1) Z = {anbn, n=1} Juning Machine . Match a b' for every a . Mark the matched symbols XX,R 93)4)4/YIR matched 'a' as X' J. DIDIR matched '6' as Y' Initial input take Confis final input take conf:-

Frace aabb % aabb + X2, abb + Xaqbb 1- X22ayb 1- 22 Xayb L x 20 ay b HXX21Yb L XX 7216 H XX92YY H X2XXX HX X2 YY L XXY 23Y H XXXXX 200

L XXXXDFD

2) L= 3 aubucu, n=13 every a. X/X,R Initial confi

final conf: XXXYY12121

3) Construct a Turing Machine for the language of Input take Initial confi final unf: Repeat n (m times)

Given input:

On 10

produe output:

Om*n

multiplication

3) Continued ...

Input type Jime -> Initial conf. 0 0 1 O 2 3 4 D D ଠ X ପ O X X O K O X O final conf. O

3) Continued ...

