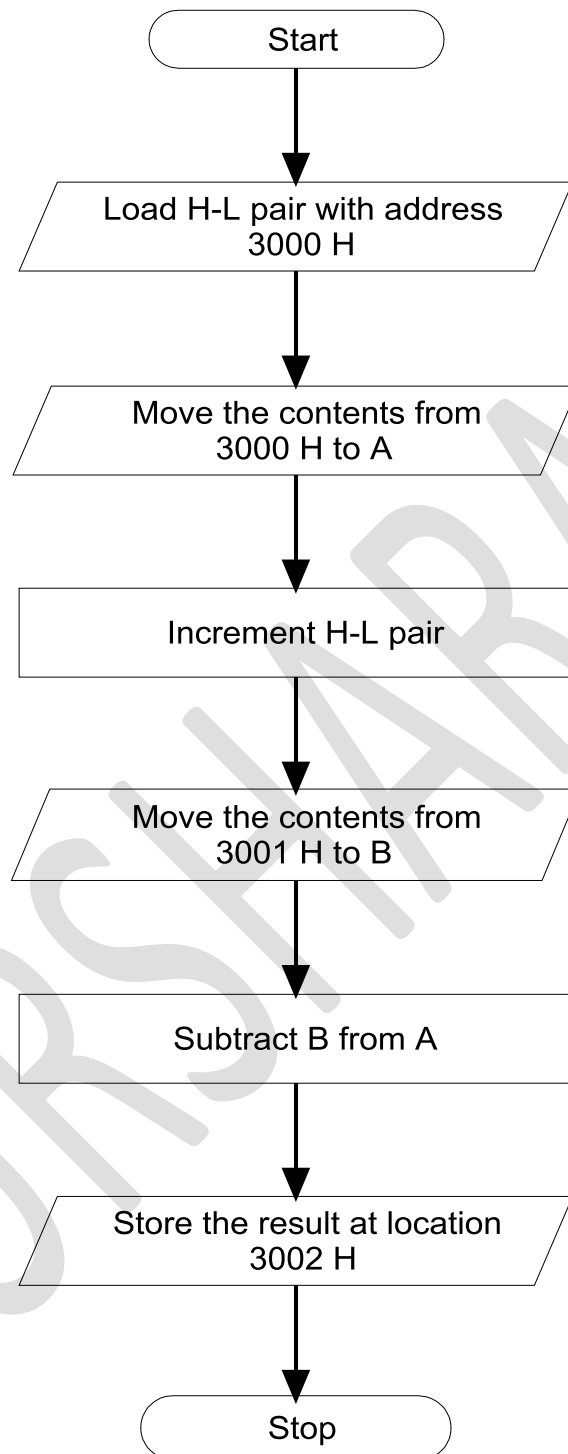


## Flow Chart to Subtract Two 8-bit Numbers Without Borrow



## Program to Subtract Two 8-bit Numbers Without Borrow

Address	Mnemonics	Operand	Opcode	Remarks
2000	LXI	H, 3000 H	21	Load H-L pair with address 3000 H
2001			00	
2002			30	
2003	MOV	A, M	7E	Move the contents from 3000 H to A
2004	INX	H	23	Increment H-L pair
2005	MOV	B, M	46	Move the contents from 3001 H to B
2006	SUB	B	90	Subtract B from A
2007	STA	3002 H	32	Store the result at 3002 H
2008			02	
2009			30	
200A	HLT		76	Halt

### Before Execution:

3000: 05 H

3001: 02 H

### After Execution:

3002: 03 H