

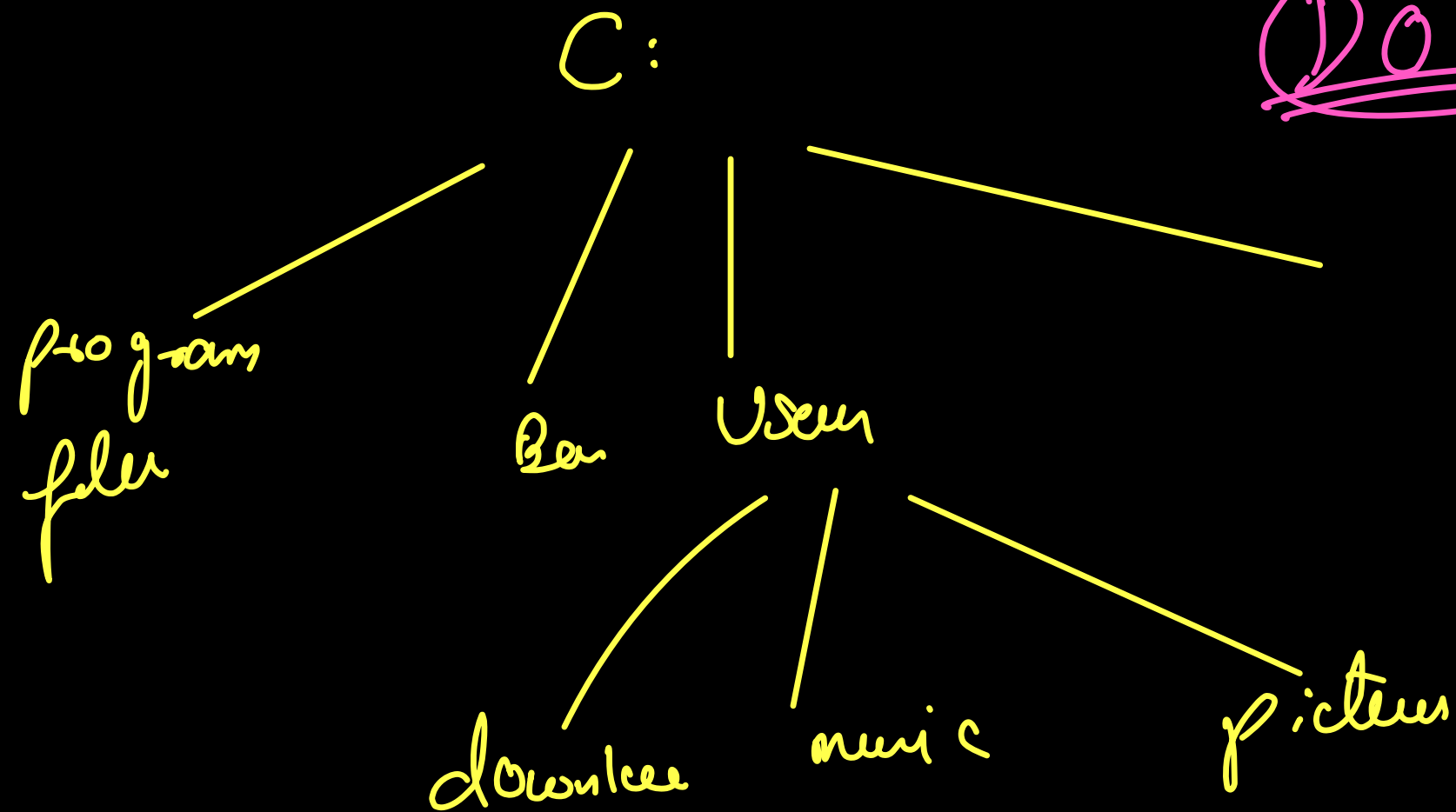
TREES

→ folders

↳ Trees are hierarchy based D.S

browser → html

