@ Instantaneous Description of PDA!

1 L) Any Configuration of PDA Can be described by triplet (2, 10, x) where

3. 19 is the current state of PDA (OSD) (OSD) (OSD) (OSD)

To is the memaining input that is had a conductible included to be

o a is the stack Contents.

Conventionally, we show the top of stack at the left of & and bottom at the right end. Such a description by a triplet is called an instanteneous description.

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€ (10) big) = (1018)

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@ turnstile Notation!

'H' sign describes the turnstile notation and represents one move sign . -

'I' sign describes a sequence of moves.

eg. (1, b, T) + (1, w, x)

It means while taking a transition from state p to q, the input symbol b' is consumed and the top of the start 'T' is represented by a new doing of.

Example A PDA accepting a string over ea, by such that number of a's and number of bis are equal i.e L = { volvo & fa, b 3 x 3, and a's & bis one equal.

Soln. Let P be the PDA given by:

19 = 1

 $\Sigma = \{a,b\}$

Jan - {a, b, 209

20 = 20

20 = 20

f = 21

testentangologic Resimplification (PDA) Now; S' is defined, as: 18 holdisch bland in builden bland in in it is in the standard in its in the interior SC20, a, zo) - (20, azo) AJAI De MALA The de les traines altreinfr. 8 (90, b, 20) -> (10, b20) 2. - 18 131 the tetrack darkents. -) (2010a) S(90, a, a) 3. constraint and show the top of tiplet is called and my continued of and post on a significant of the called on respondent as the called on respondent and and so the called on respondent and and so the called on respondent as the called on respondent and and the called on the called 4. > (20,E) S(20, a, b) 5. S(20, b,a) > (20,E) 6. SC (0, E, 20) (1, 20) accept noitation aditant est estimate in security 7. is signi describée a sécritence of mons. transition Diagram is (anolaro) given by! (1)16年了上(1310)《) 16 incoming and the top of the state T is not Timbling any const. 20 1 (b) 20 | 622) doubt done l'ajor propriéte à partember Add à A 2 Janes (bial E) out 2 00 100 ? = 1 0 11 though 210 24 to reduce biss che equel To ming Add off of the both given of Joseph Colombian - fair proof 70 = 20 10 = 10. 13 = 1

let us trace for input symbol 'w' = aabbbaab				
The along configuration of principle and principle dealed by log longer (1000 x) where.				
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