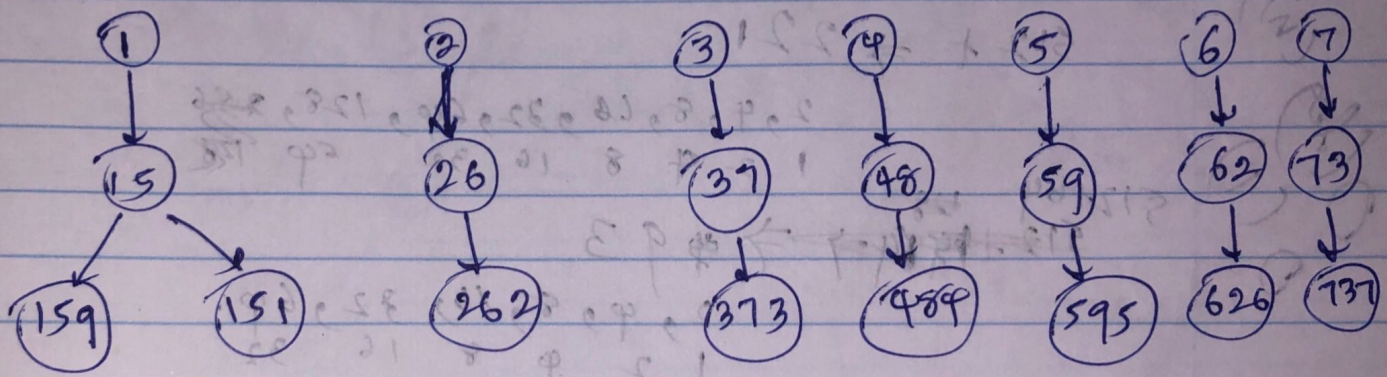
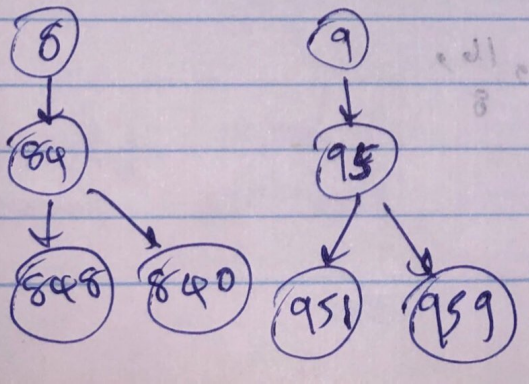
*Numbers With Same Consecutive Differences

digits → 3 difference → 4





#s or bfs.

if K=0, then +K & -K both are the same. skip one in that case.

Date: __/__/__

No: _____

$O(q*2^N) = O(2^{N-1}) = O(2^N)$

$O(N) + O(q \cdot 2^{N-1}) = O(2^N)$

n=2 , k=0

all elements: ideal case is tree traversal

recursion stack initially 1.9

2^N : 2 cases x k & -k for (n-1) iterations.