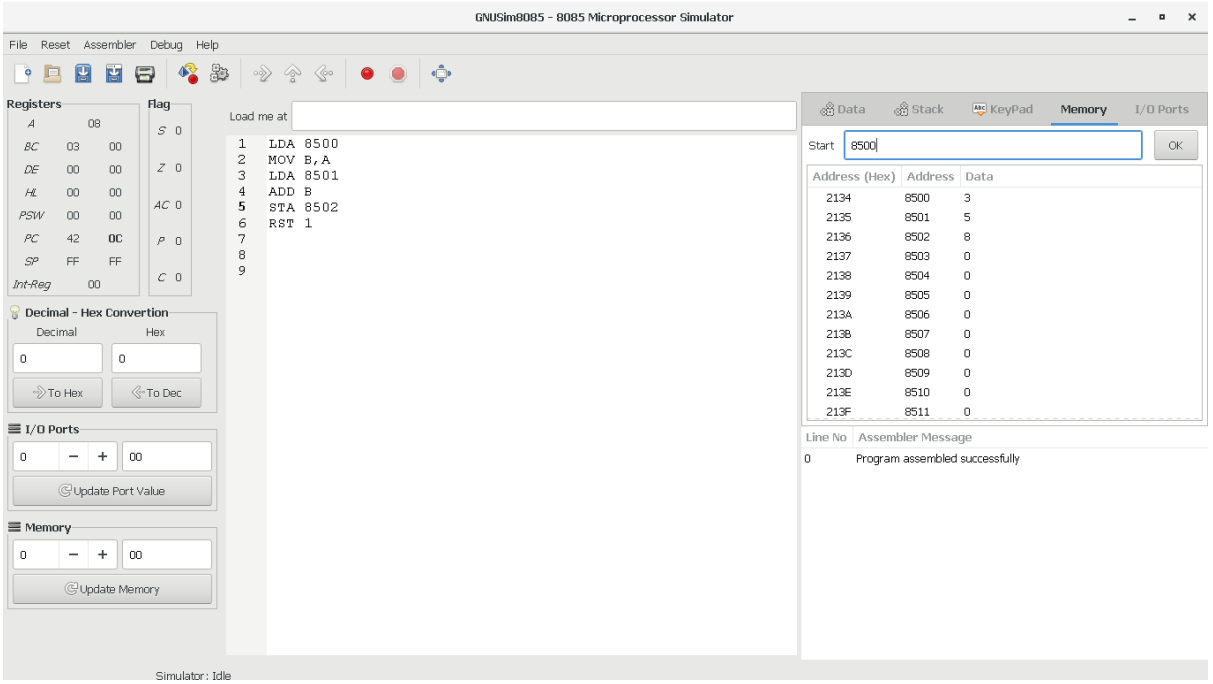
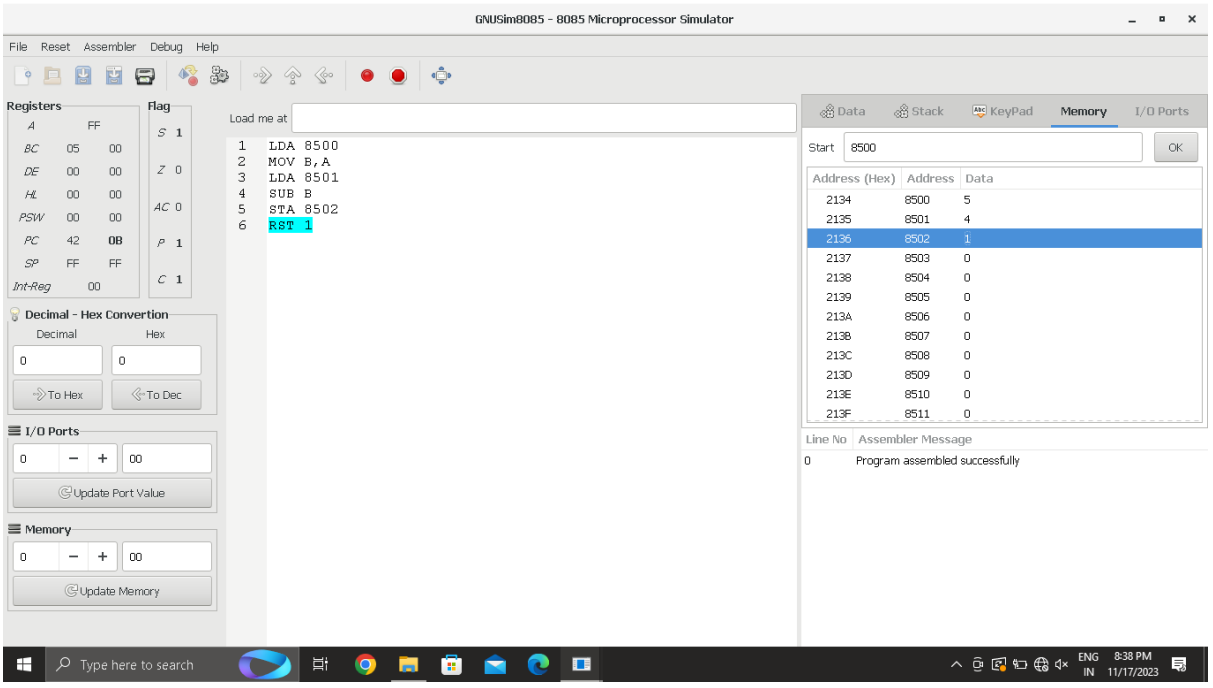
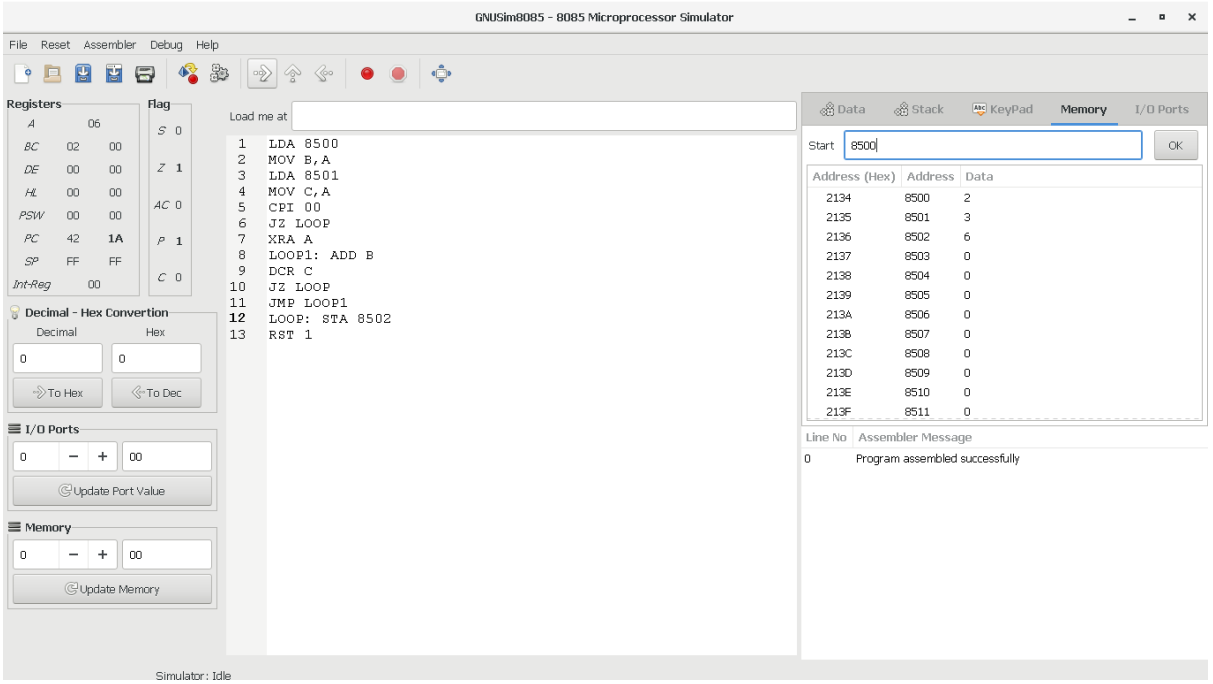
8-ADDITION



