	1182 DATE
(A)	Starting from the left there can only be 2 ways to fill the shapes
	or III
2	both of these reduce the problem to (n-2)
•	⇒ if n is gold ⇒ not possible
Α	otherwise 2 n/2 is the mswer (omplexity 0(1)
(B)	*Firstly all *'s in a now or column must be consecutive
	let re(i): (ount of *'s in row i
	c(i): count of *'s in column i
	let T be the total number of *s
	for both if there exists ony ul (i,j) such that
	for it emtoins a'* and r(i)+c(j)-1=T
	then we return true, otherise folse
	Time complexity O(hw) The
C	First B group the words according to number of vowels
	(Let them be G, G2 - GK)
	for each group Gi, we can make & 15:11 pairs that can be used as
	first words in both lines [2]
	B Handstone transmize Note that if a pair can be used as a second word pair
	Then it can also be used as first word pain.
	⇒ He to divide G: → G: (rest of the words) Some lost vowel)
	> FETTE & Note that we can still make f; pairs, but we have maximized
	second word pairs (by making second word pairs first)
	let SF > first word poins, S -> second word poins
	if ISI > IFI + 1, then we can take remove some poins from S
1 3 -	and put them in F until this cond" is not satisfied
	Time complexity: O(hlagn)

	DATE
(1)	let's think at about the diameter of this tree, its treation at the diameter of
,, (if the diameter is and then the only of the englosines many must be rest
	Why? Because all leaves are equidistant from the root (> even diameter &
	Which are not root
	> if the diameter is even, then sither two possibilities
	(D) conter is the most form of the last)
this this	d (2) -4.79
th this	less because if there is a some branch in this chain, it has
15	to be identical to other children of that subtrue
	⇒ po this would change the center
	* Now it may be the lose that some in anter if the branch were there
,	→ all branches are linear chains brown were there
	-> all may be of some depth
	> bick ony return lead of root
	> one is different) > # ruturn its leaf as root
	-> otherwise only 1 bromeh must be a linear chain
	md rate we return its loof as root
	Note: If none of the coses are met , there docum! exist.
	Note 2: Before returning only node as root, we check it first by DFS
	& degree check (verification)
	Time complicating: O(n)
-	
	가 있다. 그런 사람들은 보다 되었다. 그런 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
- I.S.	그는 사람들은 얼마나 살아가면 그 나는 사람들은 이 사람은 어떤 수밖에 다른 사람들이 되었다. 그 나는 사람들은 그는 사람들은 사람들은 사람이 되었다. 나는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은