| 1/3 Sun Ary 26 2007 |
|---|
| Technically, any non-confusing |
| But for recursion my non capturing |
| Any non-captions clause can be rewritten as a captures clause + &-conversion |
| [Sp -> v]] = let t,= self, t,= super in [p -> [v] on; super] |
| cove calculous. Also ignore tuples + other complexes |
| core λ : $M,N = \lambda x.M \mid MN \mid x$ |
| core TNG: Caron XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |
| $M, N = [P \rightarrow M] / M N M \oplus N V x$ $P = V x$ $V = atom$ |
| Exactation conserts |
| CONCREDE LAND |
| $\varepsilon_{\sigma}: \mathcal{M} \to V$. Ahe. |
| exps M, N = [P->M] (MN MON L x patt P = L x lifs L = atom |
| |

values V. W. / * RANGE VALUE V

YV. V = V @ Ø EF: M→V. eval. Er [P-M] = [rhp-M] ET MN = ETM & EPN (ETM, ETN) Er x of IxmVI in T ollimise $\Gamma = \emptyset \mid x \mapsto V, \Gamma$ SEA DOC send (L & V, W) = L Send (torgot self & super! M,N = [P>M] | MN | MDN | L | x | self | seper P=L|x L=.atom. V,W = [[MM - P - M] / L & V & W Γ = Ø | × → V, Γ YV:V, VOØ = V Ers,s, [P-M] ix[r, mm - P-M] MN = send (eM, eN) MON = eMOeN = Tx ovelse 1 X. self

SILDEN

Send:
$$(V, V) \rightarrow V$$

Send $(D \oplus V, -) \rightarrow X$
Send $(L \oplus V, -) \rightarrow X$
Send $([\Gamma, M] + L \rightarrow M] \oplus V \not\equiv L) \stackrel{\mathcal{E}}{\sim} \Gamma_{S_1 S_2} M$
Send $([\Gamma, s_1, s_2] + L) \stackrel{\mathcal{E}}{\sim} \Gamma_{S_1 S_2} M$

Send (VR, Vm) = search VR VR Vm

Search V_R $\emptyset \oplus \emptyset$ $V_m = \bot$ Search V_R V_S $V_m = \bigoplus$ Search V_R V_S V_m * Search V_R $[\Gamma \vdash L \rightarrow M]$ $E_{MF} \oplus V_S$ $L = E \Gamma V_R V_S M$ * Search V_R $[\Gamma \vdash x - M] \oplus V_S$ $V_m = E(x \vdash V_m, \Gamma)$ V_R V_S M* Search V_R $- \oplus V_S$ $V_m = Search$ V_R V_S V_m

Now, tuples.

Search V_R [$\Gamma \vdash P \rightarrow M$] $V_M = \mathcal{E}_{\Sigma} V_R V_S M$ where $\Gamma_z = \Gamma_1 \leftrightarrow \Gamma$ if match $(P, V_M) = \Gamma_1$ Match $(L, L) = \emptyset$ Match $(X, V) = X \mapsto V, \emptyset$ Match $(P_1, P_2), (V_1, V_2) = \Gamma_1 \leftrightarrow \Gamma_2$ and match $(P_1, V_2) = \Gamma_2$

Indust tuples, not powerful enough to make rumillenesse husings, a capturing self & super simultaneously not possible - WRONG. Currying + renaming north, ok:
[meg: [xself = [xsuper = ...]] self super mag]

```
exp := [p - exp; ...]
                                                         q_X
                            CLOSE
                            SEND
                                                                ange?
                            EXTEND
         ·atom
                            LIT
                            KEF
         Vou
                                                        di
  (a b) c
a (b c)
.... | saved | vet | args... | scratch
                              ø: [a] - result in ear
                              100: STORE SP+4 (or +0, ang is dead here
                              101: [[5]]
                              200: STORE SP+12
```

300: STORE SP+0 (tail call)

301: LOAD SP+4

Χ

302: JUMP

ERROR code, action, ang,

DESTROY of

CLONE of, acks, targeto, timeout

PUT of, id, ctype, blb.

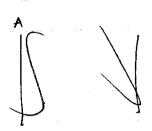
MISSING of, acks

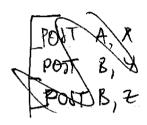
INDEX of, acks

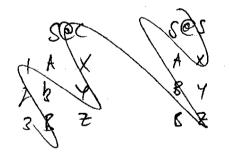
LIST of

DELETE of, acks, reason

PETET of, acks, reason







A@r 13 S@S/1 — X

Sec 5es

10 org Tet Body

1 - Aes X | Sec/1 Aes X

2 - Bes Y 2 sec/2 Bes Y

3 - Bes 4 3 sec/3 Bes 2

Sec ses Aes Treste
1 - Aes x 1 sec/1 Aes x 13 ses/1 ** x

PUT SOCI - SOS / MOS X

mexts lot (A@S) = 13. PUT $S@S/1 \rightarrow A@S/13 - X$

PUT Tec/1 → Tes/1 Aces GET(1, ~, TRes/15/2, -)
PUT A@8/13 → TR@8/15 - X

SEEN NEWS



Reviewed reserved

Min Max

Max

Meleted ready univered parter

input put output output of deleted

trueout hours

trueout

trueout

Eect.

unused reserved put ready retrieved deleted