



# مهم جدأ

هذا الملف للمراجعة السريعة واخذ الملاحظات عليه فقط ،لانه يحتوي على اقل من 20٪ مما يتم شرحه في الفيديوهات الاستعجال والاعتماد عليه فقط سوف يجعلك تخسر كميه معلومات وخبرات كثيره

يجب عليك مشاهدة فيديو الدرس كاملا

لاتنسى عمل لايك ومشاركة القناة لتعم الفائدة للجميع لا تنسونا من دعائكم

ProgrammingAdvices.com

**Mohammed Abu-Hadhoud** 





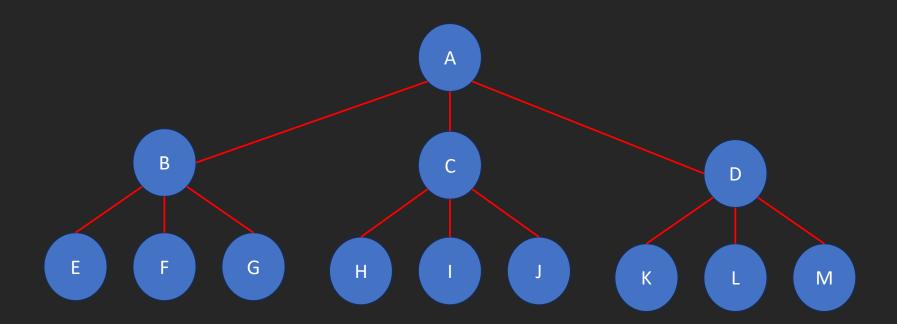
# BFS in Trees and Graphs

**Mohammed Abu-Hadhoud** 

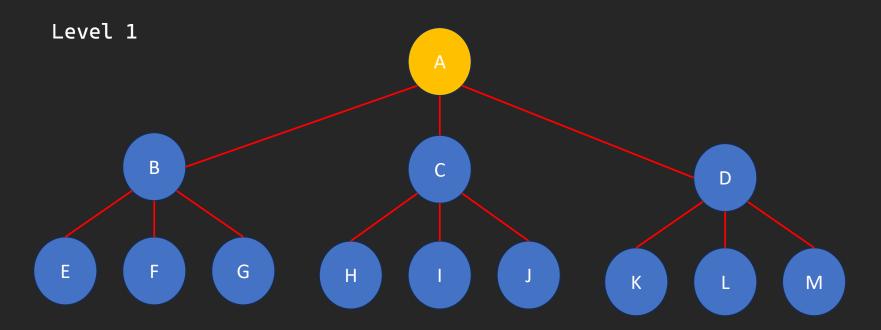
