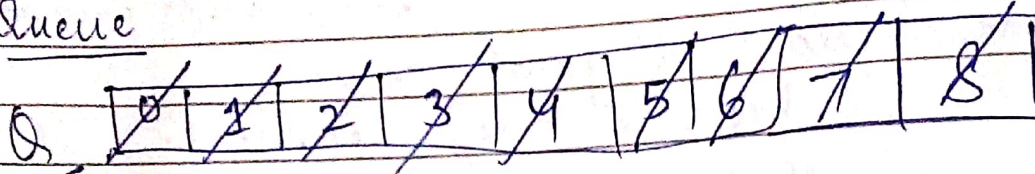


BFS and DFS

BFS \Rightarrow

Queue



Dequeue

\rightarrow

$P \rightarrow$ variable pointing to dequeued vertex.

Visited print: 0, 1, 2, 3, 4, 5, 6, 7, 8

Array

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

If $arr[i] == 0$, then only that point will be enqueued.

Algo: ① Enqueue starting vertex.

If Enqueue(v);
 $R[v] = 1;$

② while (Q is not empty)
{

i. $P = \text{Dequeue}();$ and.

\rightarrow print (P) (is dequeued value)

ii. Enqueue all adjacent vertices of P

* (check visited array)

\rightarrow for every vertex to check its value is 0 or not