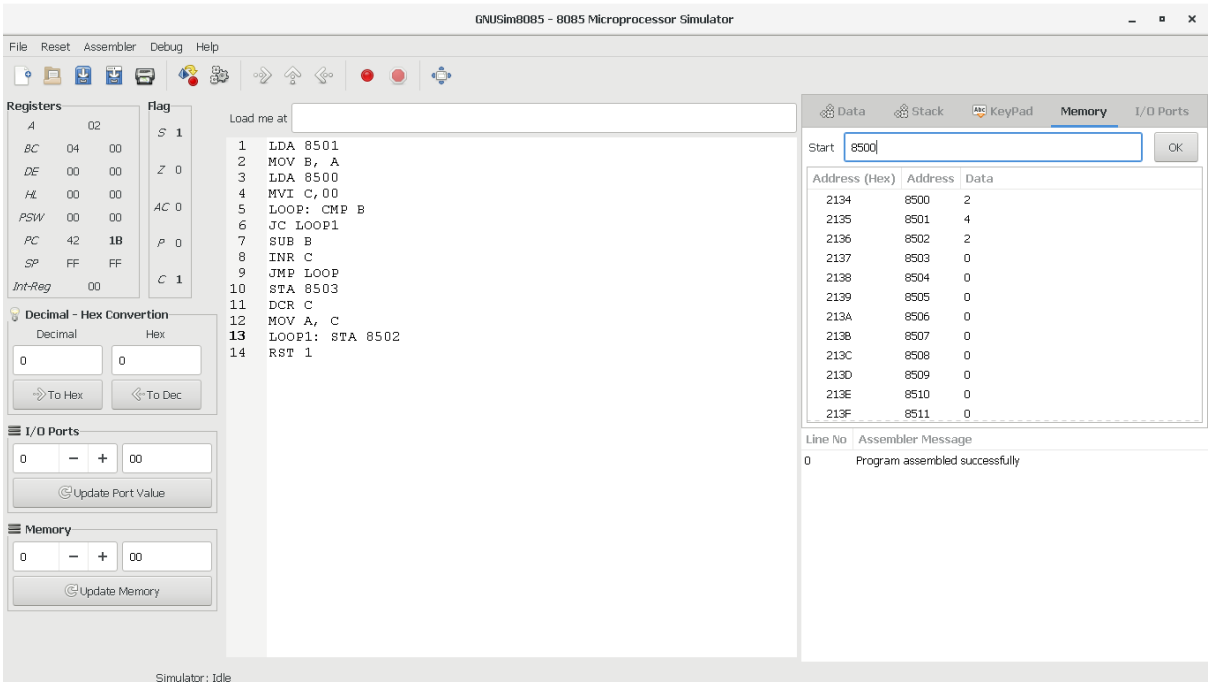
8-BIT SUBTRACTION



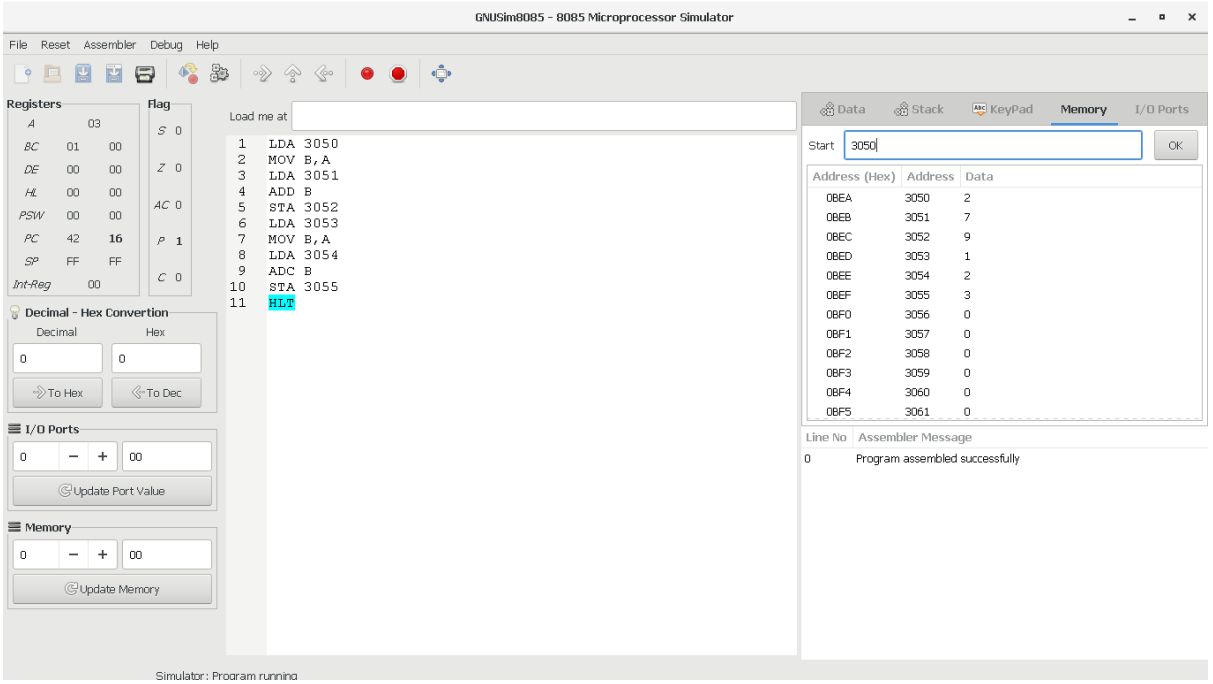
8-BIT MULTIPLICATION



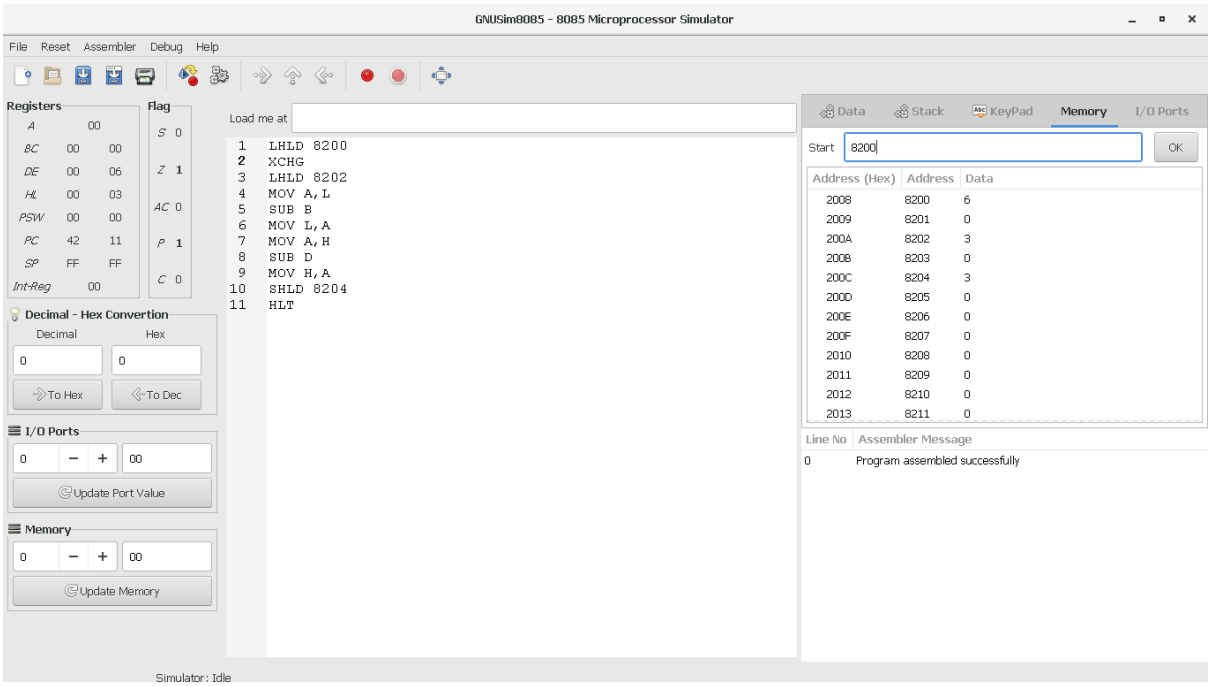
8-BIT DIVISION



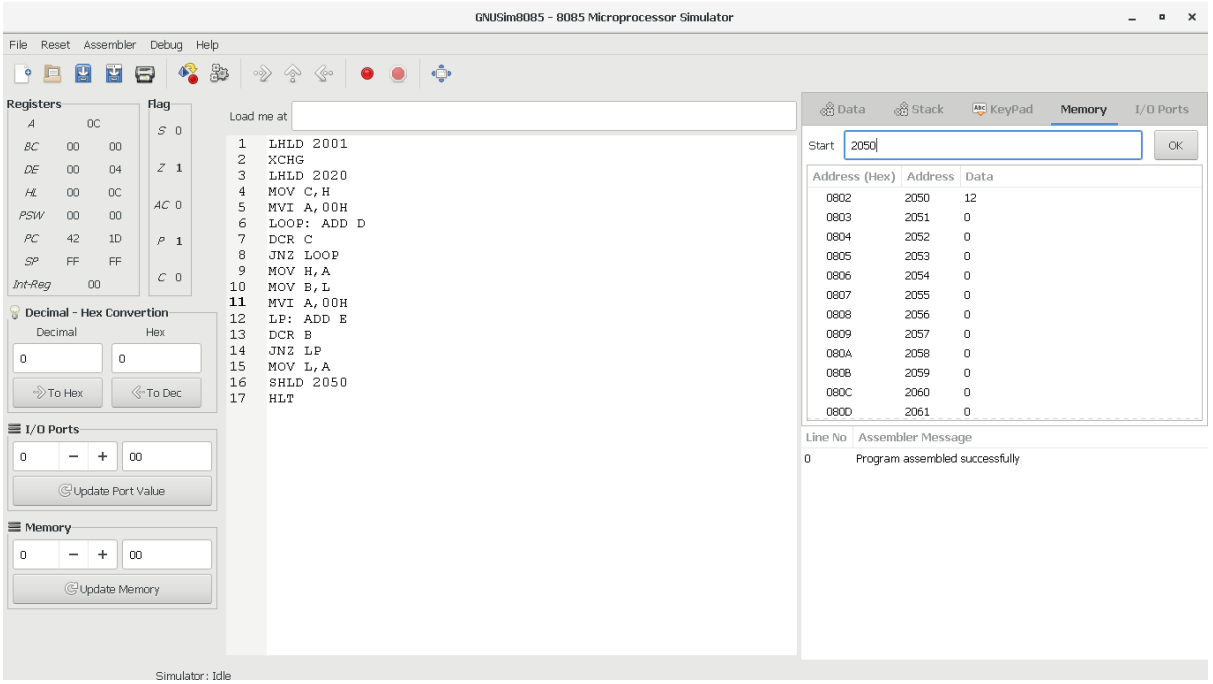
16-BIT ADDITION



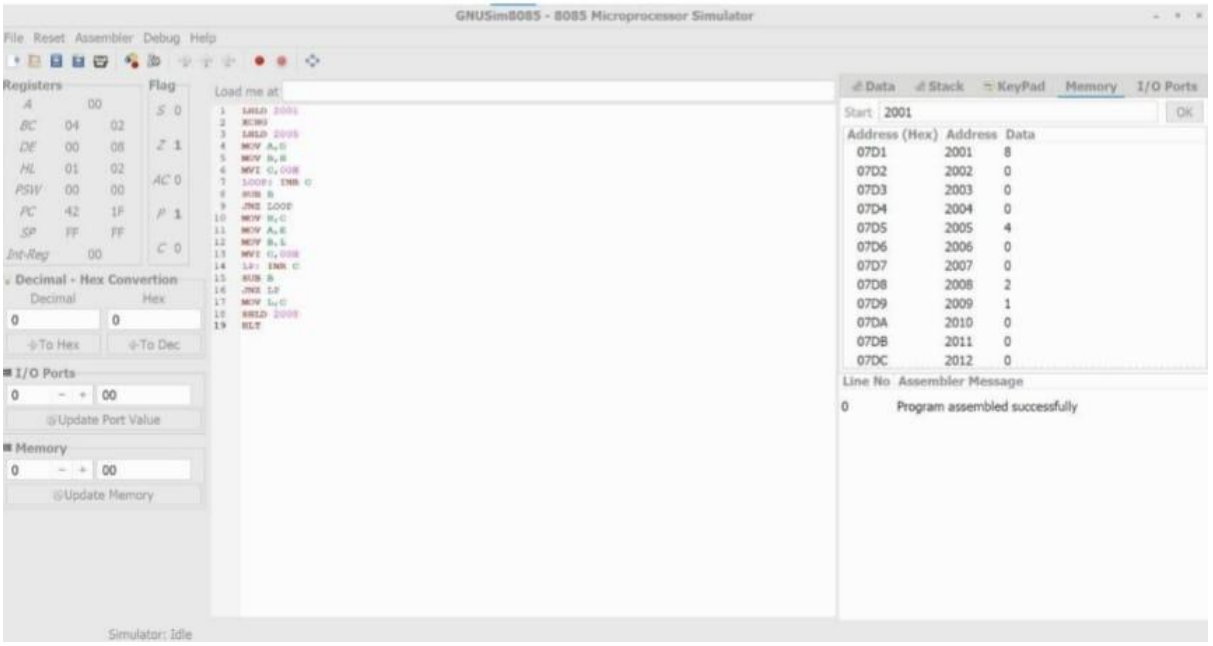
16-BIT SUBTRACTION



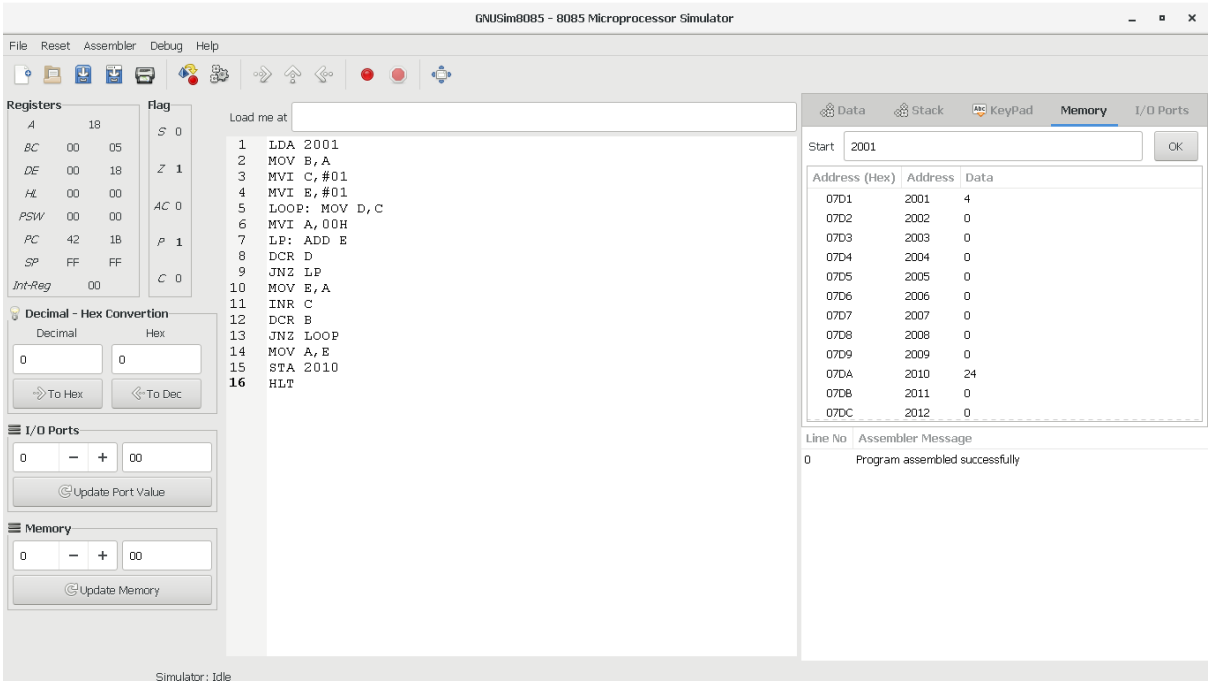
16-BIT MULTIPLICATION



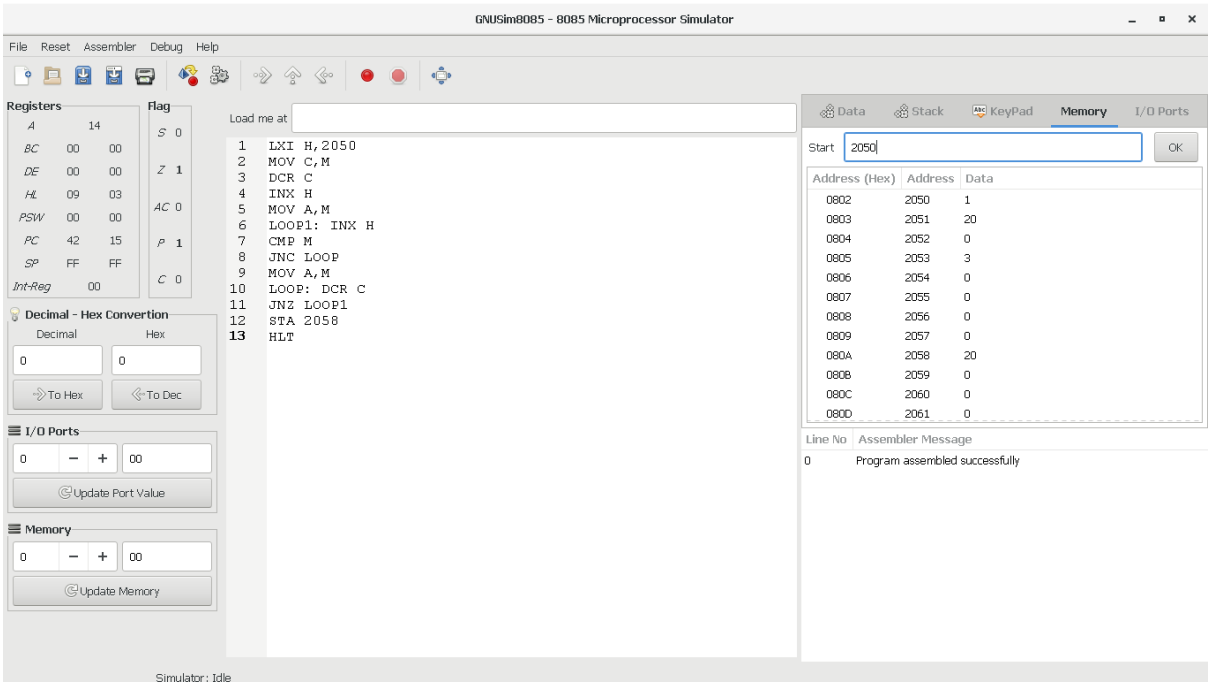
16-BIT DIVISION