DOM → tree



<div>

<h1>

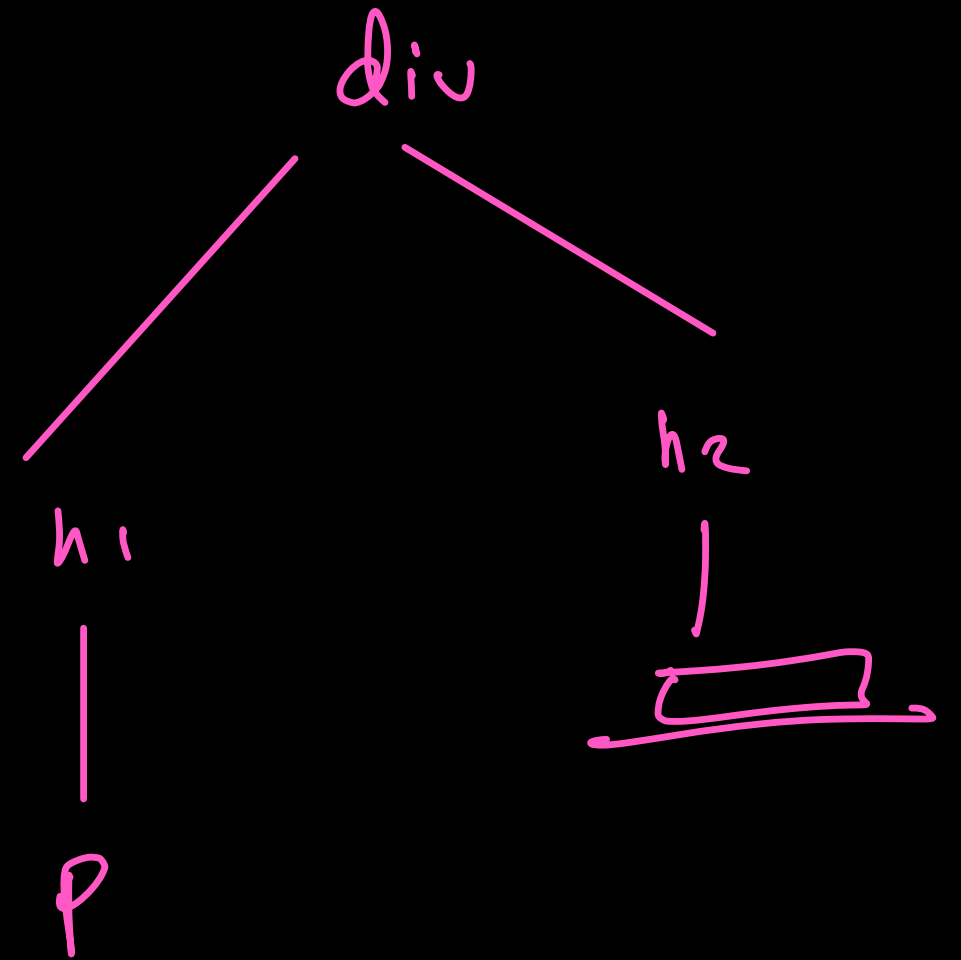
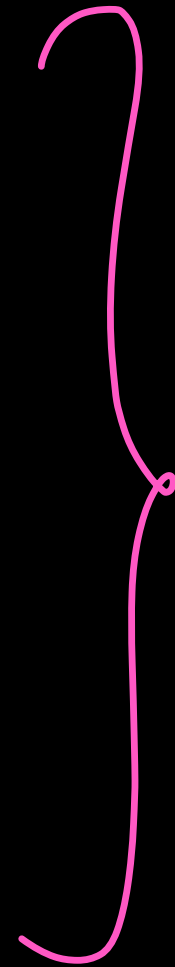
<p>

