Ejercicio de conversiones de binario a decimal y decimal a binario.

1. $10000_{2)} \rightarrow 16_{10)}$

   $1 \cdot 2^4 = 16 \quad 0 \cdot 2^3 = 0$

2. $110011_{2)} \rightarrow 32+16+2+1 = 51_{10)}$

   $1 \cdot 2^5 + 1 \cdot 2^4 + 1 \cdot 2^1 + 1 \cdot 2^0$

3. $100010_{2)} \rightarrow 32+2 = 34_{10)}$

   $1 \cdot 2^5 \quad 1 \cdot 2^1$

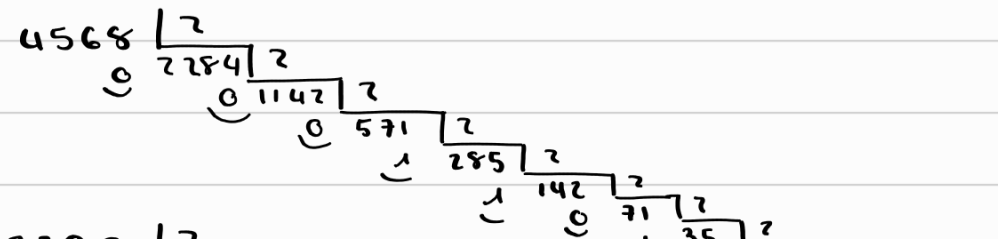
4. $1111111_{2)} \rightarrow 64+32+16+8+4+2+1 = 127_{10)}$

   $1 \cdot 2^6 + 1 \cdot 2^5 + 1 \cdot 2^4 \ldots$

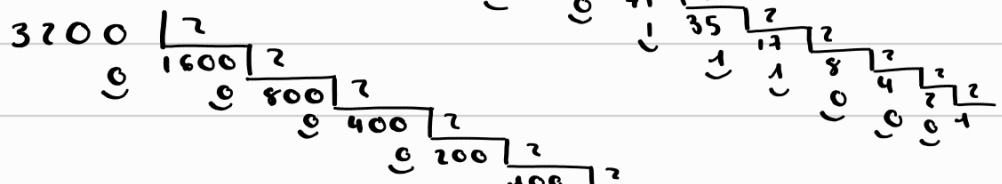
5. $1010101_{2)} \rightarrow 64+16+4+1 = 85_{10)}$

   $1 \cdot 2^6 + 1 \cdot 2^4 + 1 \cdot 2^2 + 1 \cdot 2^0$

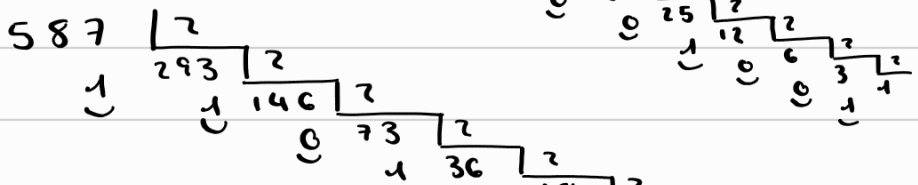
6. $4568_{10)} \rightarrow 1000111011000_{2)}$



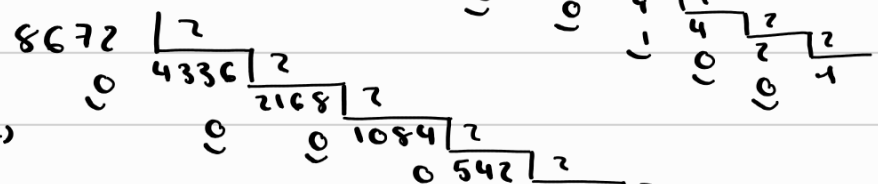
7. $3200_{10)} \rightarrow 110010000000_{2)}$



8. $587_{10)} \rightarrow 1001001011_{2)}$



9. $8672_{10)} \rightarrow 10000111100000_{2)}$



10. $10000_{10)} \rightarrow 10011100010000_{2)}$