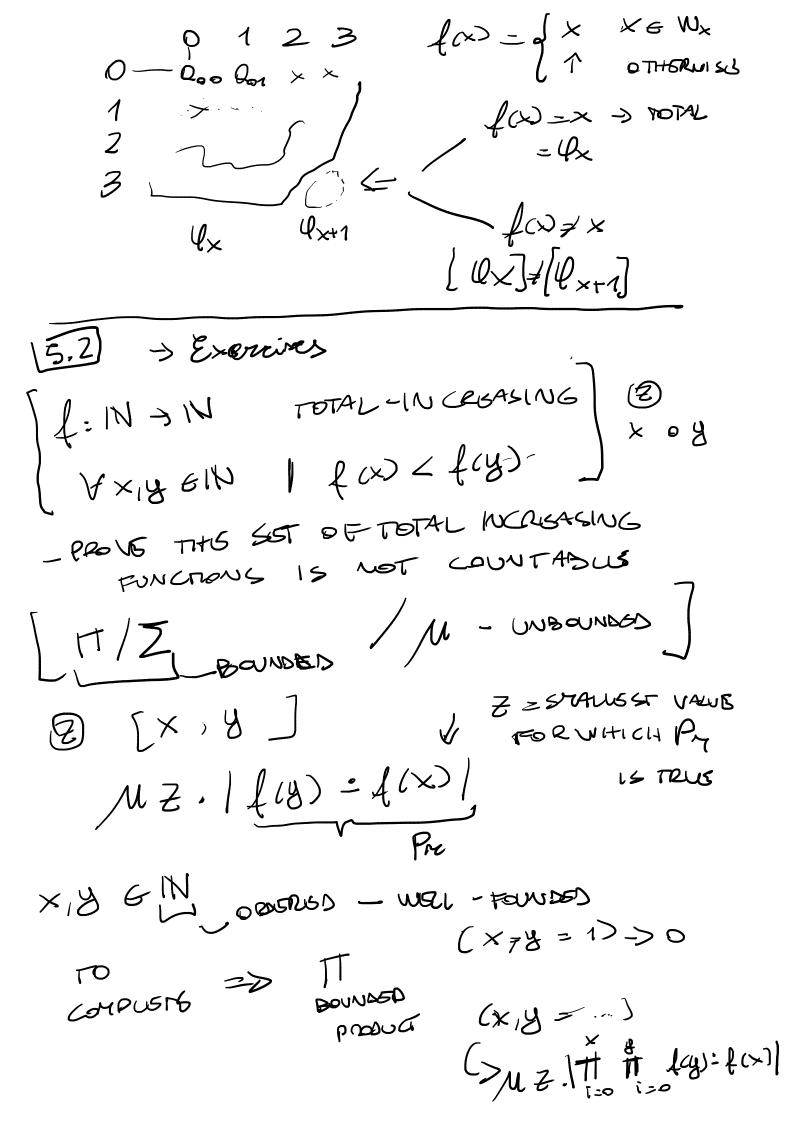
06/11/2024 -> Conjutatility (MEGTING 3) (pursulon) _ 5 NUTORATNG URM PROGRAMS -> A CKERDANN FUN COION - DIA GONAUZATION - MINIMIZATION 3 EXAMPLUSS -> HOW PO -> EXECUSES ON PIR /URT weing ntor CORPOSITION -Z500 -6012 -5006555R - MINITALIZATION _ 2 % 3500 N ACKEDIANN -> PR -> PARTIAL RISCUESIUS [Defined on some injutos) A CICODIANN -> TOTAL NOT PEINITINE RECUESING (PSI) MINIMIZATION (M) = UNBOUNDOD (> 5×PRSSS POTAL THN65 (EVSN WHEN THEY ARE NOT)