</h1>

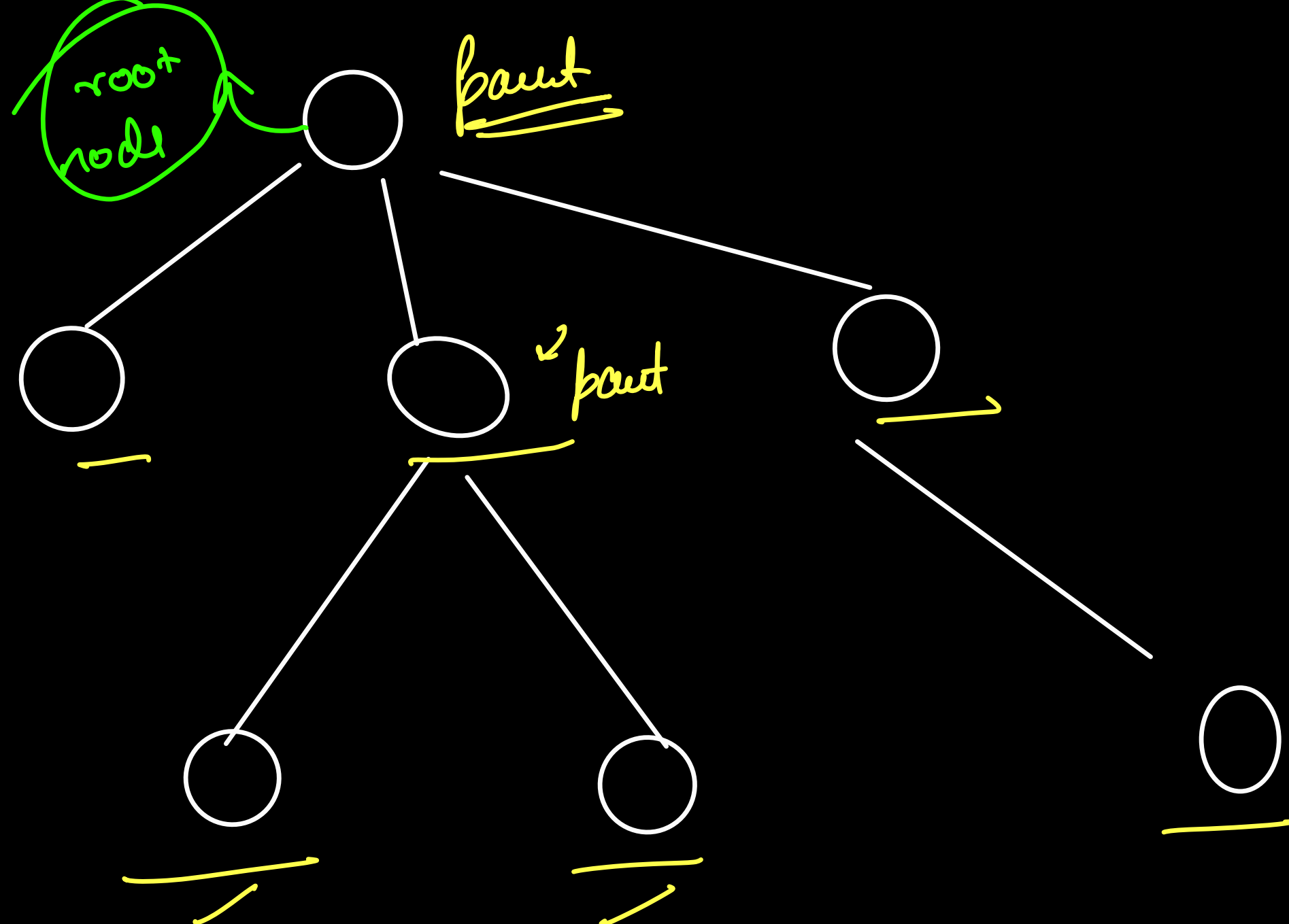
<h2>

</h2>

