

Write a program to solve the following equations:

1. $g = (a + b) - c$;save the result back in variable g
2. $b = c + f$;when saving the result if value exceeds the size of variable you can ignore higher byte
3. $d = e - g$;when saving the result if value exceeds the size of variable you can ignore higher byte
4. $c = d + b$
5. $e = a + g$

Use these variables:

a: db 01110111b

b: db 95

c: dw 280

d: db 77h

e: db 0x42

f: db 0xE4

g: dw 0

Note: Execute the code in sequence. Use updated values of variables