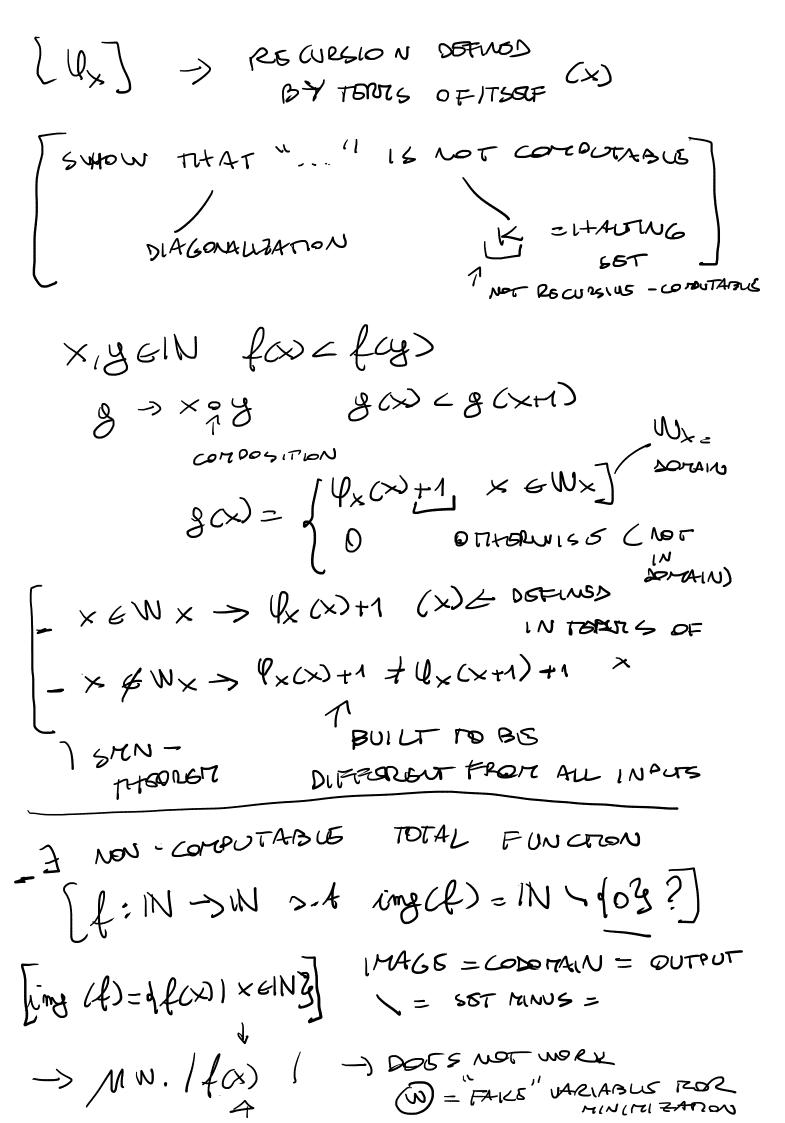
PR > DAGRATIONS (S IR >) NUPUTS
ACKENTANN > START: IR (X,Y) FACT CROWTH
n times FOR was
-) ACKORANN -> WILLY USUSUS
M-OPGRAFOR PI=TRUS
M = 00000000 NE). (x - y)
FUN CITION TOTAL COVERTABLE
YKPR
IR >> PARTIAL -> SOME INDUTS
Wn = DOTAIN En = COSOMAIN
(Λ)

(UX) > VARPHI (PHI)

ROTE ENSTRUCTION => DIFFERENT

FROM ENSRY INPUT





SUTT-CHARATERISTIC > R.E. [1 > 5671-] [1 > RECURSION (O) CCHARAGEISTIC) $f(x) = \begin{cases} \times +1 \times 6Wx = MS \cdot |f(x) + 1 = x| \\ 0 & \text{otherwise} \\ = Mw \cdot |6 - 5| = \end{cases}$ LCX) = X -> IDEMINY FUNCTION (15)=5] → EXAMAG function TOTAL > DOFINGO FOR
ALL INPUTS NOT CORPUTABUS -> fax)=x+1 xGUx (N \ 903) for >0 > fox x W× L00≥0 567. Jueln I Jun E Mw. | f(x) | wo. | f(x)=x1 TRYING PARTAL -> X=0 10 ACHI 6VB

$$4(x) = \sqrt{[4]x(x+1)} \quad \text{if } x \in \mathbb{N} \times]$$

$$0 \quad \text{otherwise}$$

$$= \text{Prove half: } |\mathbb{N} \to |\mathbb{N}$$

$$\text{obtained by holf } = [\frac{1}{2}] \text{ is } |\mathbb{P} |\mathbb{R}$$

$$\text{fold } |0\rangle = \frac{0}{2} = 0 \quad [Q(x^2, y^2)] \xrightarrow{2} = \frac{1}{2} \text{ possional}$$

$$\text{holf } (y+1) = \text{holf } (y)$$

$$\text{holf } (y+1) = \text{holf } (y)$$

$$\text{Hom} \quad \text{pourpout}$$

$$\text{Hom}_2(x) \to |\mathbb{P} |\mathbb{R}$$

$$\text{Holf } (y+1) = \text{holf } (y) + \text{Hom}_2(y) \xrightarrow{2} \text{Hom}_2(x)$$

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$$\text{holf } (y+1) = \text{holf } (y) + \text{Hom}_2(y) \xrightarrow{2} \text{Holf } (y) = \text{holf } (y) =$$

MINIMIZATION -> 23(10-61) _ a = b -> 28 (a-b) _a>b >> 20 (a+1 - b) - a ≥ b -> MULTIPUCATIONS - OR (+) -> ADDIMONS - AND (-) -> SIGNS/[NOGATOD] 1 SIGNS/ O _ NOT (!) $f(x) = \begin{cases} 0 & \text{if } x = 0 \end{cases} \text{ as } \frac{3}{8160} = 0$ $f(x) = \begin{cases} 1 & \text{if } x \text{ is even and } x > 0 \end{cases}$ $= \begin{cases} 2 & \text{if } x \text{ is odd} \end{cases}$ =/UW./\bg (x) + \g(rum(x,2))+1]. (1- 8-(X)) $f(x,y) = \begin{cases} x & \text{if } x > y \\ y & \text{if } y > x \end{cases}$ $f(x,y) = \begin{cases} y & \text{if } y > x \end{cases}$ $100 & \text{if } x \notin W_x \end{cases} 100 - \log|x-y|$

= nw. | x · 78 (x = 8) + 9 · 78 (8 = x) 1 · (m) =