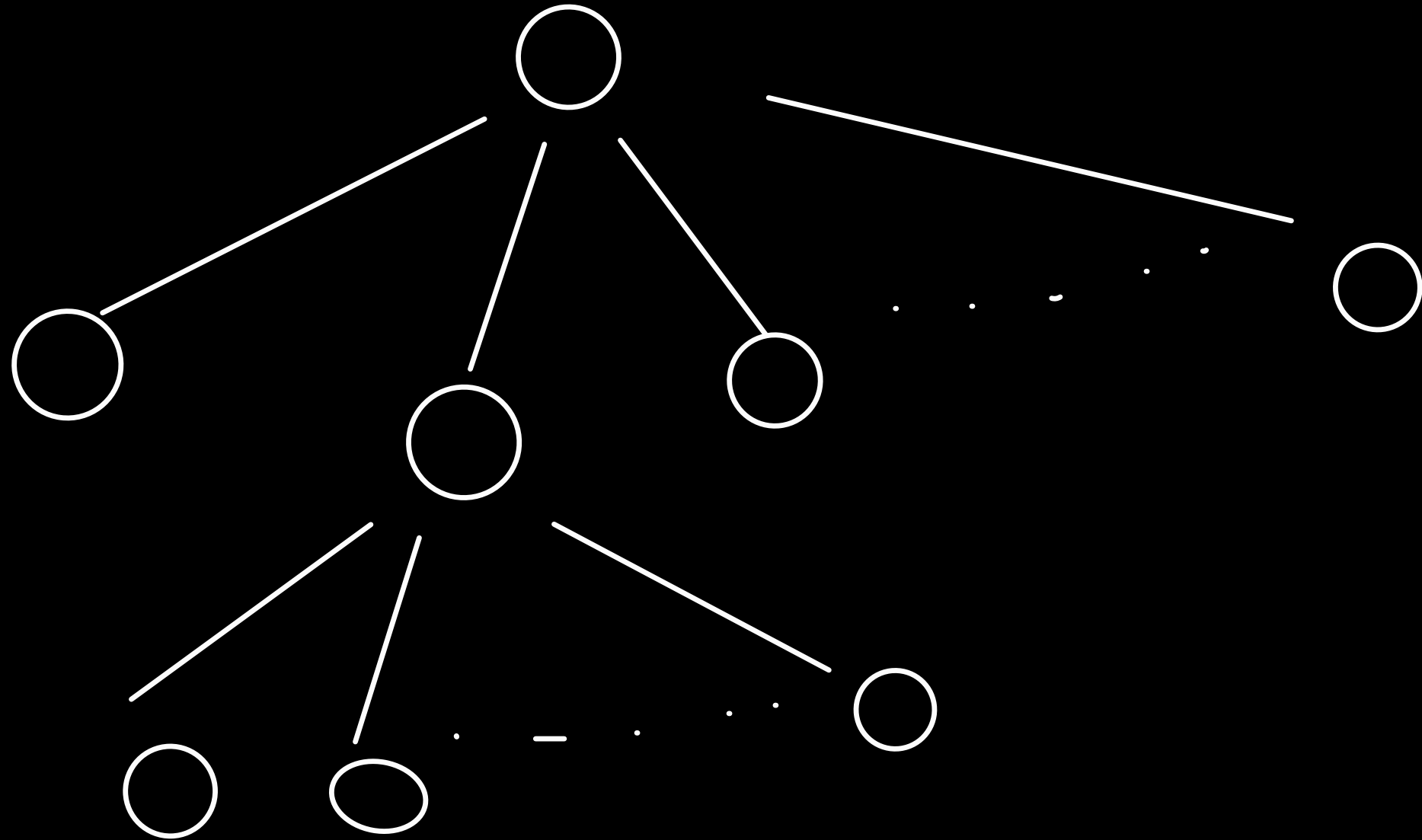
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