

## Question No 2 - Slide 26

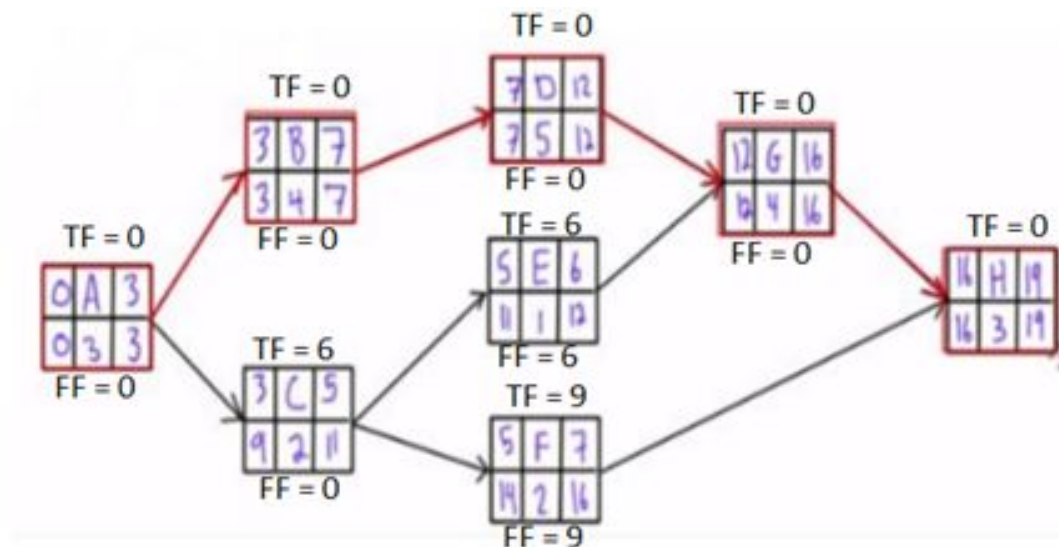
### Activity Table:

Activity	Predecessor	Duration
A		3
B	A	4
C	A	2
D	B	5
E	C	1
F	C	2
G	D, E	4
H	F, G	2

### Gantt Chart:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
A																		
B																		
C																		
D																		
E																		
F																		
G																		
H																		

