

# Simple Subtract Program

This program subtracts two 8-bit numbers. It computes:

$$A = C - B$$

Preload the arguments into C and B. The answer will be placed in A.

For example:

C:	1001	1101	157
B:	<u>0101</u>	<u>1001</u>	<u>- 89</u>
A:	0100	0100	68

<u>Address</u>	<u>Instruction</u>	
0000 0000	1000 0101	A = NOT B
0000 0001	0000 1000	B = A
0000 0010	1000 0001	A = B+1
0000 0011	0000 1000	B = A
0000 0100	1000 0000	A = B+C
0000 0101	1010 1110	HALT