

③

$yx.yyyz$ - в WNF, но не в NF.

$(yx.(xy.y)xx)$ - в NF, но не в NF.

$(xx.x)y$ - ~~не~~ в WNF.

(6)

pred := ~~rec~~ rec K* 0

(7)

fib := ~~rec~~ (ap mul rec (λxy. (mul x (suc y)))) 1

(8)

(9)

sub := λm n. n₂ (λx. if (isZero x) 0 (pred x)) n₁

(10)

ee := λm n. isZero (sub n₁ n₂)

(11)

ea := λm n. AND (isZero (sub n₁ n₂)) (isZero
(sub n₂ n₁))

(12)

af. 1 plus 0

13

head = 21.1K0

14

21. head (1 (2ht. if (isNil t) (cons h nil) t)
0)

15

2L. fst (L (2ht. pair (snd t) (&cons ht))
(pair nil nil))