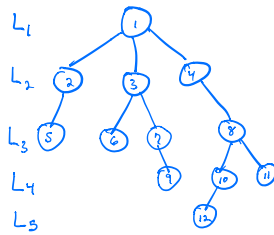
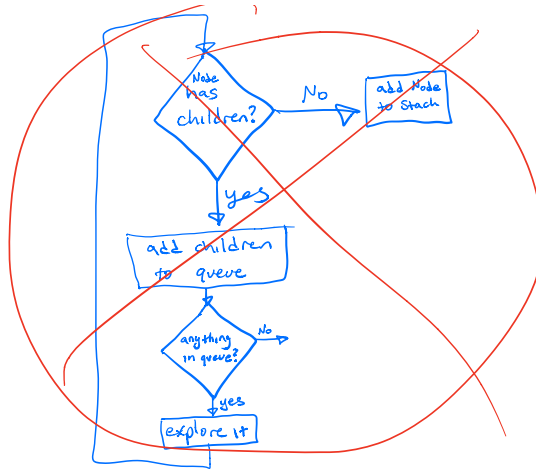


Sample Tree



nodes = 12
height = 4
levels = 5

Expected Results Vector:
1 2 3 4 5 6 7 8 9 10 11 12



Algo logic Test

Results Vector:
1 2 3 4 5 6 7 8 9 10 11 12 ✓

Queue:

~~1~~ ~~2~~ ~~3~~ ~~4~~ ~~5~~ ~~6~~ ~~7~~ ~~8~~ ~~9~~ ~~10~~ ~~11~~ ~~12~~

Steps:

- ① Add 1 to queue(Q)
- ② Add 2, 3, 4 to Q
- ③ Add 1 to results Vector(RV)
- ④ 2: add 5 to Q
- ⑤ Add 2 to RV
- ⑥ 3: Add 6, 7 to Q
- ⑦ Add 3 to RV
- ⑧ 4: Add 8 to Q
- ⑨ Add 4 to RV
- ⑩ 5: Add 9 to RV
- ⑪ 6: Add 6 to RV
- ⑫ 7: Add 9 to Q
- ⑬ Add 7 to RV
- ⑭ 8: Add 10, 11 to Q
- ⑮ Add 8 to RV
- ⑯ 9: Add 9 to RV
- ⑰ 10: Add 12 to Q
- ⑱ Add 10 to RV
- ⑲ 11: Add 11 to RV
- ⑳ 12: Add 12 to RV

FLOWCHART

