pocateon Fundre

1) unlova Fundre \$ 5: N° -> N g: () >0 2) mastedhis 5: N -> N 5(x) = x+1 3) projetce Ti. N. -> M TT = (x11.../xk1/xk1/xk1/.../xn) = x5 prinitive returning funder S: N> -> Nn 4) Londinace F: N2 -> Nm Exo: M2 -> Marty X CN3 $\neq \times \mathcal{A}(\mathbb{X}) = (\mathcal{A}(\mathbb{X}), \mathcal{A}(\mathbb{X}))$

207: NS > Nm 2:N_> Nn ZE WIS $gof(\overline{x}) = g(f(\overline{x}))$ 6) prinitive reduce 9: N2 -> Nm h: N2+m+7 Nm E: MS+V => N~ F(x,0)=x F(x,0)=T(x) F(x,y+1)=T(x,y+1)F(z,0) = 3(z)F(z,y1) = h(z,y F(z,y), x ∈ N2 g: Nutil -> N 7) minimalizace g(z,y) je det. Hz < y F: My -> M F(z) = mo Lg(z,y)=0] medet: No -> N nedet() = mos [1=0]

$$w_{0}^{0}$$
 (($\sigma_{0} \in X_{0}^{0}$) ((σ_{0}

$$\frac{1}{2}(5 \times 5) \circ T_{2}^{2}(4,7) = (5 \times 5) \circ T_{2}^{2}(4,7)$$

$$= (5 \times 5) = (5,8)$$

$$= (6,8)$$

$$\begin{aligned}
& + (x,0) = \sigma(x) \\
& + (x,y+1) = \Pi_3^3(x,y) + (x,y) \\
& + (5,3) = \Pi_3^3(5,2,6) = 6 \\
& + (5,2) = \Pi_3^3(5,1,6) = 6 \\
& + (5,0) = \Pi_3^3(5,0) + (5,0) = \Pi_3^3(5,0,6) = 6 \\
& + (5,0) = \sigma(5) = 6
\end{aligned}$$

Ulaste, se fundre suap privasujent lasdé trojeci (4 y/2) drojici (4,1), étera venidre z-rasodron zamenon × a sije primitive reducant. 9: N2 -> N2 suap = (x,y,0) = 172×17 (x,y) suap = (x,y,2+1) = 175×175 (x,y) suap = (x,y,2+1) = 175×175 (x,y) T1:115->112 Ulaste, re Finde plas je PR plus (x,0) = T1(x) plus (x, y+1) = 50 T3(x, y plus (x,y)) ξ·Π¹(x) Uzarle, re Finde mult je Ph mult(x,0) = 5.077(x) mult (x,y+1) =pluso(173x173)(x,y,mult(x,y)) x. (y+1) = x+x.y

Fact (x) = x!

Fact (0) =
$$608$$
 (x, fact (x))

Fact (xn) = (x, fact (x))

Multiple (0) = 100 (x, fact (x))

Prod(x) = (x, fact (x))

Fact (x, fact (x))

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Prod(x) =

eresonis [1 poind x je sude neso 0 O jine | suap (0,1,3) eren: N1 -> N1 (0,1) ~~ (10) ~2)(0,1) 27(1,0) T2 0 swap 0 (80TT0) x (6050TT0) x TT1 even(x) [x].2 =x neg(x) { o poind x > 0 pourijle monis neg = monus (1,x)

$$F(xy_1z) = \begin{cases} x & \text{seli } 2 & \text{sude} \end{cases}$$

$$F(xy_1z) = T^2(\text{suap}(x_1x_1z))$$

$$F(xy_1z) = x \cdot \text{even}(z) + y \cdot \text{reg}(\text{even}(z))$$

Dolarte, re pro Pariate res. Fre F: M-M: 2: M-M: 7 nent Funde h: M-> N paraiste red.

Lobe h(x) { g(x) je-l; F(x) det.

y(x) { g(x) je-l; F(x) undet. Dalaz sporen Predposlad je: h je par res. F(x) = 1 pord x je corle, je loz Linam.

Zapis odponda (ri) (#XXX)

Zde WE L(H) pro TS M h(x) = { 1 poind x = < m7(H7(W) a weL(m) h(x) = { 0 poind x = meplaty 2 and medo x je neplaty 2 and x je neplaty 3 and x je neplaty 2 and x je neplaty 3 and x je neplaty g(x) = 0h rozhoduje deretut v RE jazza no spor

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Male 2 disposis Funde F(x, y) a Implementite v jazyce C Fridei 3(x) = my [neg (F(x, y), 1) = 0] unsigned a (unsigned x) { unstayed u =0 while (\$ (x, x) != 1) {

5 ynorten for mours, mult, div, eg, neg rapiste Findei gedkry - nejsetst spolest délibel x a s gcd(x,y)=max({LEN|JaeN.x=a.d, NJbeNl.y=b.d3) predpolladere x = u 1 = gcd (4y) =x par se nivere savit rajet rejnerste talore, re acd(xy)=x-2 ged x = x = morns (x / m2 [... divides (cy) = eq(mult(div(y)x),x),y) ged zeg (x,y) = nours (x, u2 [neglodindes (x-2,x)) + neglodindes (x-2,y) =0]