

$\mathbb{Q} L_{1} \longrightarrow \mathbb{Q} \mathbb{Q} \mathbb{Q} \mathbb{Q} \mathbb{Q} \mathbb{Q} \mathbb{Q} \mathbb{Q}$
98=930+931+920=93(0H)+920 -(1)
$q_1 = q_1   + q_2  $ (3)
93 = 970(0+1) by Haden's then
q, = & (o)+
92 = E(0)* + 421
= 0 × 1 ×
final state = 9, +9; 0* + 0*1*
06]
i) L= {ww/we (0,1) +}
Lis regular then pumping length = p
(et 8=01, 01, 10t 10=4
S = 00 00 100001 7642 = 000000100001 fl
here 141>1
12141 5p
ii) L= {anhncn/n} 1} ossure lis regular
:. It has numping length P let 5: a PhPaP, p=4
S=aa ay hhhhacce ny2z=aaaaay hhhhacceft
nere 14170 & 12141 < p
: Lis not regulars.