Strings x and y are distinguishable with L
iff there is a string z est.
xZEL or YZEL but not both.
Set F of strings
$$\{E, 0, 1, 00\}$$
 $L = (0.187(00.11)^3/10.13)^3$
is a trobing-set for L
2,00 are distingished by $\{E\}$ ($E \notin L$, $OO \in L$]
0,00 E
1,00 E
2,00 E
1,00 E
2,00 E
1,00 E
2,00 E
2,

So Fis a fooling set for L

Fis infinite >> Lis not regular

 \square

