

BFS → Breadth First Search

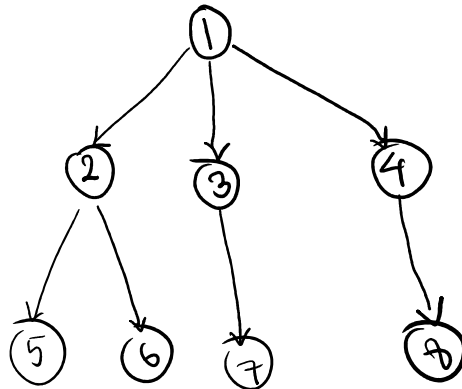
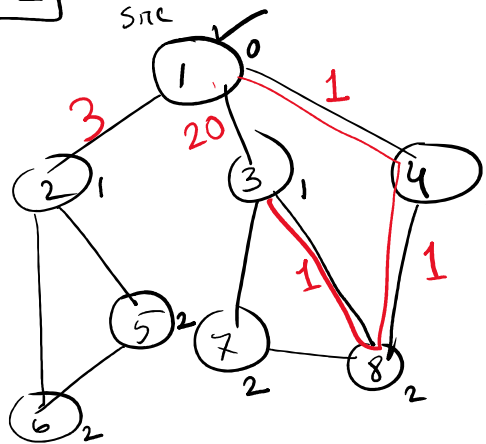
$\boxed{1} \boxed{1} \boxed{2} \boxed{2} \rightarrow \boxed{1} \boxed{2} \boxed{1} \boxed{2}$

Queue



BFS-tree

Q →



Dijkstra

জায়াফ্রা

dist [1] → 0

[2] → 1

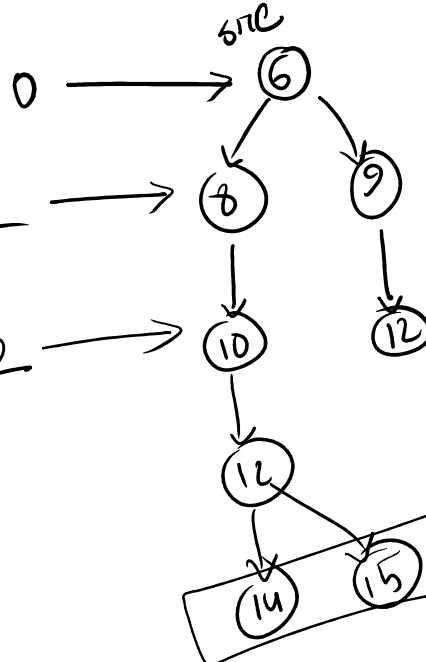
[3] → 1

[4] → 1 [8] → 2

[5] → 2

[6] → 2

[7] → 2



x is a prime factor of A

$\boxed{2, 3}$

dist[6] = 0

[8] = 1

[9] = 1

pf [6] → 2, 3