Computer Architecture–Homework VI

107 Fall semester, Chapter 10

10.14 Given $x = 0101$ and $y = 1010$ in twos complement notation (i.e., $x = 5$, $y = -6$), compute the product $p = x \times y$ with BoothÕs algorithm.

10.20 Divide -14 by 13 in binary twos complement notation, using 5-bit words. Use the algorithm described in Section 10.3.