DATE Backtracking III Time Complexity of Recursive Algorithm Q Word Search word = "ABCC.ED" ←AP 4 directions > Start from each cell classmate

boundary vesited, match
bool enist (vochas & board, string word) {
bool enist (v char & board, string word) { int m = boald size (); int n = beard [0] size ();
(/ call from each cell for (int i = 0; i < m; i + t) for (int j = 0; j < n; j + t) if (solve (board, i, j, 0, word)) return true:
return true:
setuen false:
void solve (v chae & boold, int i, ent j, int k, string & void
if (i<0 i>= boald sige ()) Letuen false;
if (j < 0 j > = board [0] - size ())
if (j < 0 j > = board [0] - size ()) return falx;
if (board[i][j] == '-') zetin false;
if (board [i] [j] != word [k]) neturn falx;
THEN THE PRINCE TO THE PRINCE
if (\tau > = word. size() \(\begin{align*} \begin{align*} \langle \text{ last char reached & this} \end{align*}
letula true; // cond wam't false classmate // no all goodpage

	DATE DATE
	chal ch = board [i][j];
	//mark visited ~ board [i][j] = '-';
	// traverse LRUD - F
	bool left = solve (boold, i, j-1, k+1, word; - right = - (-, i, j+1, k+1, word); - up = - (-, i-1, j, k+1, -) - down = - (-, i+1, j, -, -)
	return left right up down;
4/10	Shorten call code using for loop
	classmate