MBA, PMOC, PgMP®, PMP®, PMI-RMP®, CM, ITILF, MCPD, MCSD



Level By Level

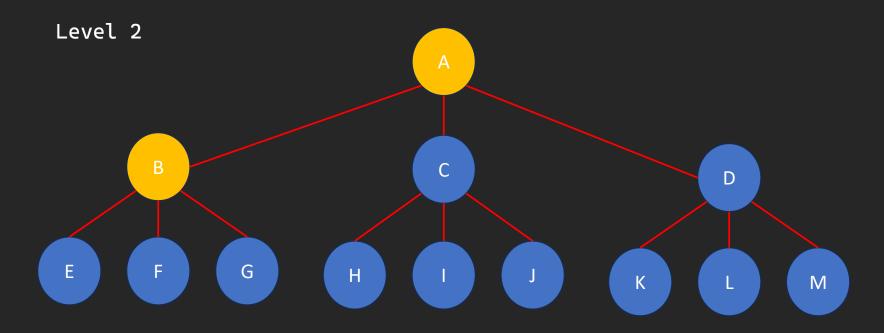






Print A

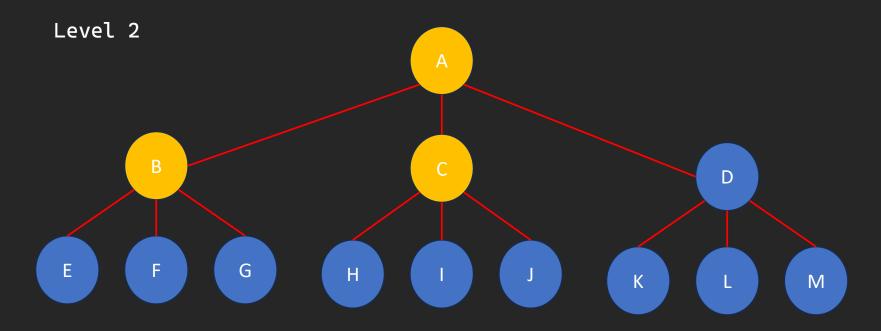




Print

A



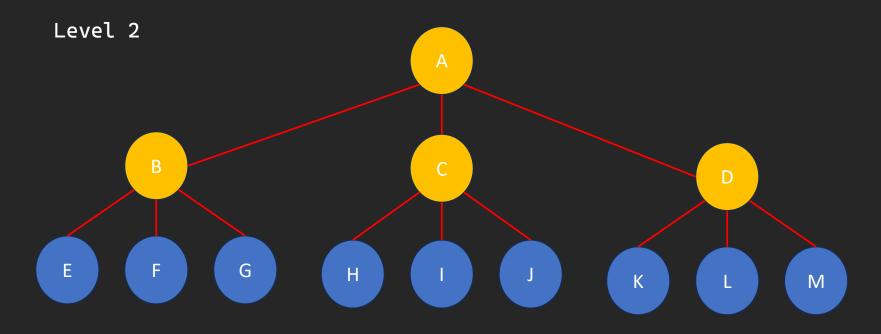


Print

A R

B





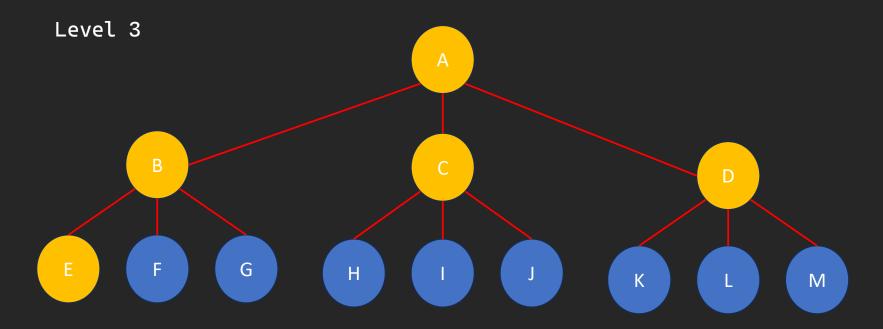
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A R

C

D

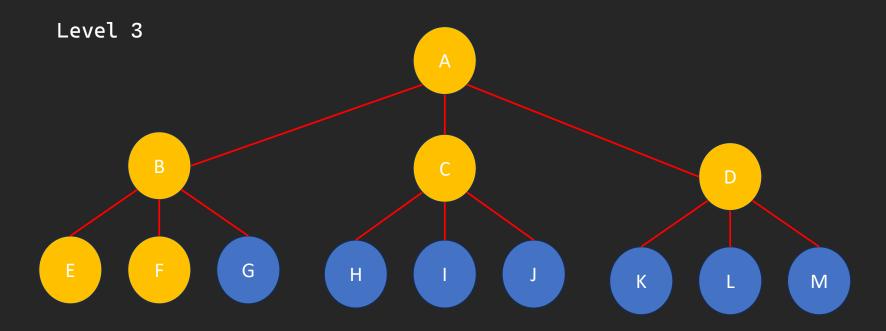




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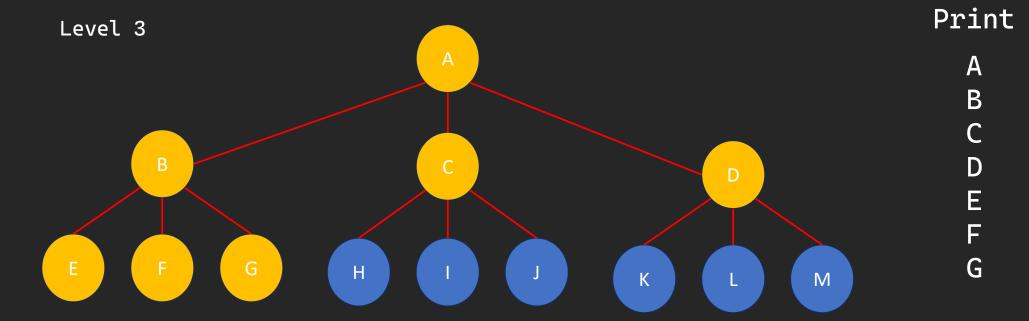
A B C D



