```
as the record - smallest non-trivial inject possible.
         Let's simulate for
                              n=3
                                            1 Fib-simulation
                                             1 C+ Fib-done
  acterial simulation
                                             2 n < 3
  n €3
                                              hobranch (3<23)
                                               rave c
10 4 afterfib-n-1
   Save c
   Save n
                                               Save n
                 E STOCK:
                                               n + n-dec (2)
   n < n - dec (2)
   C & 'after-fact'.
                                               geto Fib-loop
   save c
                                               hobranch (2 < 2?)
   save n
                                               Save c
                       Stack!
                                            11 C+ 'after f: 6-n-1
   h < h-dec (1)
                       Fact -done
   c+ 'after-fact
                                                Saven
                                            12
                                                h < n - de c
   branch base-case
                                            13
                                                goto 16:6-100p
   Val + 1
                                            14
   goto ( (after-fact)
                                                branch immediate - answer (162?)
                                            15
   restore ~ (ne2)
                                                Val + (reg h) (1)
                                            16
                 (ce after-fact)
                                                goto c
   restore c
   val & val * h (1.2=2)
                                                 restore n (h+2)
                                            18
   goto c ('after-fact)
                                                 restore ( (ck ofter fib-n-1)
                                            19
                                                 n + n-2 (0)
                                             20
    restoren (n 63)
                                                 Save C
    restore c (c+ Fact done)
                                            21
                                                  (C + afterfib-n-2
                                            22
    Val E Val * n (2.3=6)
                                                  Save val
                                             23
                                                   90to Fib-100p
                                            24
    goto ( (Fact-danc)
                                                   branch immediate- answer (0 < 2?)
                                            25
     done.
                                                  Val \in (reg n) (0)
                                            26
                           n + (reg val) (1)
                                                  goto ( 'afterfib-n-2)
                                            27
                      43
           Fib-done
                           restore val (1)
                                                  ne (reg val) (0)
                                            28
                      44
                           restore c (Fib-Join)
                                                  restore val (1)
                                            29
                       45
                           Valt val +n (1+1)
                       46
                                                  ristore ( (after-n-7)
           Fil-done
                                            30
                           gote ( (6.6-done)
                       47
                                                  Val + val + n (1+0)
            after-n-1
                                            31
                       48
                           donc.
                                                  goto c ('after-n-1)
                                            32
                                                  restore n (3)
                                            33
(a) 24:
                                                  restore C
                                            34
            after-n-1
                                                  h \leftarrow n-2 (1)
                                            35
                                                   Save c
                                            36
                                                   (+ infferfib-n-2
                                            37
                                                   Save val
                                            38
                                                   goto (Fib-100p
                                            39
                                                   branch immediate-answer (122?)
                                            10
                                                   Val + (reg n) (1)
                                            41
                                                    goto c (afterfib-n-2)
                                            42
```