

Subtraction of two 8 bit numbers:

The screenshot displays an 8085 assembly simulator interface. The main window shows the assembly code being executed:

```
1 LDA 7600
2 MOV B,A
3 LDA 7601
4 SUB B
5 STA 7602
6 HLT
```

The registers and flags are shown on the left:

Register	Value	Flag
A	03	S 0
BC	06 00	Z 0
DE	00 00	AC 0
HL	00 00	P 1
PSW	00 00	C 0
PC	42 0C	
SP	FF FF	
nt-Reg	00	

The memory window on the right shows the contents of memory locations 7600 to 7617:

Address (Hex)	Address	Data
1DB0	7600	6
1DB1	7601	9
1DB2	7602	3
1DB3	7603	0
1DB4	7604	0
1DB5	7605	0
1DB6	7606	0
1DB7	7607	0
1DB8	7608	0
1DB9	7609	0
1DBA	7610	0
1DBB	7611	0
1DBC	7612	0
1DBD	7613	0
1DBE	7614	0
1DBF	7615	0
1DC0	7616	0
1DC1	7617	0

The I/O Ports window shows the current port value as 00.

The Memory window shows the current memory address as 00.

The Line No. Assembler Message window shows the message: "Program assembled successfully".