CURS #4

UHDE SUNTEM

function infinition colonlabile

fundre patial recursive

MASINA TURING - functii de biza

- opochi / compunare rec primitivo

minimpore

g(xjy) totala

h(x) = /] [7(x,7)=0]

T) f portalreams, v= (=> f calculobil= de o majin= Turing

banks de intrare (read only) 2 alfabit 1 black S ston 1 DIT Sint FES stori 1 K benzi de luera

EXCEPTIE dace M one o singura bande => pate scrie pe banda respective

f. 3x 2" -> Sx 2"x $\left\{ - \right\} \leftarrow \left\{ \right\}$ CONVENTE Capat de barde (D) INPUT XEZ* Civit (X) configuration mitigal 5 pe intraren Co -> C/ -> C/ -> - - -Civirix) Config finate Cm cu Stree

OUTPUT M(x) = 22 artintul henri reaire in Co JACK COPELAND

THE ANNOTARED TURING S136-137 (T) Ofundèle calculabile de omt. pution reasons Spython, eta?
Automte Celebre = Gare of Life,

(APROAPE) TO ATE MONELELE

DE MASINA TURING - AC PUTELL

BANDA DUBLU INFINITA

BANDA SIMPLU INFINITA

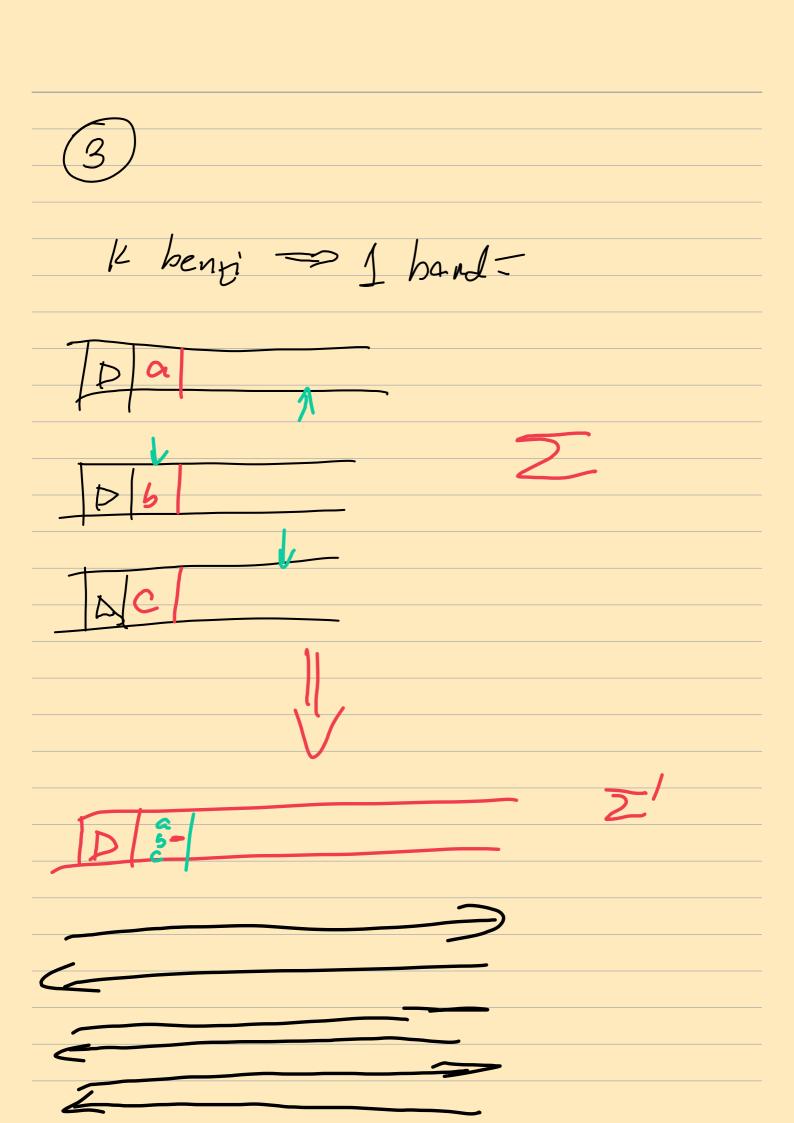
Fledabc

Da b c

 $z' \rightarrow (a,d)$

(2)|2|>2 |2||=2

 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$



Growet Mdela) precis de MI MASINA TURING UNIVERSACA PROGRAM "UNIVERSAL" SIMULEALLY TOATE PROFRAMELE POSIDICE TULING EXISTE O MASINE TURNS

UNIVERSACA

M1, M2, -. Mn -.

l'unerere a tuturor M.T

U(z)

 $Z = \langle i, x \rangle$ U SIMULEAZA $M_i(x)$

U(21,X>) similar - T posi M:(x)

în O(T log(T)) pasi

(complexitate)

160

JURIS HARTMANIS ROBERT STEARTS

DEE

DiKX

Codef. lui 7

Part Copiez i pe banda de lucru

Ca sã Simuler 1 pas Mi(X)

lacru

Sarex bounda de lacra

Pera goses instr

Pelevanta

Exp de functii cone nu sunt cala de a Masine Turing

