

Basic project

Zero flag test:

A = 1110

B = 1110

CC = 110 (minus)

F = 0000

FLAGS: C = 1, S = 0, Z = 1, OVF = 0

Overflow flag test:

A = 1001

B = 1010

CC = 101 (plus)

F = 0011

FLAGS: C = 1, S = 0, Z = 0, OVF = 1

Remaining tests:

Command		Inputs		Output	Flags	
CC	OP	A	B	F	C, S, Z, OVF	
000	A	1010	1011	1010	_, 1, 0, 0	
001	!A	1010	1011	0101	_, 0, 0, 0	
010	A & B	1010	1011	1010	_, 1, 0, 0	
011	A # B	1010	1011	1011	_, 1, 0, 0	
100	A \$ B	1101	1011	0110	_, 0, 0, 0	
101	A + B	1101	1011	1000	1, 1, 0, 0	
110	A - B	1101	1011	0010	1, 0, 0, 0	
111	B	1101	1011	1011	_, 1, 0, 0	