& Book tracking: It's a problem-solving algorithmic technique that involves finding a solution incrementally by bying to a dead end. It's commonly used in situations where you need to explore multiple possibilities to solve

Letter Combinations of a Phone Number

Ex) digits: "23" Octput: ["ad", "at", "bd", be", "bf", "

de fdet de f

Algorithm:

Num-to_ char = }"2": "Abi",

res.append(curstr)

*9": "wxyz"}

for (in num. to charve (digital index)):

backtrack (index+1, curstr+c)

det backtrack (index, curstr):

if index == len(digits):

(4 bt(1,0) + bt(1,0)), (3) bt(2,0d)

(9 bt (210e)

8)t(204)

(bt(1,b) + bt(2,bd), stou(Lt(2,be), bt(2,bf))

Obtlo, "") > bt (1, a), stack (bt(1,b), bt(1,c)) stack (bt (zae), bt (2at))