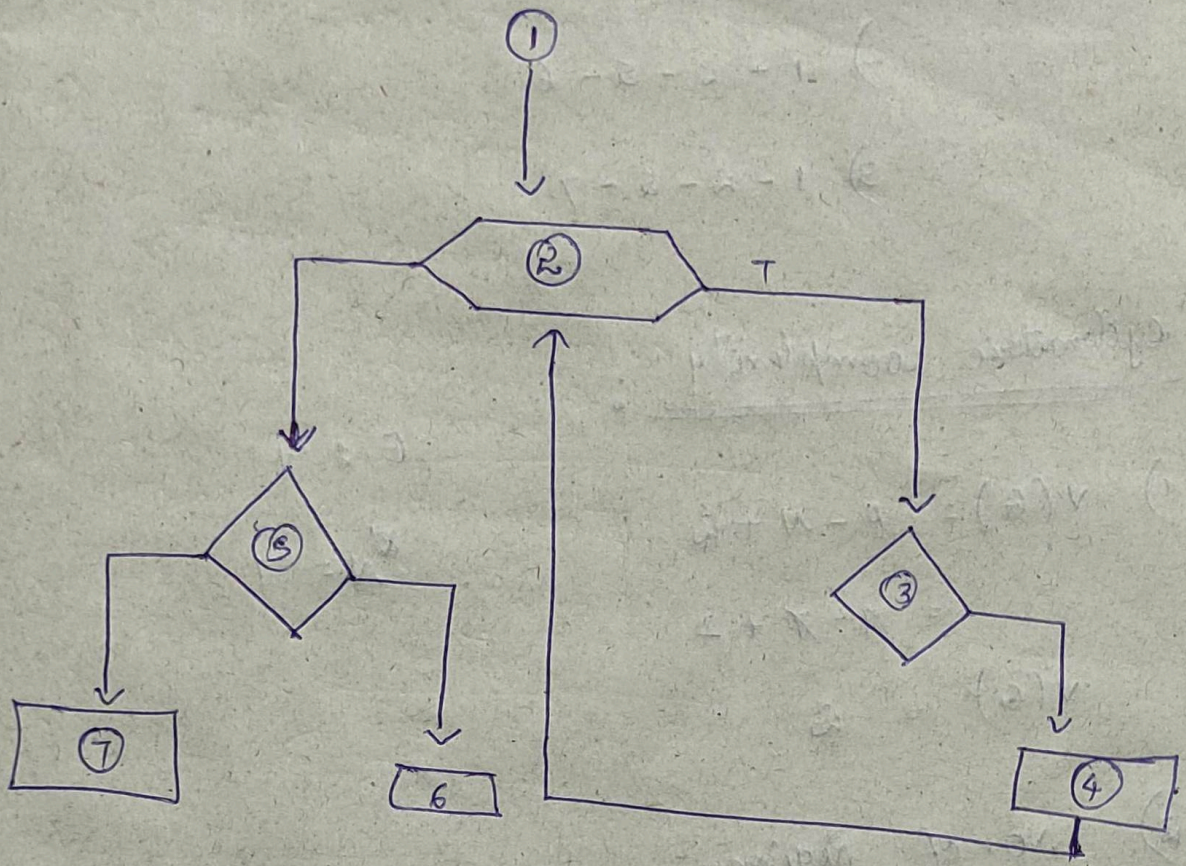
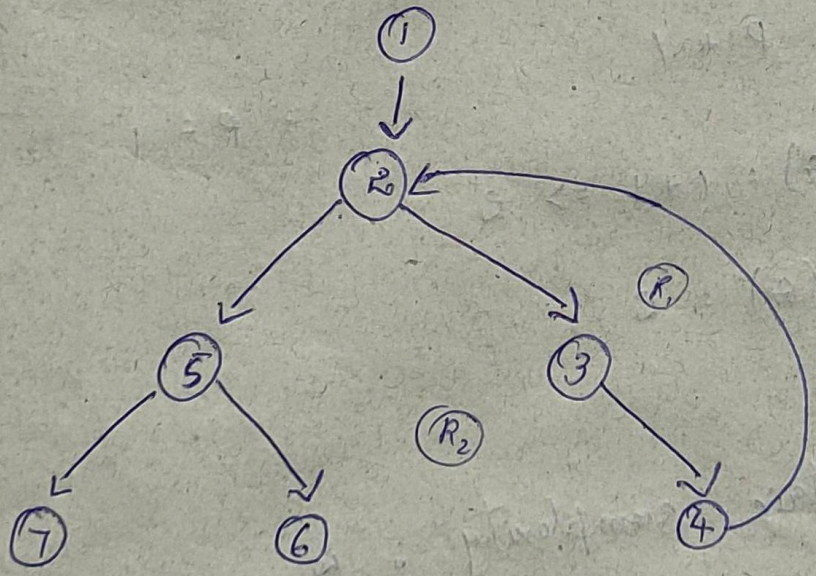
```
# include <stdio.h>

int main()
{
    int N, i, count = 0;
    printf("Enter a Number : ");
    Scanf("%d", &N);
    for (i = 1 ; i <= n ; i++) {
    {
        if (N%i == 0) {
        {
            count ++;
        }
    }
    if (count == 2)
    {
        printf("prime");
    }
    Else
    {
        printf("composite");
    }
    return 0;
}
```

① ② ③ ④ ⑤ ⑥ ⑦

Flow chart:





4) Paths :

1) 1 - 2 - 3 - 4 - 2

2) 1 - 2 - 5 - 6

3) 1 - 2 - 5 - 7

Cyclometric complexity :

E : 7

N = 7

1) $V(G) = E - N + 2$

$= 7 - 7 + 2$

$V(G) = 2$

2) No. of Regions = 2

3) $V(G) = P + 1$

$\because P = 1$

$\therefore V(G) = 1 + 1 \Rightarrow 2$

$V(G) = 2$

$\therefore$ cyclometric complexity : 2