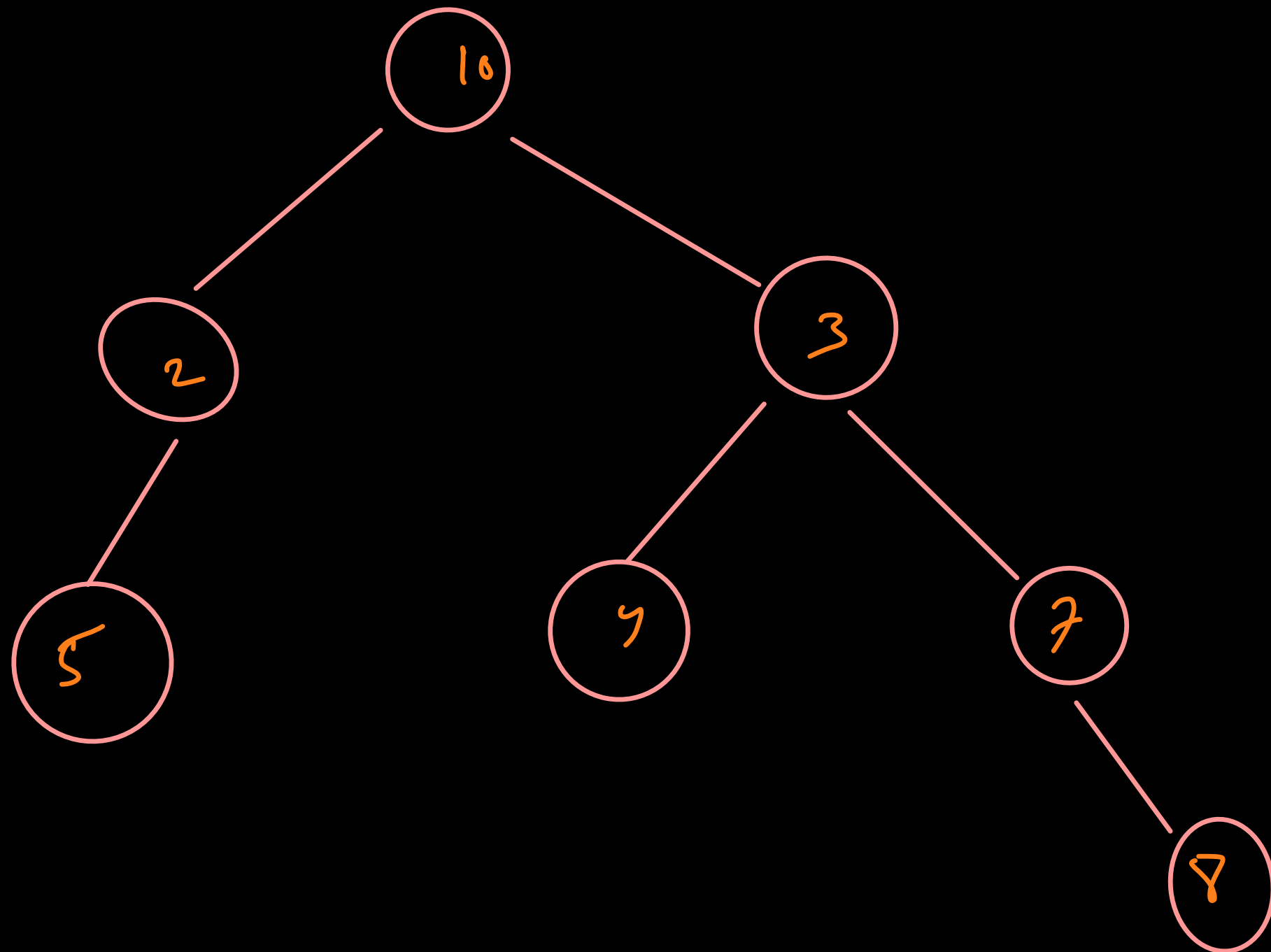
parent nodes
child nodes



