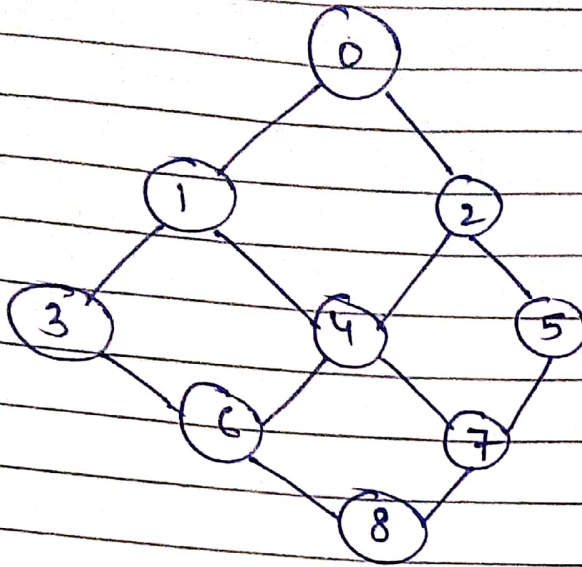


Depth First Search :



Now pop begin

4	-P
2	-P
5	
7	
8	
6	
3	
1	
0	

Visited Array.

top →

1	1	1	1	1	1	1	1	1
0	1	2	3	4	5	6	7	8

stack

DFS :

[0, 1, 3, 6, 8, 7, 5, 2, 4] (Ans)

Algo :

1. Push starting index

2. While (stack not empty)

{

i. P = Top()

ii. Push only one adjacent of P vertex and print

If no valid adjacent vertex for P, then POP()

}

Now - Valid : Unvisited adjacent vertex