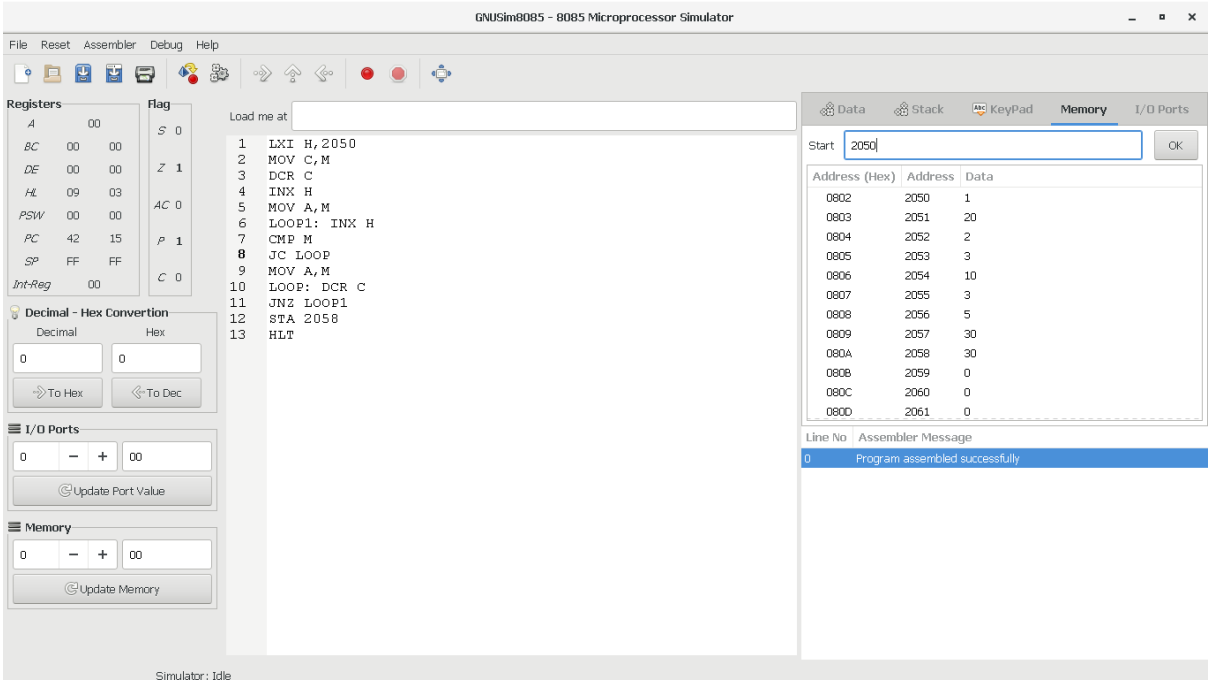
FACTORIAL



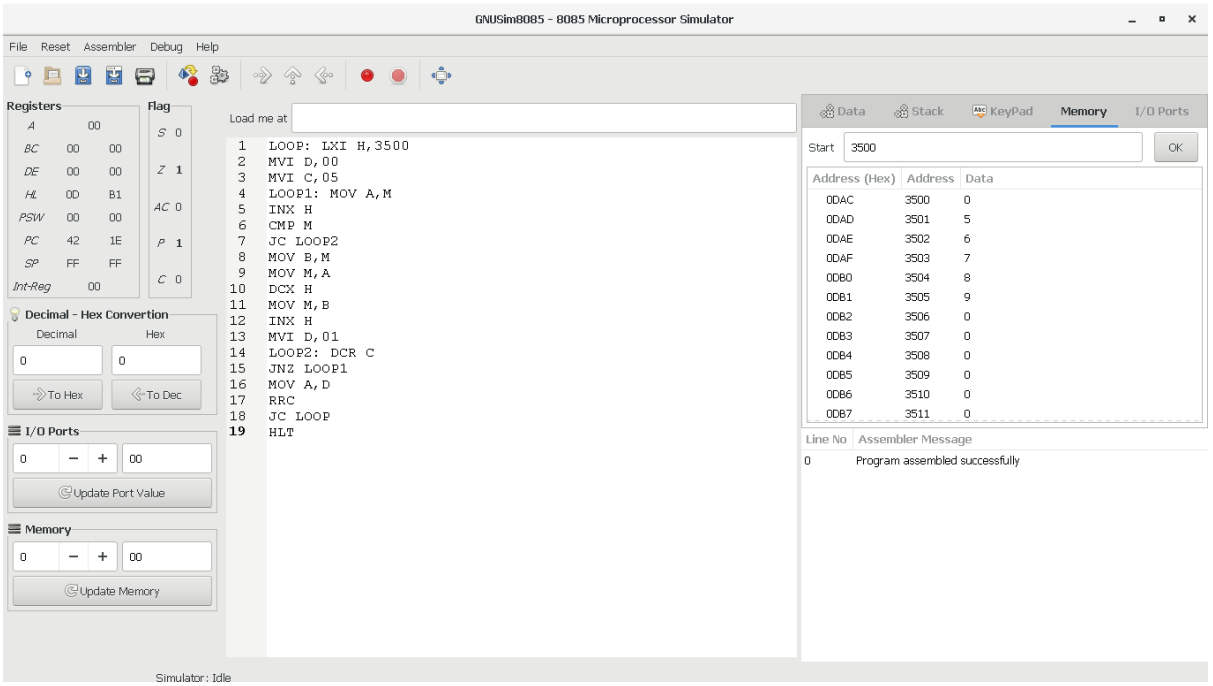
LARGEST NUMBER IN AN ARRAY



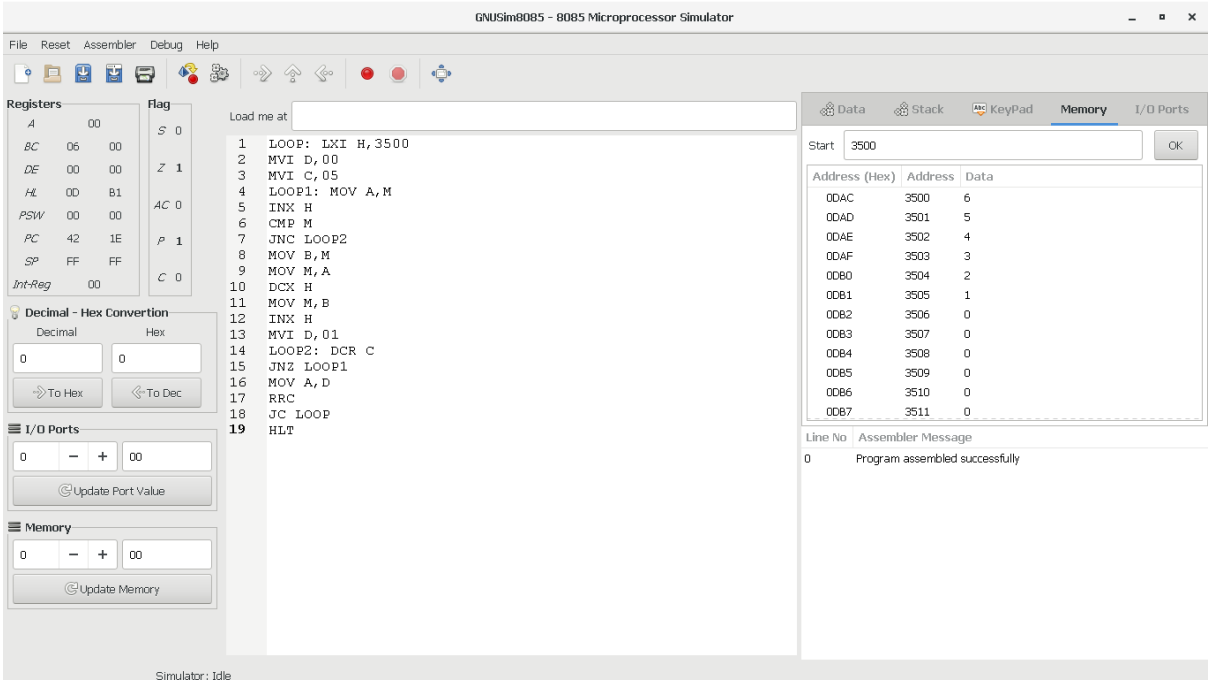
SMALLEST NUMBER IN AN ARRAY



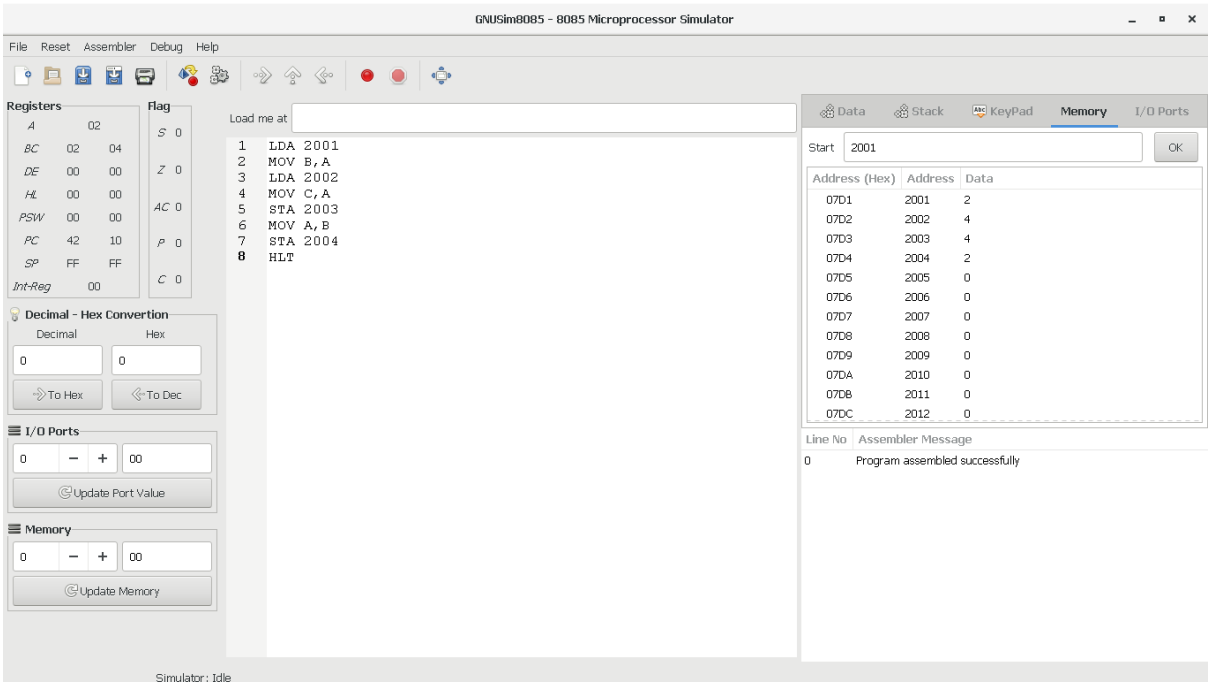
ASCENDING



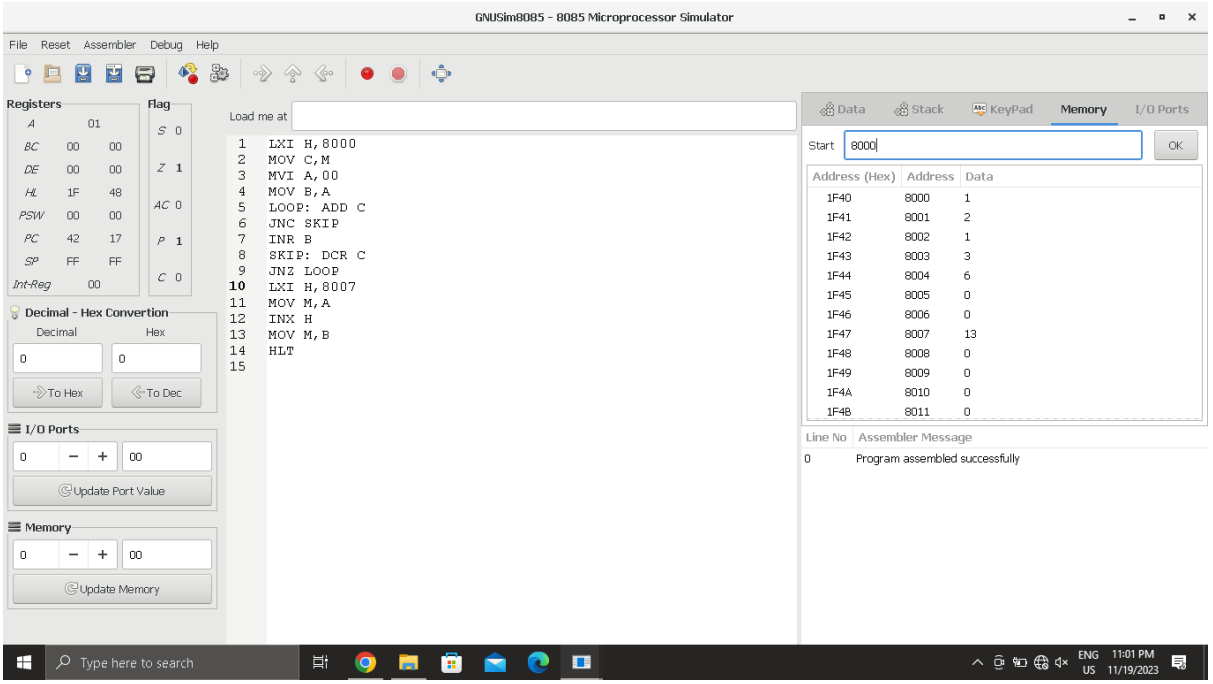
DESCENDING



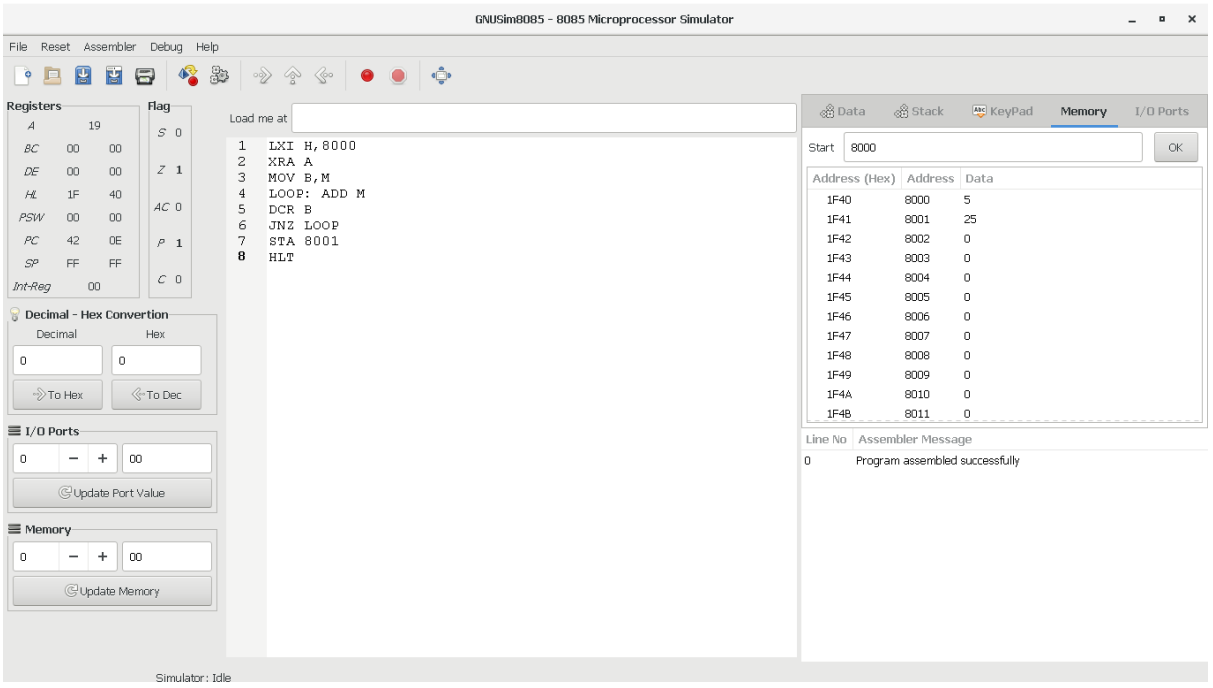
SWAP



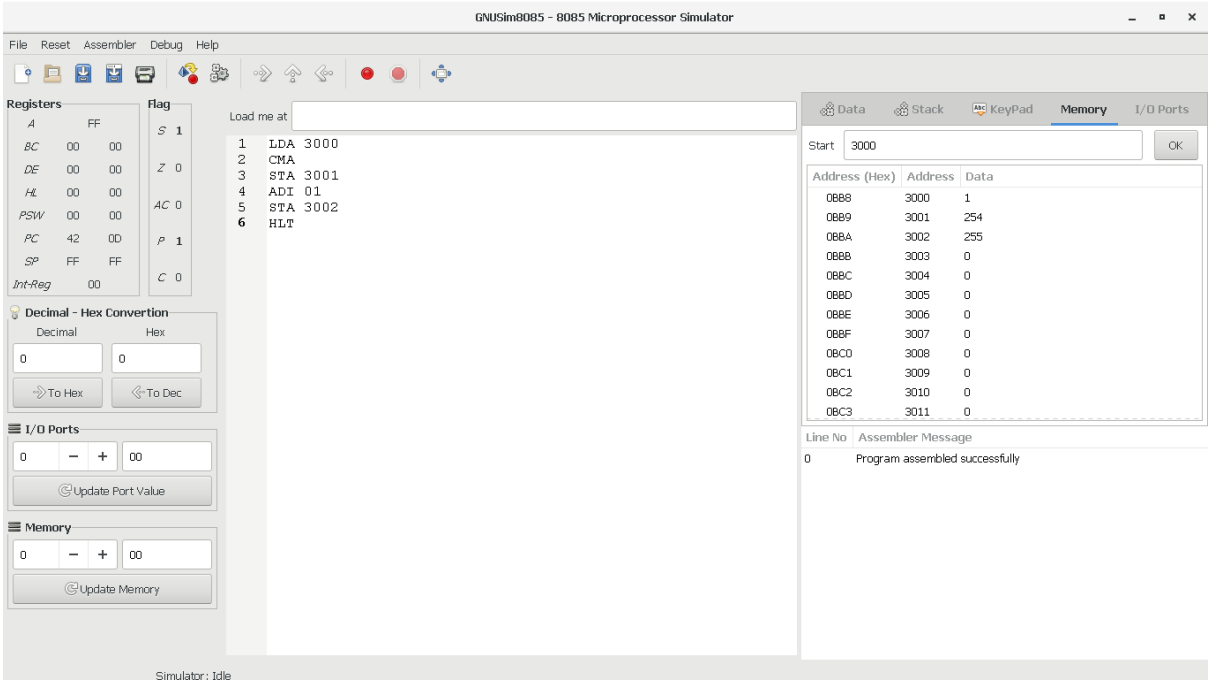
SUM OF N NUMBERS



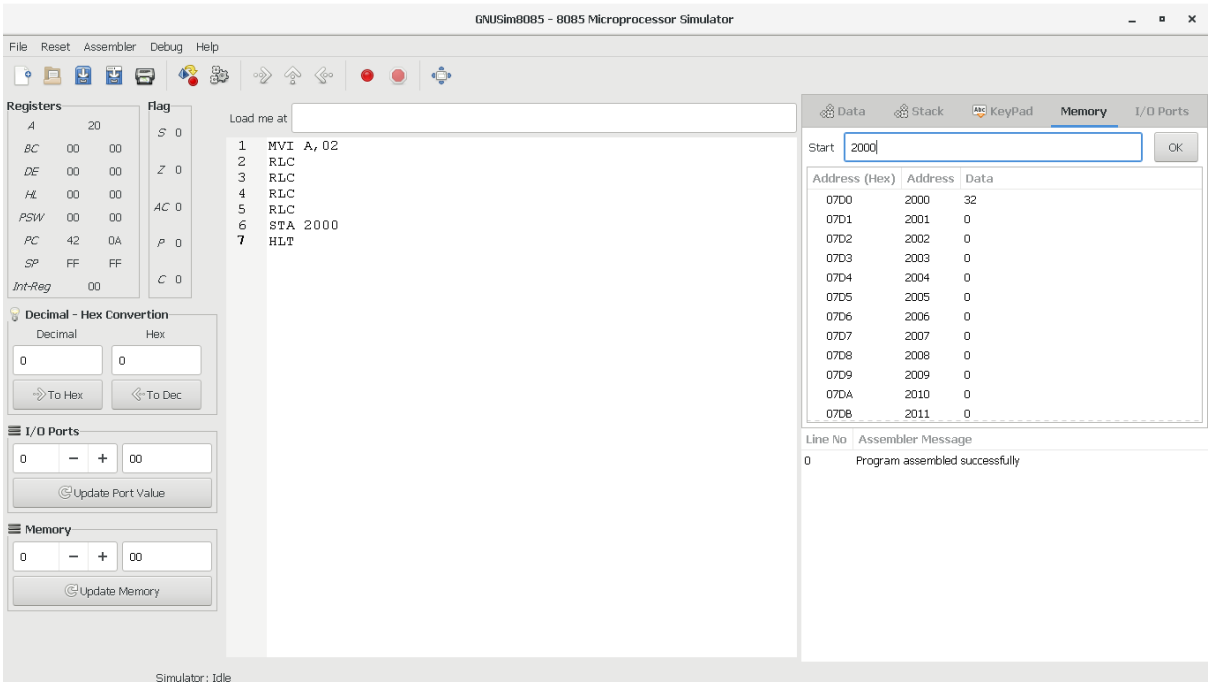
