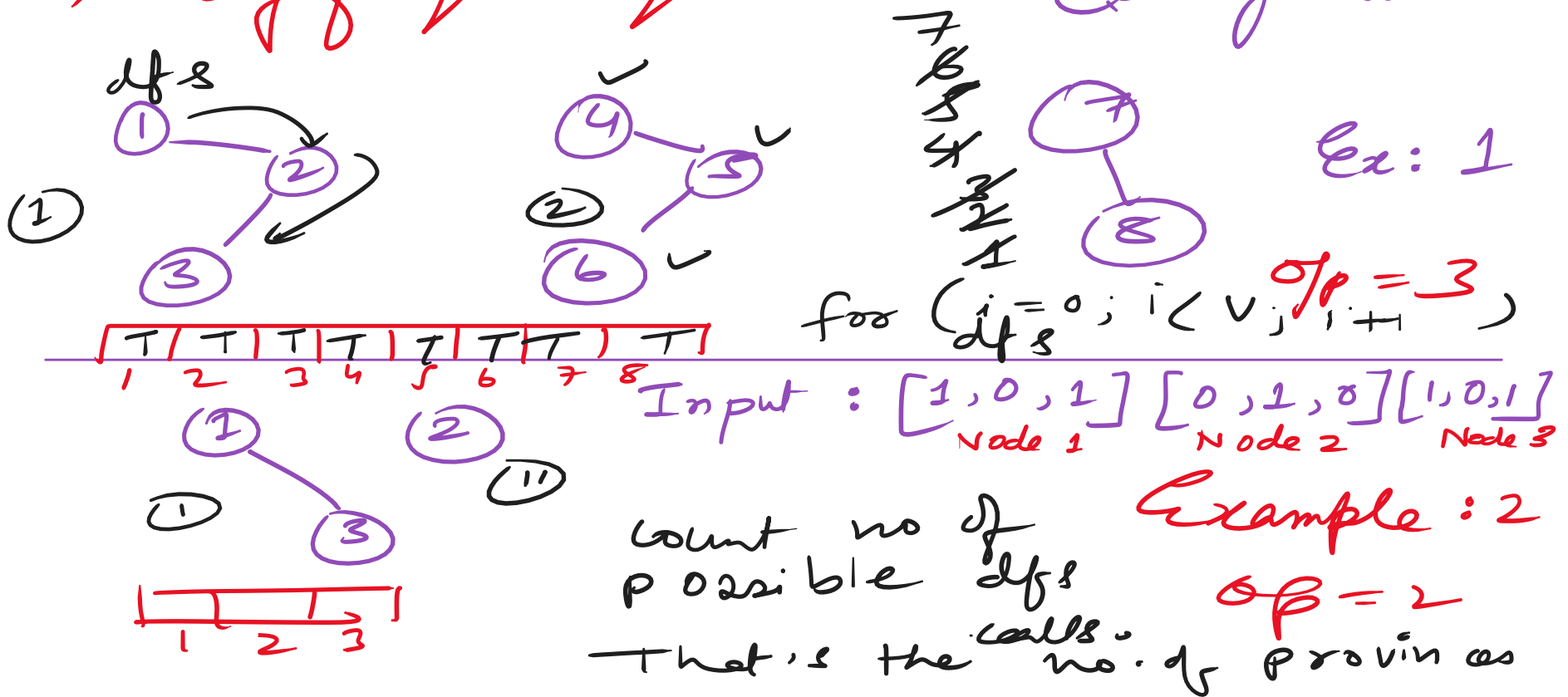


Number of provinces : GFG (Medium)
 * Very frequent question in Coding Rounds



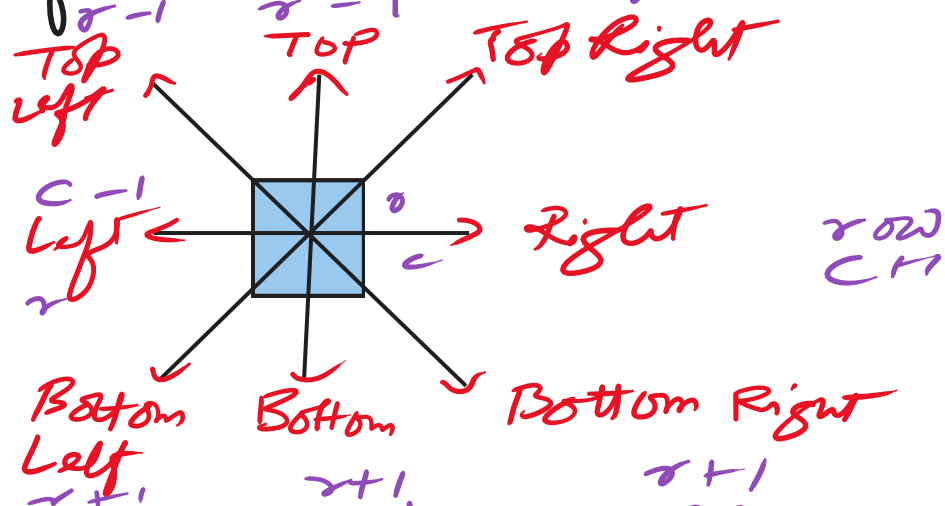
BMSCE / BNMIT / RNSIT / PESIT / RVCE

2021, 22, 23, 24, 25

Same question for different packages:

Number of Islands : →

L	L	W	W	W
W	L	W	W	L
L	W	W	L	L
W	W	W	W	W
L	W	L	L	W



Direction	Change in Direction	dx	dy
Top Left	(x-1, y-1) →	-1	-1
Top	(x-1, y) →	-1	0
Top Right	(x-1, y+1) →	-1	+1
Left	(x, y-1) →	0	-1
Right	(x+1, y+1) →	+1	+1
Bottom	(x+1, y) →	+1	0
Bottom Left	(x+1, y-1) →	+1	-1

So, we define:

int[] dx = { -1, -1, -1, 0, 1, 1, 1 };

int[] dy = { -1, 0, 1, -1, 1, 0, 1 };

Idea: Count total possible dfs or bfs calls.

No of islands.

* Tomorrow 1st Session : →

- * Dijkstra's
- * Kosaraju's
- * Dynamic Programming

Feedback

1 4 2 7 8

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* Sessions 2 & 3

JDBC →

Java Database Connectivity

Prerequisites : →

MySQL Workbench 8.0 or above

remember : →

uname, password

IntelliJ Installed