### Total Float and Free Float:

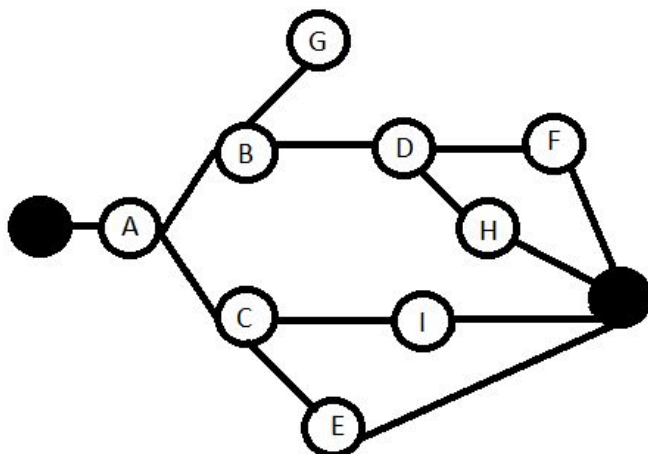


## Question 2 - Slide 24

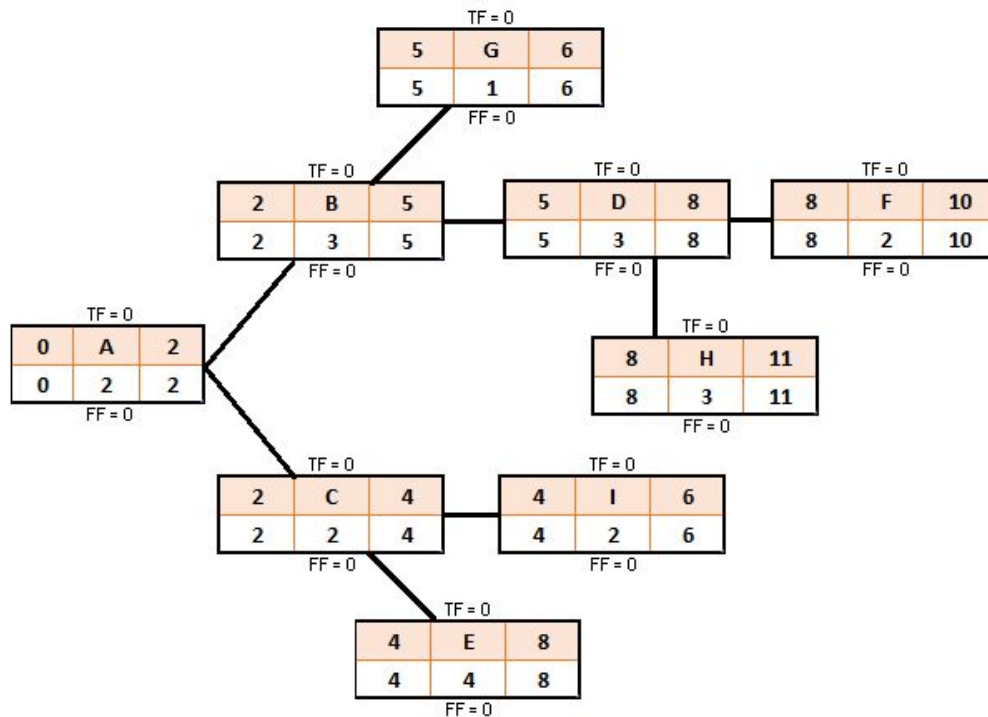
### Activity Table:

Activity	Predecessor	Duration
A	-	2
B	A	3
C	A	2
D	B	3
E	C	4
F	D	2
G	B	1
H	D	3
I	C	2

### Activity Network:



## Total Float and Free Float:



## Critical Path:

A → B → D → F

A → B → D → H

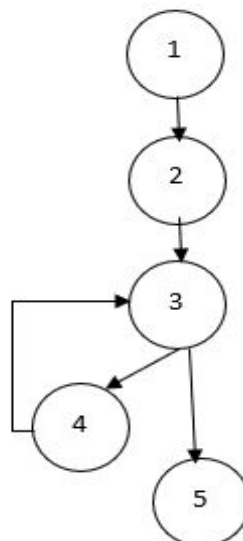
## Question 1

### Find Factorial of a Number:

Begin:

1. int x=1, fact=1, n;
2. cin >> n;
3. while( i <= n ){
4. fact=fact\*i; }
5. print result.

End.

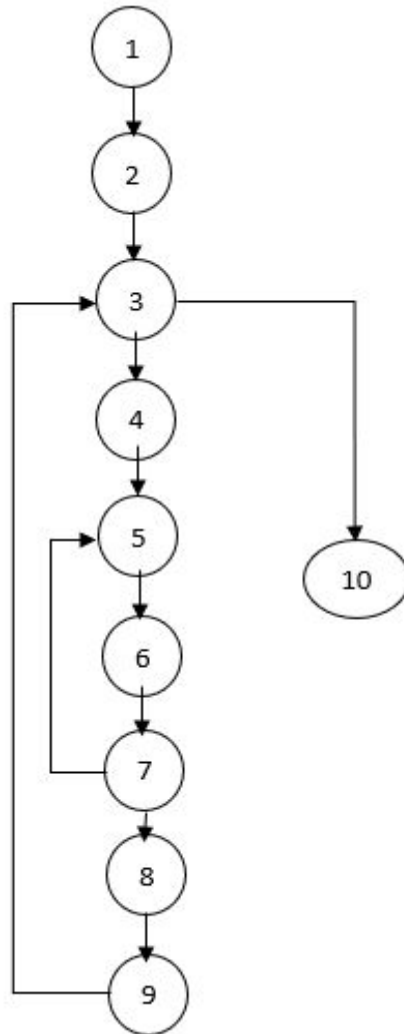


## Prime number between two integers:

Begin:

1. Int a,b, x, check;
2. Cin >> a >> b;
3. While(a<b){
4. check=0;
5. for( i = 2; i < a/2; i++){
6. if(a % i == 0){
7. check = 1;}}
8. if( check == 0 ){
9. a++;
10. print result.

End.



## Sum of N natural numbers using recursion:

Begin:

1. int n;
2. Cin >> n;
3. Cout << "Sum = " << addFunction(n);
4. If(n != 0){
5. Return n + addFunction(n-1);
6. return 0;

End.

