(8MP 0020	2
Impro	inve Style. Us. functional style
D cdo	alecart.
Mire	nda Trele. ("Ted", 23, Felse). ;; ([Cher] ( Mm, bool)
	("increment", inc): (Echard, num > num).
	lazy evduator. > g(x y)=a.
	3(1, 40)
	vous engreted.
	portid functions.  T(x y= x/y, y=0.
	polynorphic froms don't evolucie some
	of the Enpit.
	three: * > nun.  three x + 3
	for different eggls, use +, **, **
	Non-exhausting actions
	f True = Palse.
	x = fralse X False not defined.
	Dattons doston daznos. notlazy. f. (x, o)=x.
	not lazy. f. (x, 0)=x.

```
notlary of (x,y)= x.
       noclezy (5, 1/0)
                evolvated to emp to a
Duplicate peran = equality lest.
       botheand (*, *) > Bock
                 &1x) = 7
               (x,yz)
 Recurse fination creates loops.
          fi um > [cha]
             fn="X" ++ (f(n-1)), if ~>0
                = "(X"++ (f (v+1)) , other wise.
Type Syrams
       str == (cha).
       Coord = = (nun, num, num)
   Lises
         x1 5: [nw].
         n[= ] [lst] (lst,x]
          or x1= [lst, x].
```

```
Itame list.
                    C1. - J. = C1. 2.3 - _ ].
      list > [n* 11 n = [1, 2, 3]]
    (orphersion. III, 4, 9)
> calculus
    d. reduction. Dx. E > Dy. E [y |x]
                          all free occurences
                             x 3 y.
     Breducin (Dx. E/M= E[m/x]
     1 reduction. Xx. (Ex) > E.
      Soules + x (3+4) = 7.
Exaples.
        λx. (x+3) 5. >> β reductor
(5+3) -> δ rubs
         7. (( )x. (x+y)) 5)) 3 -
          dy. (5+y))3.->
```

Mork Scan G.C.

Trigger d at malloc (). When free is low

Program pause at G.C.

Mrk Gargabage. Trace all live pointers

Scan. Granbage made available for re-use

We can compact to reduce fragment setters
every block has a "mak" bit