

global

factorial: ←



23

n: 6 (* 6 (fact 5))

n: 5 (* 5 (fact 4))

n: 4 (* 4 (fact 3))

n: 3 (* 3 (fact 2))

n: 2 (* 2 (fact 1))

n: 1 1

parameters: n

body: (if (= n 1)

1
(* n (fact (dec n)))

lectoral:
fact-iter:

(lectoral 6)

E_3 (n:6) (fact-iter 1 1 6)

E_2 → product 1
counter 1
max-count 6 (fact-iter (* 1 1)
(+ 1 1)
6)))

E_4 → product 1
counter 2
max-count 6 (fact-iter (* 2 1)
(+ 2 1)
6)))

E_5 → product 2
counter 3
max-count 6 (fact-iter (* 3 2)
(+ 3 1)
6)))

E_6 → product 6
counter 4
max-count 6 (fact-iter (* 4 6)
(+ 4 1)
6)))

$E_1 \rightarrow$ product: 24
counter: 5
max-count: 6

(fact-iter ($\times 5$ 24)
($+ 5$ 1)
6)))

$E_2 \rightarrow$ product: 120
counter: 6
max-count: 6

(fact-iter ($\times 6$ 120)
($+ 6$ 1)
6)))

$E_3 \rightarrow$ product: 720
counter: 7
max-count: 6

720