4.2 Integer Representation

4.2 pg 255 # 3

Convert the binary expansion of each of these integers to a decimal expansion.

   a) $(1\ 1111)_2$

   c) $(1\ 0101\ 0101)_2$

4.2 pg 255 # 1

Convert the decimal expansion of these integers to a binary expansion.

   a) 231

   b) 4532

4.2 pg 255 # 17

Convert $(10\ 1011\ 1011)_2$ to its octal expansion

4.2 pg 225 # 5

Convert the octal expansion of each of these integers to a binary expansion.

   a) $(572)_8$

4.2 pg 225 # 11

Convert $(1011\ 0111\ 1011)_2$ from its binary expansion to its hexadecimal expansion.

4.2 pg 225 # 9

Convert $(ABCDEF)_{16}$ from its hexadecimal expansion to its binary expansion.

4.2 pg 255 # 21

Find the sum and product of each of these pairs of numbers. Express your answers as a binary expansion.

   a) $(100\ 0111)_2$, $(111\ 0111)_2$