Thus :

N simulates using mondetermondsom a quenes string X + W on Th M in imput. Observe that if Maccept w it means that  $L(M) \neq \{W\}$  become  $X \in L(M)$  but  $X \notin \{W\}$ . Here Norccepts iff enc(n) E Lp =) Lp is im RE. Now it is STRAIGHTFORWARD to prove that I is a TRIVIAL PROPERTY =) By Rice's Theorem we can say that I p is not in REC. By a known-well theorem we can state that the aly possibility s:

Lp is ~ RE/REC Lp is not RE