## CURS #3

1 UNDE SUNTEM Madel press f. M > M calculabilità Of.

Function of printing recursive

function (in Ackermany)

fet calculable Loof

INTUITE Pt a préen formalise clasa fet calculabile (intaité ) trebuse 9: Intern frotie partiale

Pp M = 3 fm 3 nodes fm: M > M

g(1) = fm (n) +1

FUNCTIO PARTIAL RECURSINE

f(x) of pentrarea of one returned in regulat

C: 1 -> ~

OPERATION

- Compunere

- rec primitive

- minimique.

 $g(x,y) \longrightarrow k(x)$ 

 $h(x) = \begin{cases} \begin{cases} \begin{cases} 2 \\ 3 \end{cases} \\ 4 \end{cases} = 0 \end{cases}$   $da = \begin{cases} 3 \\ 3 \end{cases} \\ da = \begin{cases} 3 \\ 3 \end{cases} \\ da = \begin{cases} 3 \end{cases}$ 

"PROGRAM" pt h

 $\begin{cases}
2=0 \\
\text{Nohile } g(x, z) \neq 0
\end{cases}$  z + t z + t z + t

TEXA LUI CHURCH Fct intuitive calculabile

=

tranctie partial recursive

Masini Turky Fuction portial rec Functie Calo de o masina Turing Russell & Whitehead Principle Mathematica O procedure mecarica David Hilbert cose verifio-doco un regultate motomatit este San ju adeissat (demonstratie dasse este) model maternatic Alan Turing (1935-37) de calon Kurt Gödel exist of for -> exista promotematice adevarate der pt care un exista demonstration Tate-un sistem former.

lambaje (Coa, LEAH) Eilde-oastre famaliza dem matematice verifice dem 5 HEVAL) MASINA TURING Jflap.org 4101011 2 alfibet finit DEZ blank S stári 6, Z- XS --> ZXSX2(c-, ->1

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FCS Sterl Finde

Snites stirtials

L(M)={xeZx | M(x) ujuge in sef}

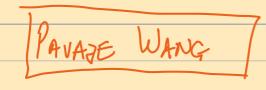
Calculez functii banda de resire

Variate - mai multe benzi de lucra

T) f partiel resurs 5 = f calculabile de O Masine Turing.

TURING exists pb care ru sont calculabile de o

SPb Opririi



Sedan



n-finit (arbitrar) de placi

Dedeais Pot pue tot pland on placife dens



