

NMA

5th Sem

1

$$\begin{array}{r} 10 \overline{) 15} \quad (1 \\ \underline{10} \\ 5 \end{array} \quad \begin{array}{r} 10 \overline{) 10} \quad (2 \\ \underline{10} \\ 0 \end{array}$$

36, 54

$$\begin{array}{r} \overset{b}{\cancel{36}} \overline{) 54} \quad (1 \\ \underline{36} \\ 18 \end{array} \quad \begin{array}{r} \overset{a}{\cancel{36}} \overline{) 36} \quad (2 \\ \underline{36} \\ 0 \end{array}$$

int gcd (int a, int b) {

if (b == 0)

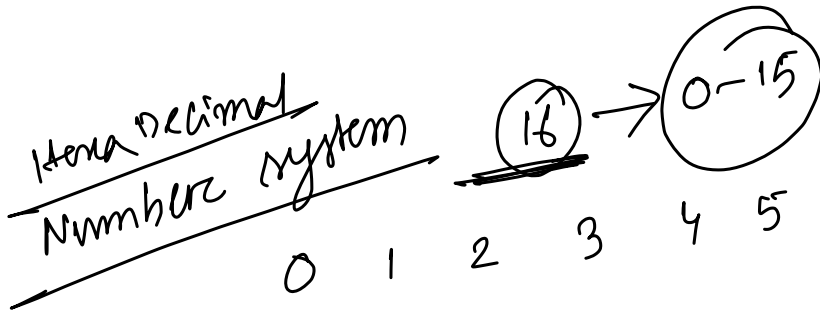
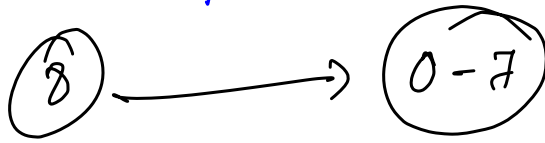
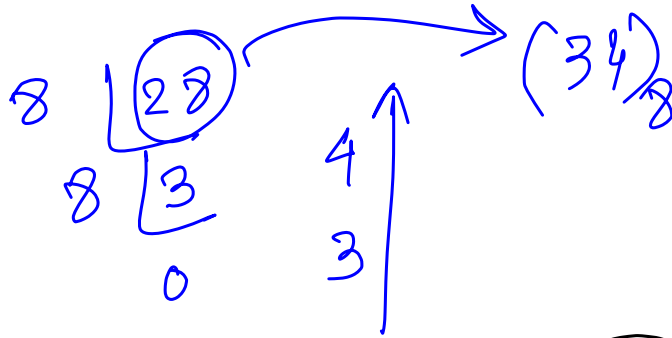
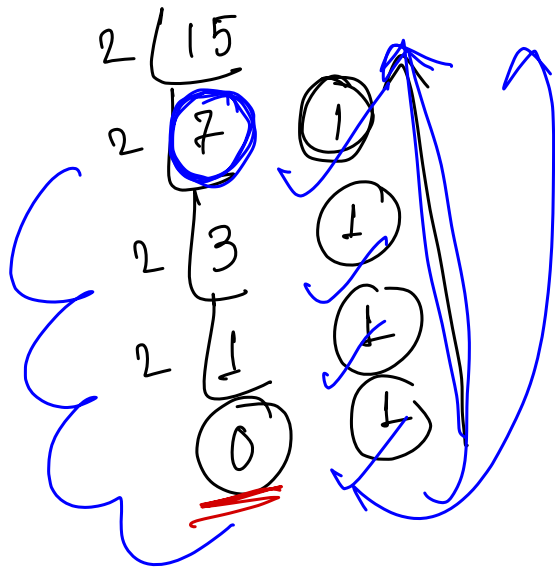
return a;

return gcd (b, a % b);

}

$$\begin{array}{r} 15 \overline{) 25} \quad (1 \\ \underline{15} \\ 10 \end{array} \quad \begin{array}{r} 15 \overline{) 10} \quad (1 \\ \underline{10} \\ 5 \end{array} \quad \begin{array}{r} 10 \overline{) 5} \quad (2 \\ \underline{10} \\ 0 \end{array}$$

Base Conversion



```

int Convert(int n, int b){
    if(n==0) return;
    int rem = n % 10;
    Convert(n/b, b);
    printf("%d", rem);
}

```

6	7	8	9
<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>
A	B	C	D
		<u>14</u>	<u>15</u>
		E	F

