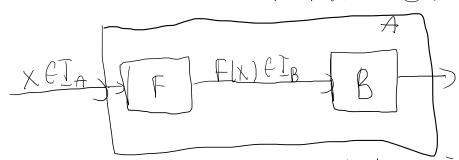
A LT B (=) 3 F a.l. + X f IA => F(X) E IR a.î. ALXIZA (=) BLFLX/1-1



ET relatie de ordine (,A la fel de uzoara seu mai uzaarà ca B')

ALB, BER SAFR

ALTB, AERE => BER, BERE Sour NRE

ALTB, AENRESTBENRE

HALTERER doca vrean soi dem. BEREY

ALTB, BLTC DALTC

· A EFEIR, CER (F)

· CE RE, AUBERE A

· AER, BERE, CENRE A

AER, 3 PALXI= 1, XEA $= \bigcap_{A} (x) = \bigcup_{A} (x) = \bigcup_$

PALXI= ! PALX) =) AER

· BER, FER (BER=)AER=) FER) A

CERENRIAER (A)

BERE, BACERE (F) AIR MACA CERE

CER, BENRE (F)

BERE) TER ? (F)

AIR MADACA CER

Past correspondance problem $W = [W_1, W_2, \dots, W_n]$ aabbbb $\chi = [\chi_{1}, \chi_{2}, \dots, \chi_{n}]$ 7 K Si in, in ik a. 7. Win Wiz Wif = Xin Xiz - Xit W = [a, bb, a] $\chi = (aa, b, bb]$ 1-PCP: 15 mour simbal, N= [a], X= [aa] => ER (mare sol) a a b b b b alt ex: w= [a, bb, ab, abe], x= (bad, bcd, od, d] ER (ma are sol) PCPEREIR HALTET PCP MPCP: Salutule trb sa mcrapa CU1
HALT 4 MPCP 4 PCP

MPCP L_T PCP

MPCP(W,X) => PCP(W,X) = 1

Final MPCP(W,X) = 1 (=) PCP(F(W,X)) = 1

Final MPCP(W,X) = 1 (=) PCP(F(W,X)) = 1

Law, adams & dupa fuicare simbal (X = [ab] => W' = [*a*b]

Lax, adams & mainte de fuicare simbal (X = [ab] => X' = [*a*b]

Law, adams & la meput (W = [ab | be] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab | be] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [a] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [a] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la meput (W = [ab] => W' = [*a*b*, b*c*]

Law, adams & la

Gramatici independente de context

610 N-neterminali T-terminali S - Simbal start

5-) A A - a B / l - e= numic $B \rightarrow aAb$

SJA-Jab-) QaAb-) -> aaabb ->aaaaAb> -> aaaab

p-reguli

PI-prochlema intersection a dona Gic LCG11 1 LCG21 & O PCP 4-Pi => PiE RE

```
VID: P mu se apreste pe micini input?

VID: P se apreste pe arice input?

VID : P se apreste pe arice input?

VID (F(p,m)): 1 (vip(f(p,m))) = 0

F a 2. PO(p,w)=1=) \overline{Vip}(F(p,m)) = 1 \Rightarrow P(m) \neq L \Rightarrow P'(m) \neq L \neq M

pt. PO > P

pt. VID -> P)

pl. (X) \neq M

rutum \Rightarrow M

rutum \Rightarrow
```

Seminar 2 reduceri Turing Page 6

$$PO = P_{5}$$
 $F(P, m) \rightarrow P'(a.1. PO(P, m) = 1 = 1) P_{5}(P') = 1$
 $F(X)^{2}$
 $F(X)^{2}$
 $F(Y)^{2}$
 $F(Y)^{2}$

```
EQP
```

EQP(P_1,P_2): Seapose P_1 si P_2 pe ac imputoum? $PO \subseteq_T EQP \Rightarrow EQPERENR$ $\exists FQ? F(P_1,M) \Rightarrow P_1, P_2$ $P(A) = P_2(A) = P(A) =$