① n -ary tree / general tree \rightarrow any part can have children n - no. of



② Binary Tree → any parent can possess max 2 child.



Node



Root

left: 101



↓



11

left: null

right: null



Recursive

Dfs

(depth first)

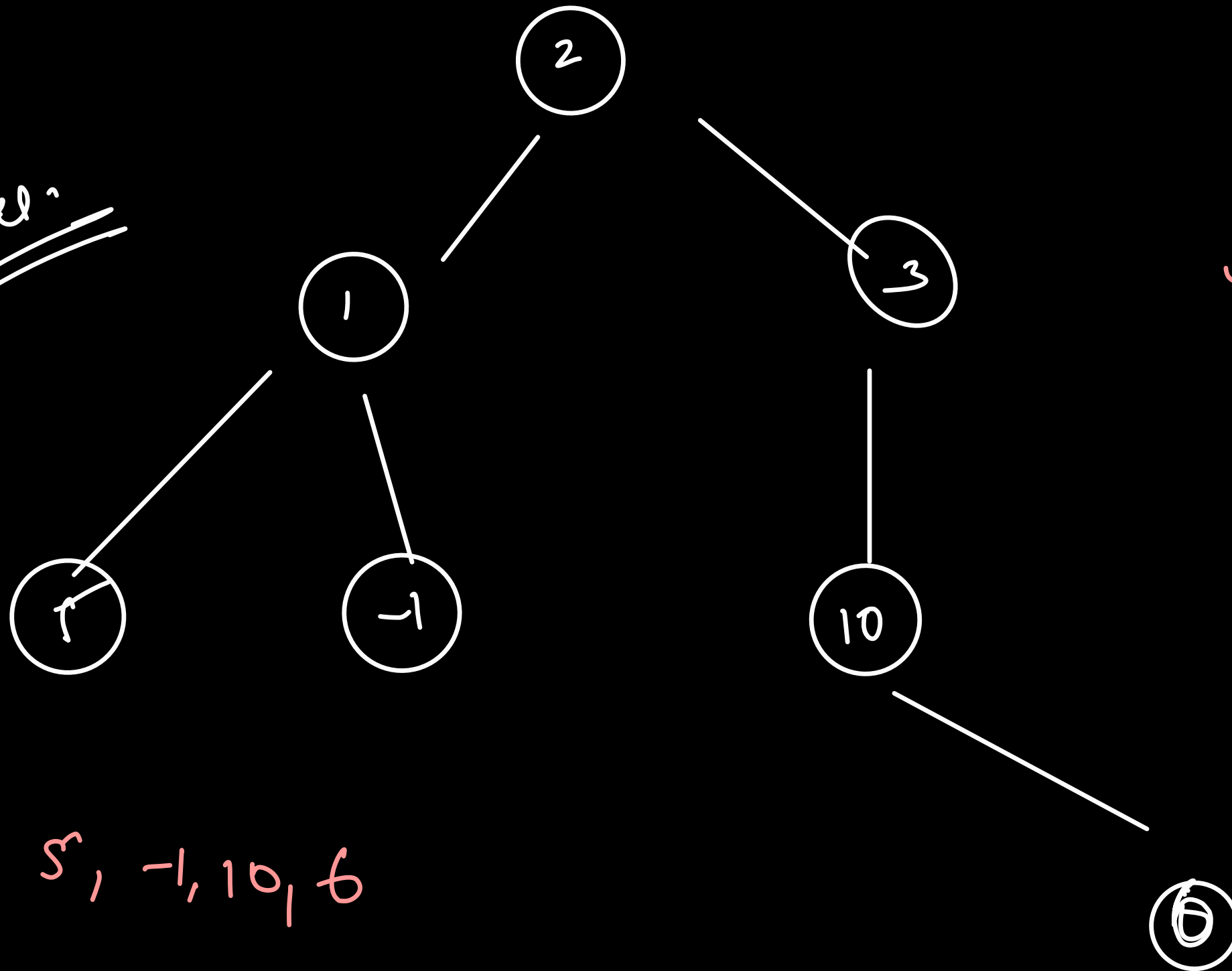
Traversal of tree

Iteration

B.f.s

(Breadth first)

Read the
data of the
whole tree.