SQUARE



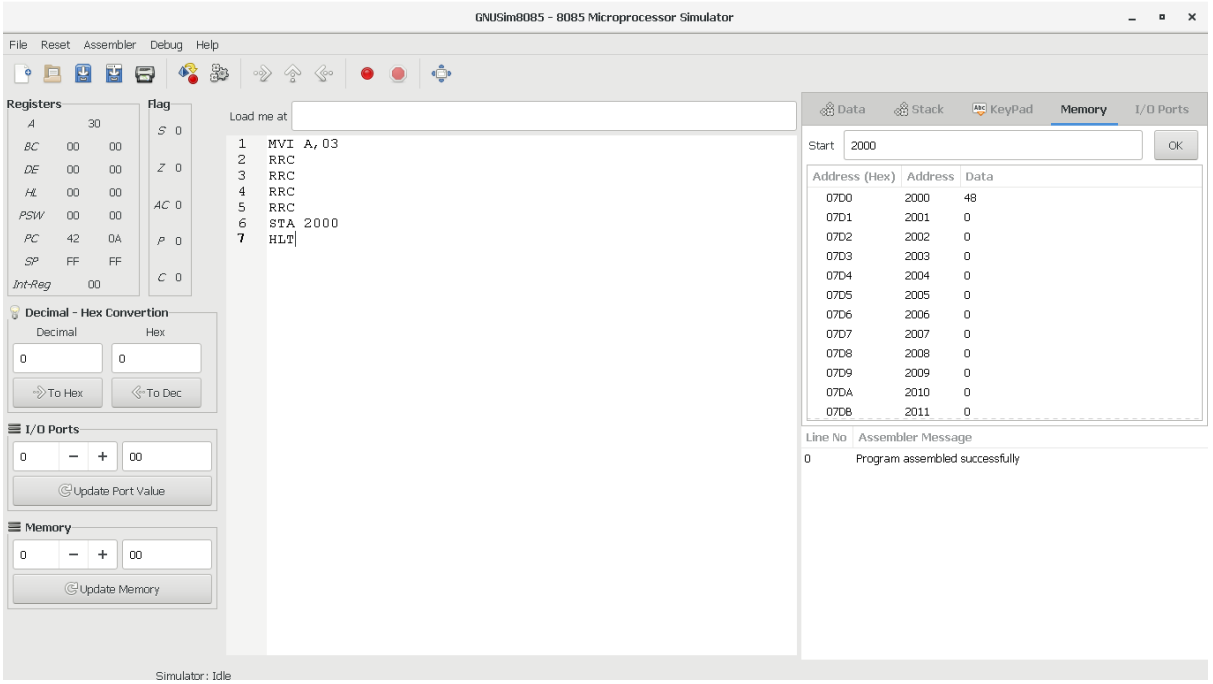
1’S & 2’S COMPLEMENTS



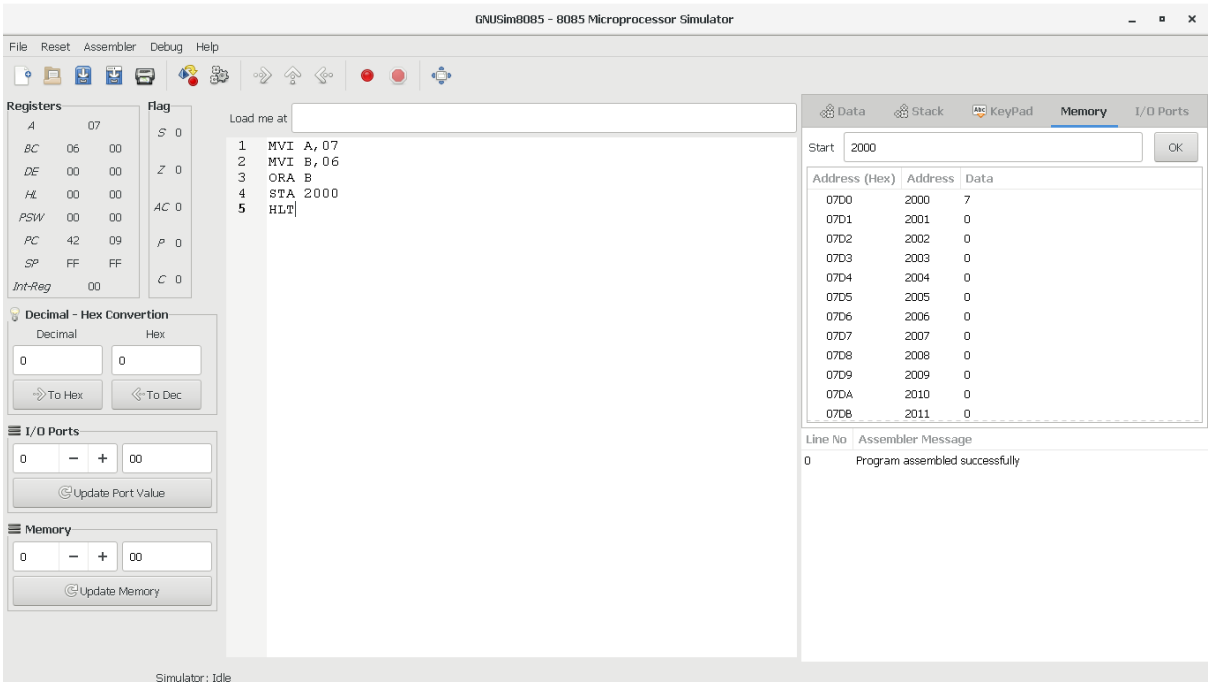
ROTATE LEFT OPERATION

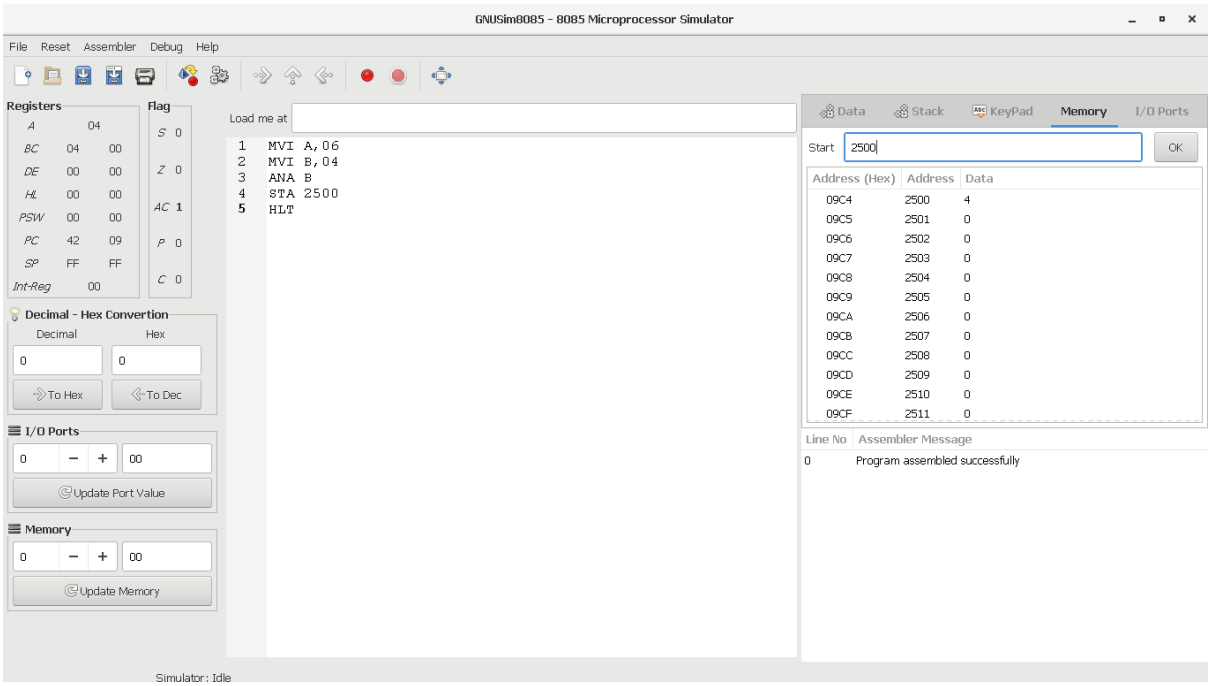


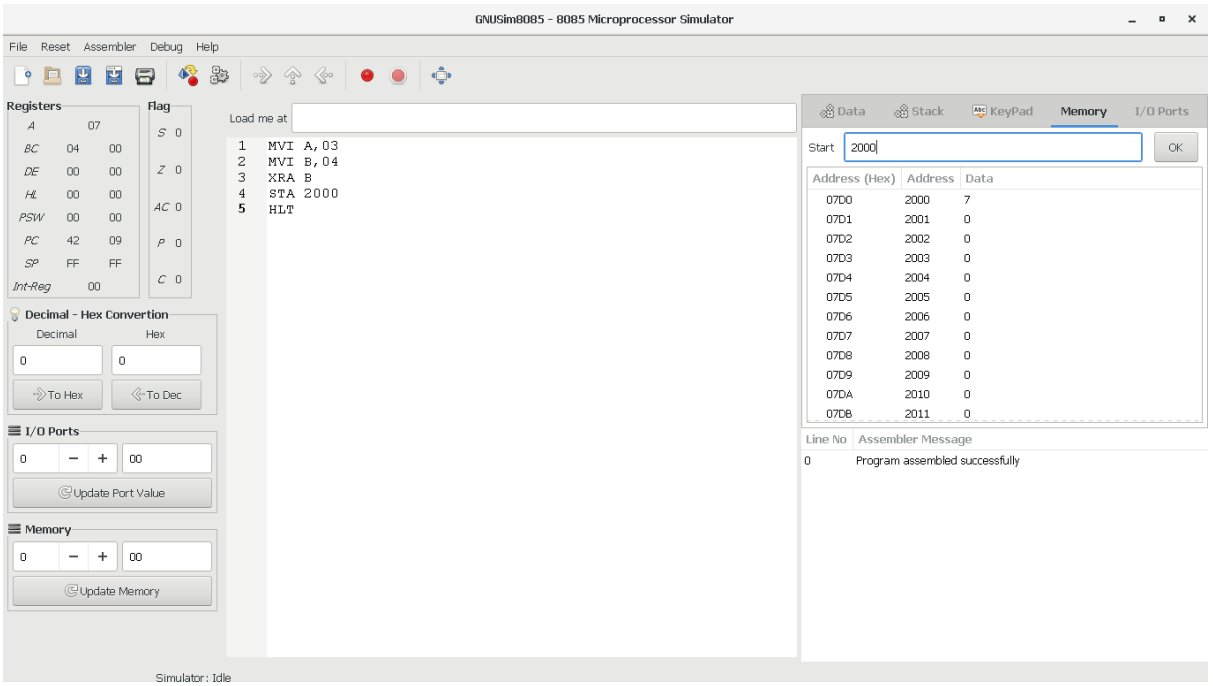
ROTATE RIGHT OPERATION



LOGICAL OPERATIONS


GNUSim8085 - 8085 Microprocessor Simulator
File Reset Assembler Debug Help
Registers
A 07
BC 06 00
DE 00 00
HL 00 00
PSW 00 00
PC 42 09
SP FF FF
Int-Reg 00
Flag
