M:= On input w 1. For i= 1,2,3,... 2. Rein E, & Ez for i steps 3. For each string x enumerated by E; 4. Check if w=x 5. If yes & i=1 Then accept 6. If yes & i=2 then reject.

$$\frac{flim}{L_1 \leq m} \sum_{k=1}^{\infty} \int_{\tau_k} \int_{\tau_k}$$

× EL(M,) <=> if then also on 3. evaluates To- $2 \Rightarrow H_2 \text{ accepts fax}$ $< \Rightarrow fax \in L(H_2) = L_2$ $< \Rightarrow \times \in L, (by f).$