

AX= 1001 0001 0000 1100
Elevator will stop at floors no. 16 13 9 4 3

This function displays the content of: short a ; at base 2

```
void Base2 ( )
{
    short x = 1 << 15, t; n=a;
    for (int i=1; i<=16; ++i)
    {
        t=n & x;
        if( t == 0 )
        { cout<<0; }
        else
        { cout<<1; }
        if( i % 4==0 )
        { cout<<" "; }
        n = n << 1;
    }
    a=n; //save the original value of a
    cout<< endl;
}
```