

		Expected @ Stage					Expected Values For Validation				
PC	PC HE X	1	2	3	4	5	"6"	Observed Stage (4->5) CCR_OUT [N, Z, V, C]	Expected Results (Decimal)	Expected Results (Hexadecimal)	IR_Out
1	1		PC<=1 IR<=004003A3				R[1]<=14	C	R1=14	R1=E	00 40 03A3
2	2		PC<=2 IR<=04C007E3				R[19]<=31	C	R19=31	R19=1F	04 C0 07E3
3	3		PC<=3 IR<=98340680	CARRY_FLAG<=0			R[26]<=62+1	-	R26=62+1	R2=3E	98 34 0680
4	4		PC<=4 IR<=052AF362				R[20]<=43981	-	R20=-21555	R20=FFFFABCD	05 2A F362
5	5		PC<=5 IR<=A02A0680	CARRY_FLAG<=1			R[21]<=4294924187	C	R21=-43,109	R21=FFFFABB8	A0 2A 0680
6	6		PC<=6 IR<=D02C0640				R[22]<=31	C	R22=31	R22=1F	D0 2C 0640
7	7		PC<=7 IR<=08001040				PC<=14	-	PC<=14 R30=7	PC<=E R30=7	08 00 1040
15	F		PC<=15 IR<=9E400741				R[25]<=60	-	R25=60	R25=3C	9E 40 0741
16	10		PC<=16 IR<=C8000F04				R[0]<=60-60	-	R0=0	R0=0	C8 00 0F04
17	11		PC<=17 IR<=05001D90		RM<=R[20]	MEM[118]<=-21555	-	-	M118=-21555	M118=FFFFABCD	05 00 1D90
18	12		PC<=18 IR<=98001000				PC<=31	-	PC=31	PC=1F	98 00 1000
32	20		PC<=32 IR<=A1800FC8				R[6]<=13	-	R6=13	R6=D	A1 80 0FC8
33	21		PC<=33 IR<=31C00709				R[7]<=29	-	R7=29	R7=1D	31 C00709
34	22		PC<=34 IR<=3D000C91		RM<=R[7]+5 0	MEM[79]<=-21555	-	-	M79=-21555	M79=FFFFABCD	3D 00 0C91
35	23		PC<=35 IR<=02001DA1				R[8]<=MEM[118]	-	R8=-21555	R8=FFFFABCD	02 00 1DA1
36	24		PC<=36 IR<=038013E0				R[14]<=MEM[79]	-	R14=-21555	R14=FFFFABCD	03 80 13E0
37	25		PC<=37 IR<=F00010C0				PC<=7	-	PC=7	PC=7	F0 00 10C0
8	8		PC<=8 IR<=0000003F				NOP	-	NOP	NOP	00 00 003F
9	9		PC<=9 IR<=000002B1				PC<=18 R[30]<=9	-	PC<=18 R30=9	PC<=12 R30=9	000002B1
19	13		PC<=19 IR<=CF0000E1				R28<=0	-	R28=0	R28=0	CF 00 00E1
20	14		PC<=20 IR<=E03A0300				R29<=-1	-	R29=-1	R29=FFFFFFFF	E0 3A 0300
21	15		PC<=21 IR<=EF360040				R27<=-1	-	R27=-1	R27=FFFFFFFF	EF 36 0040
22	16		PC<=22 IR<=E000020A				PC<=29	-	PC=29	PC=1D	E0 00 020A
30	1E		PC<=30 IR<=00380800				R28<=0	-	R28=0	R28=0	00 38 0800
31	1F		PC<=31 IR<=FFFFFFE30				PC<=22	-	PC=22	PC=16	FF FF FE30
23	17		PC<=23 IR<=E6C000CC				-	-	PC=23	PC=17	E6 C0 00CC
24	18		PC<=24 IR<=DF00014F				-	-	PC=24	PC=18	DF 00 014F
25	19		PC<=25 IR<=E6C0008A				PC<=26	-	PC=26	PC=1A	E6 C0 008A
27	1B		PC<=27 IR<=F00010C0				PC<=9	-	PC=9	PC=9	F0 00 10C0
10	A		PC<=10 IR<=02C00F61				R[11]<=0	-	R11=0	R11=0	02 C0 0F61
11	B		PC<=11 IR<=5B296809				R[12]<=42400	-	R12=42400	R12=FFFA5A0	5B 29 6809
12	C		PC<=12 IR<=5B696808				R[13]<=0	-	R13=0	R13=0	5B 69 6808
13	D		PC<=13 IR<=A2448D0B				R[9]<=-17927	-	R9=-17927	R9=FFFFB9F9	A2 44 8D06
14	E		PC<=14 IR<=FFFFFFF0				PC<=12	-	PC=12	PC=C	FF FF FFFF0
13	D		PC<=13 IR<=A2448D0B				R[9]<=-17927	-	R9=-17927	R9=-4607	A2 44 8D06