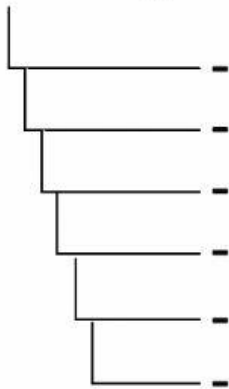


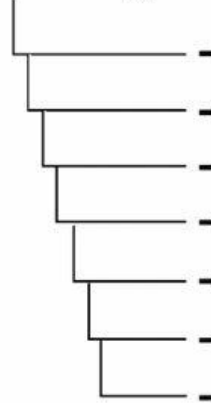
1. Convert the Following Decimal values into Binary

I. 126_{10}



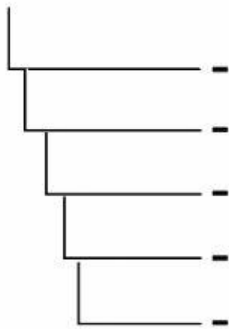
$126_{10} =$

II. 242_{10}



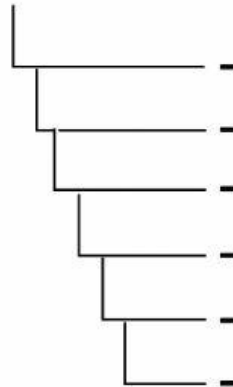
$242_{10} =$

III. 35_{10}



$35_{10} =$

IV. 89_{10}



$89_{10} =$

2. Convert the Following Binary Values into Decimal

I. 1101_2

$$\begin{array}{cccc} (2^3 \times \quad) & + & (2^2 \times \quad) & + & (2^1 \times \quad) & + & (2^0 \times \quad) \\ (\quad \times \quad) & + & (\quad \times \quad) & + & (\quad \times \quad) & + & (\quad \times \quad) \\ & + & & + & & + & \end{array}$$

10

II. 1001_2

$$\begin{array}{cccc} (2^3 \times \quad) & + & (2^2 \times \quad) & + & (2^1 \times \quad) & + & (2^0 \times \quad) \\ (\quad \times \quad) & + & (\quad \times \quad) & + & (\quad \times \quad) & + & (\quad \times \quad) \\ & + & & + & & + & \end{array}$$

10

III. 11010_2

$$\begin{array}{cccccc} (2^4 \times \quad) & + & (2^3 \times \quad) & + & (2^2 \times \quad) & + & (2^1 \times \quad) & + & (2^0 \times \quad) \\ (\quad \times \quad) & + & (\quad \times \quad) & + & (\quad \times \quad) & + & (\quad \times \quad) & + & (\quad \times \quad) \\ & + & & + & & + & & + & \end{array}$$

10