

Computer Architecture

Tutorial 3a – Number Representation and Binary Arithmetic

- 1) Perform the following 12-bit two's complement subtraction

$$\begin{array}{r} 1010\ 1010\ 1011 \\ -1011\ 0000\ 1101 \\ \hline \end{array}$$

- 2) Perform the binary multiplication 10011×1101
- 3) Divide the binary number 1011111 by 101

check the answer by conversion to decimal