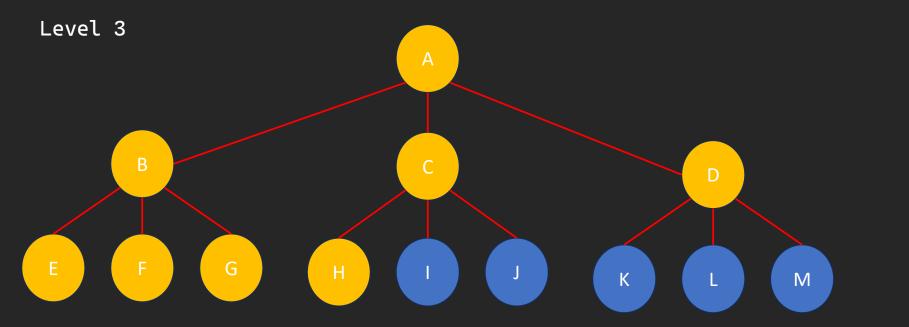


Print





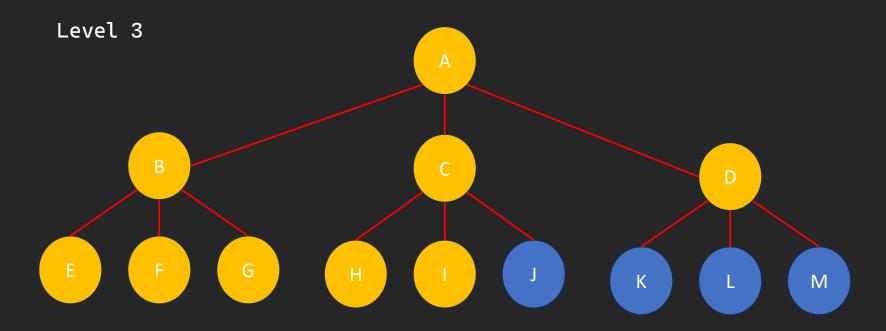






ABCDEFGH

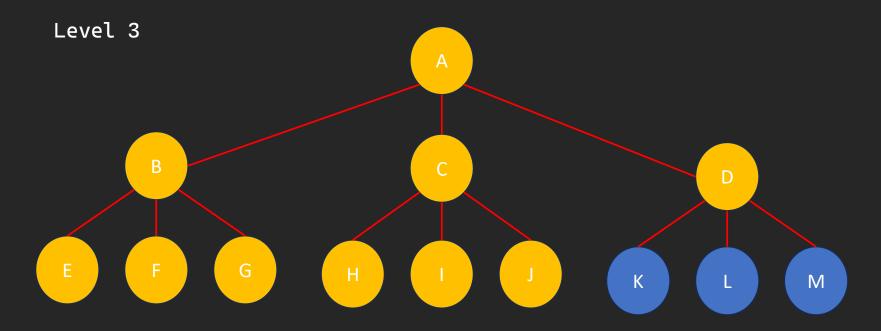






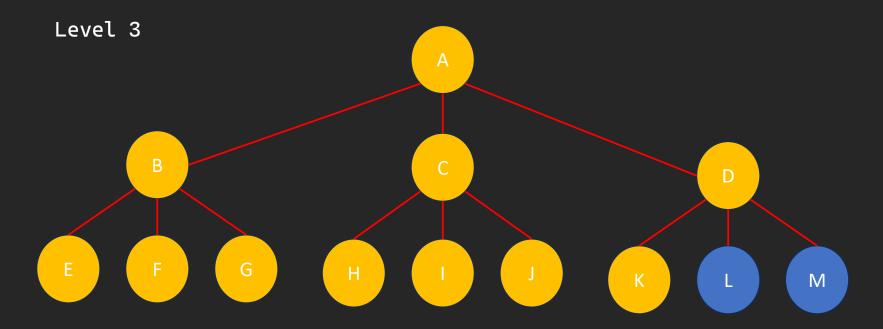
A B C D E F G H I