S 0
Z 0
AC 0
P 0
C 0
Decimal - Hex Convertion
Decimal
Hex
To Hex
To Dec
I/O Ports
Update Port Value
Memory
Update Memory
Load me at
1 MVI A,07
2 MVI B,06
3 ORA B
4 STA 2000
5 HLT
Data Stack KeyPad Memory I/O Ports
Start 2000
OK
Address (Hex) Address Data
07D0 2000 7
07D1 2001 0
07D2 2002 0
07D3 2003 0
07D4 2004 0
07D5 2005 0
07D6 2006 0
07D7 2007 0
07D8 2008 0
07D9 2009 0
07DA 2010 0
07DB 2011 0
Line No Assembler Message
0 Program assembled successfully
Simulator: Idle


GNUSim8085 - 8085 Microprocessor Simulator
File Reset Assembler Debug Help
Registers
A 04
BC 04 00
DE 00 00
HL 00 00
PSW 00 00
PC 42 09
SP FF FF
Int-Reg 00
Flag
S 0
Z 0
AC 1
P 0
C 0
Decimal - Hex Convertion
Decimal
Hex
To Hex
To Dec
I/O Ports
Update Port Value
Memory
Update Memory
Load me at
1 MVI A,06
2 MVI B,04
3 ANA B
4 STA 2500
5 HLT
Data Stack KeyPad Memory I/O Ports
Start 2500
OK
Address (Hex) Address Data
