Also construinty a function

$$b: V \longrightarrow R_{20} \cup Eoo3$$
At each stage, $b(u) = \begin{cases} \infty & it & u not object to a writex in Q to a writex write to a form with the Q to a writex write to a to a writex write to a to a grand the Q to a writex write to a to a writex write to a to a writex write to a to a grand the Q to a writex write to a to a grand the Q to a writex write to a down writex write to a the added satisfies $d(v, x) = d(v, x) + l(x, u)$ some xeQ to by assumption, $d(v, u) = b(u)$.
So can choose u via maty $b(u)$ writemal, then update bis by $b(x) = min \frac{2}{2}d(v, k) + l(u, u)$.$







Trees (and other things)
Def If G is a pseudograph, we define

$$S(G) = \minimimum Jgree of a workex$$

 $\Delta(G) = \max dgree of a wrtex$
Def. A wrtex wild gree 1 is called a leaf
 $ieaf$