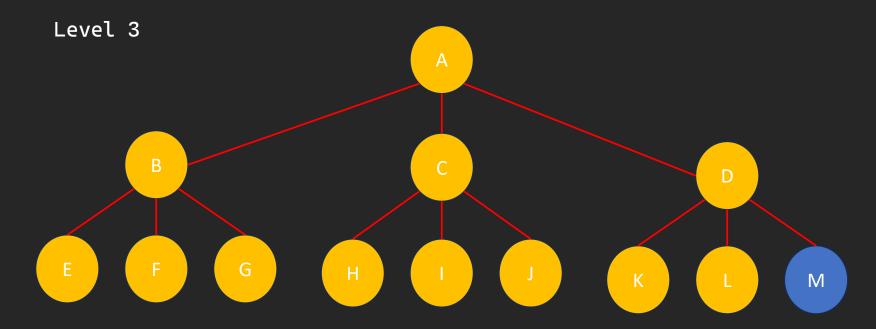








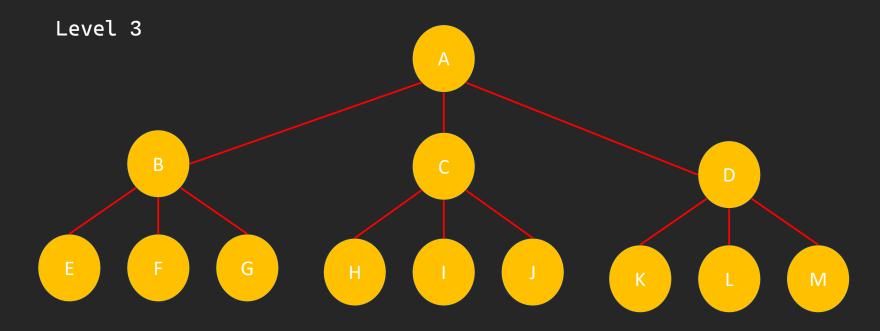






BODEFGHIJKI



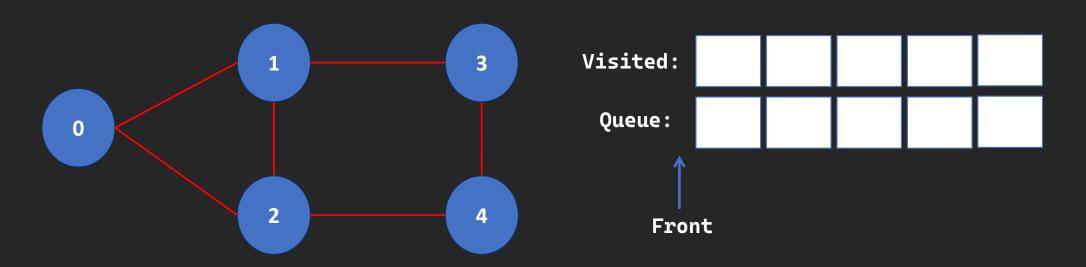




G

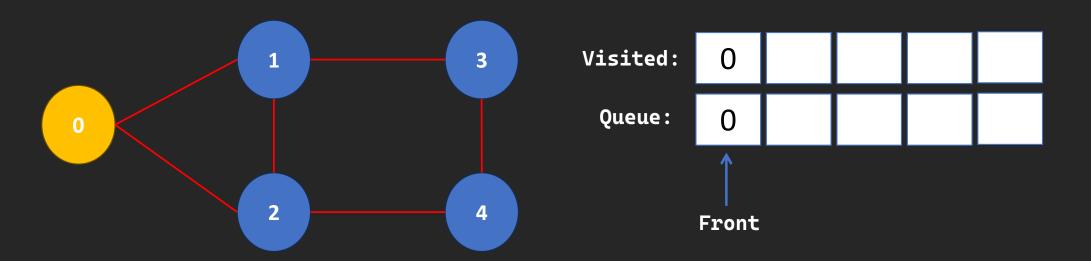


Step 1: Initially Queue and Visited Array are Empty.



