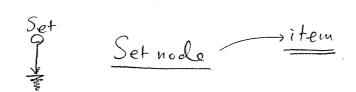




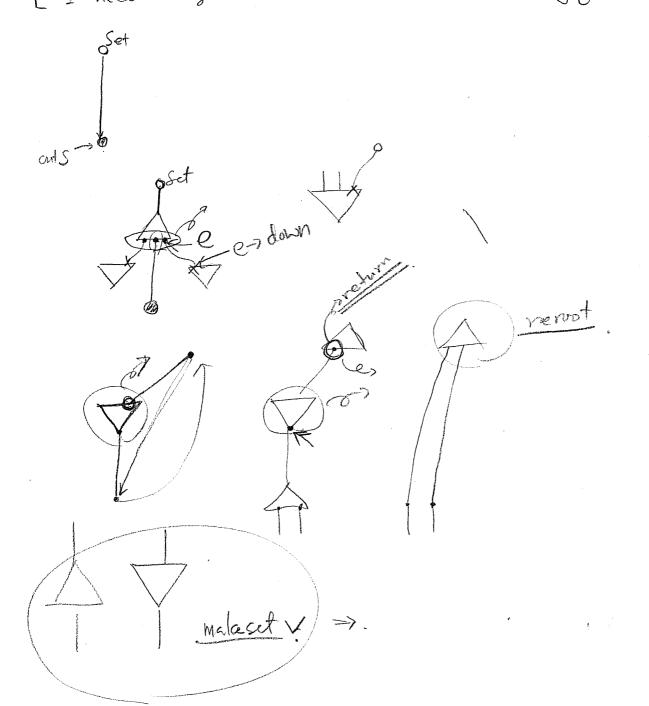
uc-> list-> list i an element



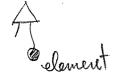
I tagged a set when creeting it.

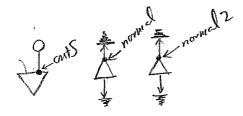
This tag is a variable inside the set.

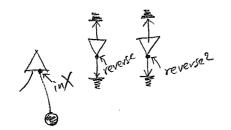
I need to get the variable back when destroying that set.

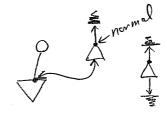


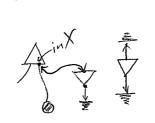


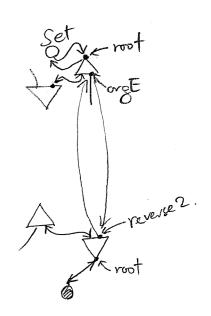




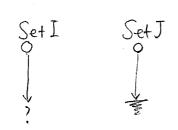








1-



setJ I must be Set) > ready gont of set of reverse of reverse of reverse of root down root down uninon changes the root.

set J set J preverse J

Buildy a segment free
[a,bi] [an,bn] = I 2. da, ..., an, br, ..., bn = X 3. Sort elements in X., say sorted X is {p, ..., pm }=} 4. Create elementary intervals using Y: $(-\infty, P,)$ $[P_1, P_1]$ (P_1, P_2) \cdots $[p_m, p_m]$ $(p_m, +\infty)$ S count: 1+2m=1+2x(2n) = 4n+1. 5. Build a tree [balanced], and call it T.
tho ways (1. ene-by-one
of full of 2. all at once.
6. Assign intervals in I to nodes in T. and TI. Add a new point to T. $(P_k, P_{k+1}) \rightarrow (P_k, x)[x, x](x, P_{k+1})$ 1. Replace (Pk. Pkn) with 2. Insert (PK,X). 3. Insert (x, pk+1). $(p_{k})x_{k} \rightarrow (p_{k}, p_{k+1})$ 1. Remove (Pkx) 2. Remove (X, Pk+1) 3. Replace [x,x] with (PKPK+1)