19-11 Actomati	e Sound	Memory	Management	
_	far bage	Collection	<i>)</i>	
	, ,			
What can	be freed	į		
V" when -arisk	les leur	score,	Hey may de	
"when and fre	ed. 1			
Reachability	reach (io) iff	var(o)	
<u>X</u>	f(2)	V	ptr (p,0)	n reach(b)
20			field (0', 0)	
x 7 (P) -> 0		V	reg (o)	
unrealtable objs	may	V	stack (0)	
be freed!	,			

```
19-2/ CEK = Cexpr, env: var=rual, kontr
       CESK = Cloc, encroard loc, sho = loc = val, loc)
  < V, enu, kapp (clo(lx.e, env'), env", k)>
     Hy < e, env'[x+>v], K7
  < σι, env, sto, σε > +> < σ6, env'[x+>σ=], α>
   where Sto(\sigma_1) = V Sto(\sigma_2) = Sto[\sigma_3 + v]

Sto(\sigma_2) = Kapp(\sigma_3, env'', \sigma_4)
        slo (03) = clo (05, enu')
        5/0 (05) = lam (x, 06)
```

reachable (coe, enu, sto, Ox>) slack/ program/ local warmke/ Mark + Sweep (globals, locals, stack) - first trace all objects from the rootset, nuntringali - wilk all memory, delete things who a mak, on unmak

19-4) given a position what is it possibly to?
Lis GC needs to throw the solutions of mem
how do you inspect the stack?
New do you marke?
Bi Bo P
·
mark & sucep malloc - O(lg n)
NOT operation free free - OffgnT
optimil for mark - O (live)
optimi for Sweep - O (live + dead = mem)
latence
paises/latency - real-time strategy + tags exists
exists