B-f-s
↓
level order

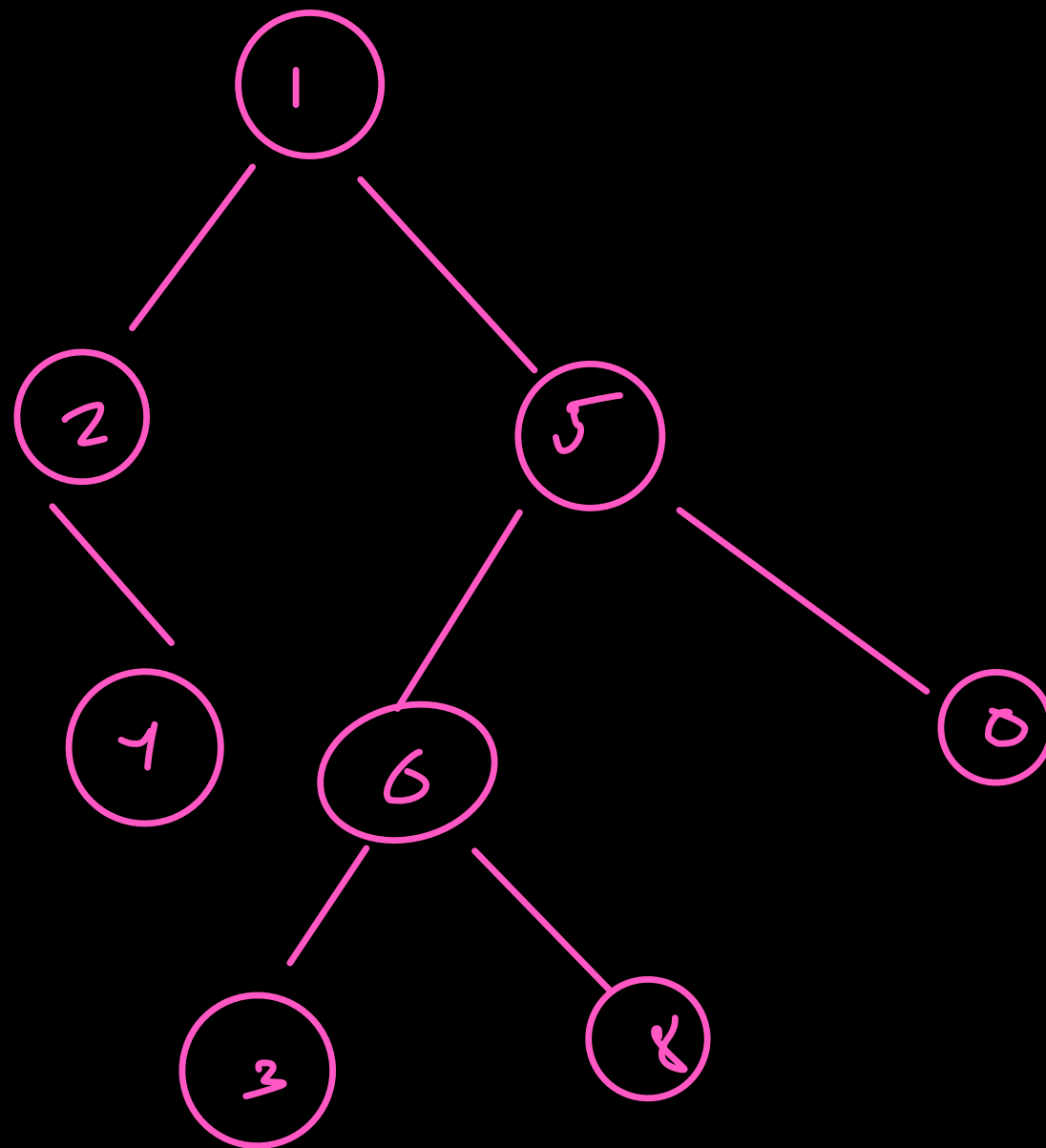
2, 1, 3, 5, -1, 10, 6

fcfs

Queue → fcfs

front

Queue



1 2 5 -1 6 0

