Unsigned 8-bit Average of 3 numbers

Given variables A, B, and C; each holding an 8-bit unsigned number. Write a program to find the average of A to C, placing the result into variable D.

D = A + B + C / 3

Allow for a 16-bit interim sum and result.

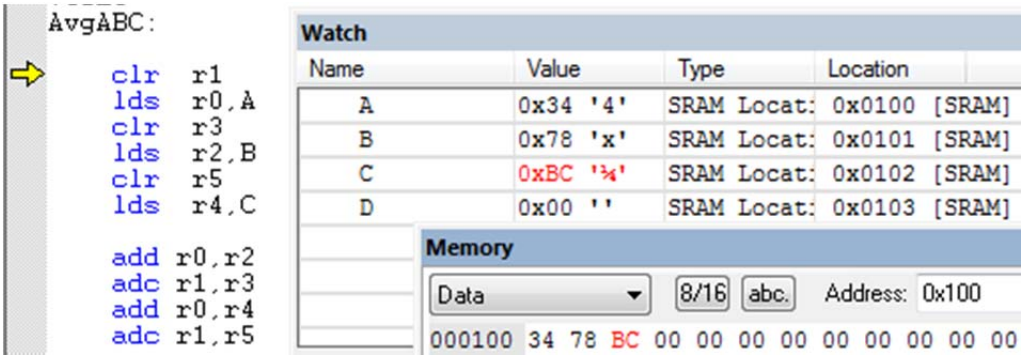

Figure 1 Start of unsigned 8-bit Average program with variable A initialized to 0x34 (52_{10}), B initialized to 0x78 (120_{10}) and C initialized to 0xBC (188_{10}).

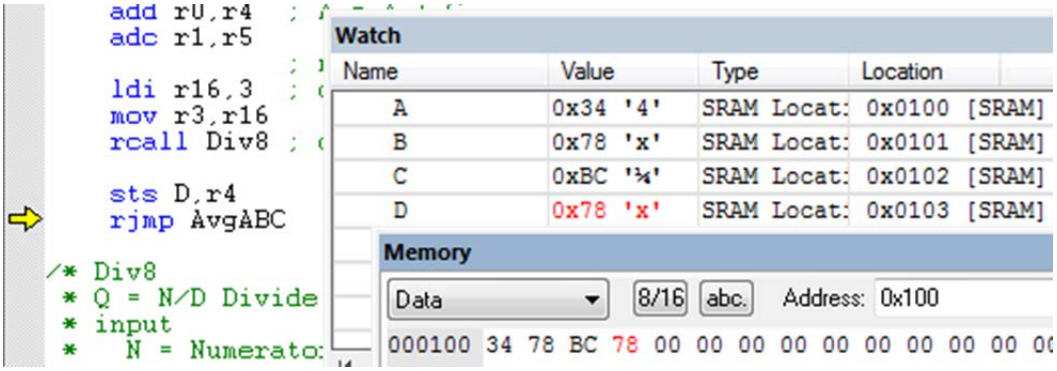

Figure 2 End of unsigned 8-bit Average program with variable D containing 0x78 (120_{10}).