Node \* root = NOLL Ankitha - global 1 BM18CSO16 int val, drygee; Node \* parent, \* child, \* sibling; void bisomialhapin set (int x) noot = uni on/real (noot, cuate Nocle(x));

" ruating nuo node and instituting do union
of this node with noot. chereaethy Brup (Node XH, int old-val, int new val) Node + node = find Nonde (H, old-val); if (node = = NULL.) Melenut is not present reture Il Reduce the value to minimum node > val = new-val; Node \*pount = node -> parent : Il update the heap according to oreduced value while (parent!=NVLL && nocle -> Val <parent > val swap (node-s val, parent, s val); -node = pount; parent = parent; "If ihre is single Norte

Node & binomial Heap Delete (Node &h, ent val) if (L = = NULL) // of heap is empty decreere Key B Heap (h, val, INT\_MIN); Il Reduce the value of element to minimum Il Delete the nis element from heap; return extract MinBlowaf (h); \* entract nin BHeap (Node \*h) outroin NOIL Node \* min \_node-prec" = NULL; Node \*min node = k; Pinding min value Node \* cuer = h; while (wax -> silding! = NULL) H ((cour -) sebling) - val - men) min = (curr-> silding) -> val, min-node-prev= wor min-node= wor -> silling cur - cor - setting. If I there is single Node

if (d min-node-pres == NULL 58 min-nde)

righting == NULL) h= NOLL;

else if (mis-node preu = = NULL)

h = min-node -> sulling; min - node-preu -> rebling = min - nodi-subling Mut noot an childrend

y (mis-rode -> child! = NULC)

d our ext Lut (min - node - shild); (misnode-schild) - silding = NULL; union of groot hand hildrent guturn union BHeaps(b, nost);