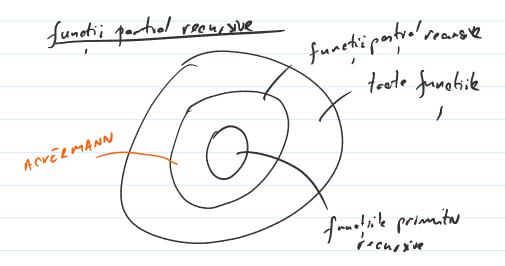
MASINA TULING

22-FMI - INFO-IF-RO-INFO-TC-TC-3-1-CC

Calon labilitate & complexitate.

Autoinseriere: CC2022

gabriel. istrate @ fmi.



MASINA TURINE (1936-37)

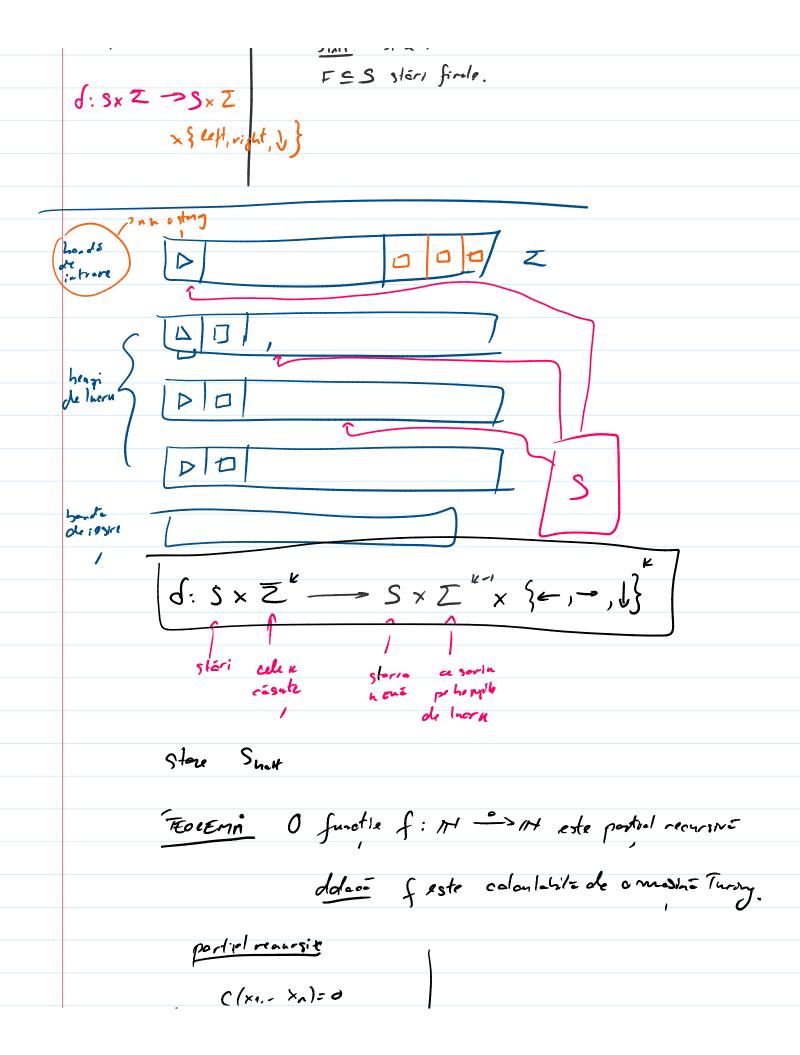
AUTOMAT FINIT

Smilting de stori

2 alfabet

Sinit - Store imittele

F = S start finale.



((x1,- xn)=0 function S(x)=x+1 de 62= 11i (x1-xn)=xi

folga. - yn)

recurrice primitive

Masine Turing

Turing complete the mod accidental

1. UNIVERSALITATE

Propon > Z x > M

Enumelose M1, M2, - - M1. - .

a tuturar Mansini las Turing.

(a) YM 3 Mi M = Mi

(5) + M 3 M; a.i. M= M;

(T) Existe o marshe Turing M) a.T.

· M(x) colonler (d, t) ail. x=(d, z) o M(x) symbolo - M2(2) Data Ma (7) acapti în T pesi atunei mosine Turing mosine Turing de to de DA NU Def l' deville => L = Z* A se anneste recursi lamerabile $f(x) = \begin{cases} 1 & x \in A \\ 4 & x \notin Q \end{cases}$ poote fi celon late de a MT (este postrol recursivo) A se numeste recursiva

 $f(x) = \begin{cases} 1 & x \in A \\ 0 & x \notin A \end{cases}$

este calculabiliste o MT core se opreste intotaloung