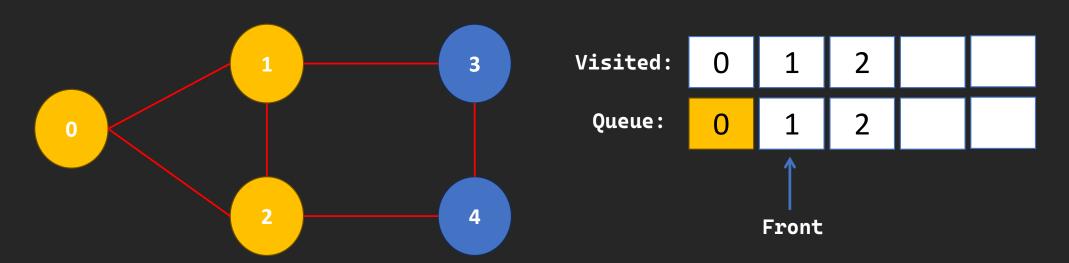


Step 2: Push 0 into queue and make it visited.



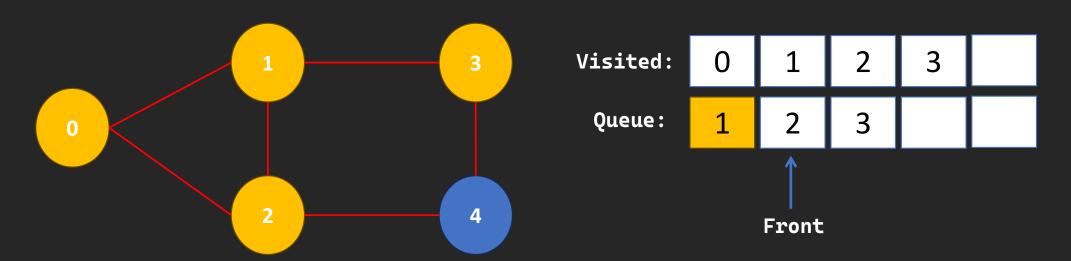


**Step 3:** Remove 0 from the front (Deque) and visit the unvisited neighbors and push them in the queue.



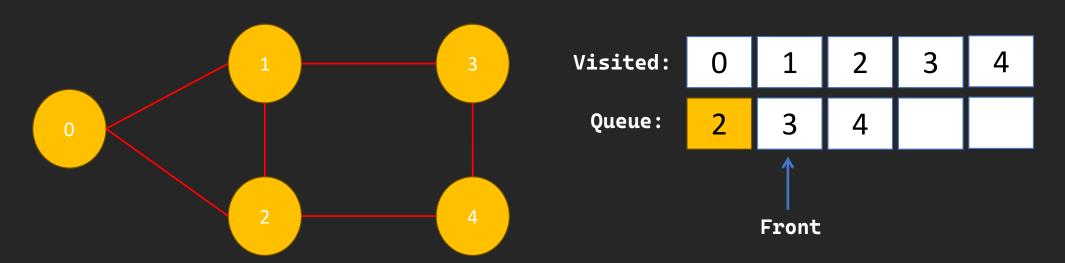


**Step 4:** Remove 1 from the front (Deque) and visit the unvisited neighbors and push them in the queue.



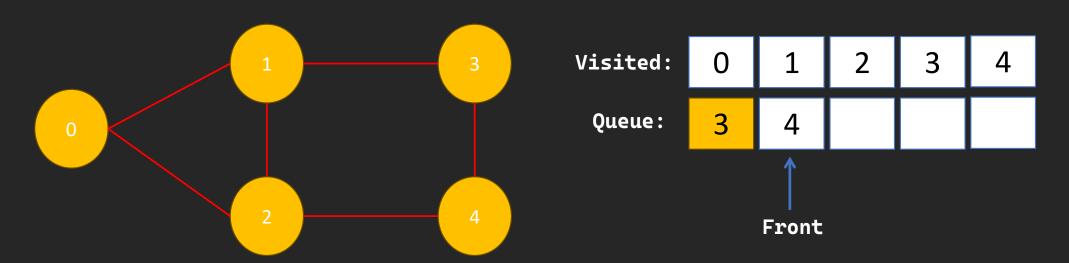


**Step 5:** Remove 2 from the front (Deque) and visit the unvisited neighbors and push them in the queue.





**Step 6:** Remove 3 from the front (Deque) and visit the unvisited neighbors and push them in the queue.





**Step 7:** Remove 4 from the front (Deque) and visit the unvisited neighbors and push them in the queue.

