

Solution: # Q3

$$\left. \begin{aligned} A &= (11011)_2 \rightarrow (27)_{10} \\ B &= (10011)_2 \rightarrow (19)_{10} \end{aligned} \right\} A \times B = (513)_{10}$$

$$(513)_{10} \Rightarrow (10000000001)_2$$

5-bit multiplication, so we need four 5-bit adders

Meand = 11011 ; Multiplier = 10011

