59	59	59
Seconds:		0	59	59	59	59
AB:		0001	0001	03C2	0B47	14AD
CD:		5180	517F	66FF	34FF	367F
Total Secs:		86,400	86,399	63,071,999	189,215,999	346,895,999
		Execution				
Include (0=N,1=Y)		Instruction Cycles			Instruction Cycles	
1	Load (AB:CD):	7	7	7	7	7
1	Gosub HMS:	3	3	3	3	3
1	owDays:	980	831	76,540	227,721	416,761
1	owHH:	450	2,705	2,705	2,705	2,705
1	owMM:	393	363	363	363	363
1	owSS:	394	364	364	364	364
1	Return from HMS:	2	2	2	2	2
TOTALS:		Inst (cycles):	2,229	4,275	79,984	231,165
		Time (secs):	0.002229	0.004275	0.079984	0.231165