09C4 2500 4
09C5 2501 0
09C6 2502 0
09C7 2503 0
09C8 2504 0
09C9 2505 0
09CA 2506 0
09CB 2507 0
09CC 2508 0
09CD 2509 0
09CE 2510 0
09CF 2511 0
Line No Assembler Message
0 Program assembled successfully
Simulator: Idle


GNUSim8085 - 8085 Microprocessor Simulator
File
Reset
Assembler
Debug
Help
Registers
A 07
BC 04 00
DE 00 00
HL 00 00
PSW 00 00
PC 42 09
SP FF FF
Int-Reg 00
Flag
S 0
Z 0
AC 0
P 0
C 0
Decimal - Hex Convertion
Decimal
Hex
0
0
To Hex
To Dec
I/O Ports
0
00
Update Port Value
Memory
0
00
Update Memory
Load me at
1 MVI A,03
2 MVI B,04
3 XRA B
4 STA 2000
5 HLT
Data
Stack
KeyPad
Memory
I/O Ports
Start
2000
OK
Address (Hex)
Address
Data
07D0 2000 7
07D1 2001 0
07D2 2002 0
07D3 2003 0
07D4 2004 0
07D5 2005 0
07D6 2006 0
07D7 2007 0
07D8 2008 0
07D9 2009 0
07DA 2010 0
07DB 2011 0
Line No
Assembler Message
0
Program assembled successfully
Simulator: Idle