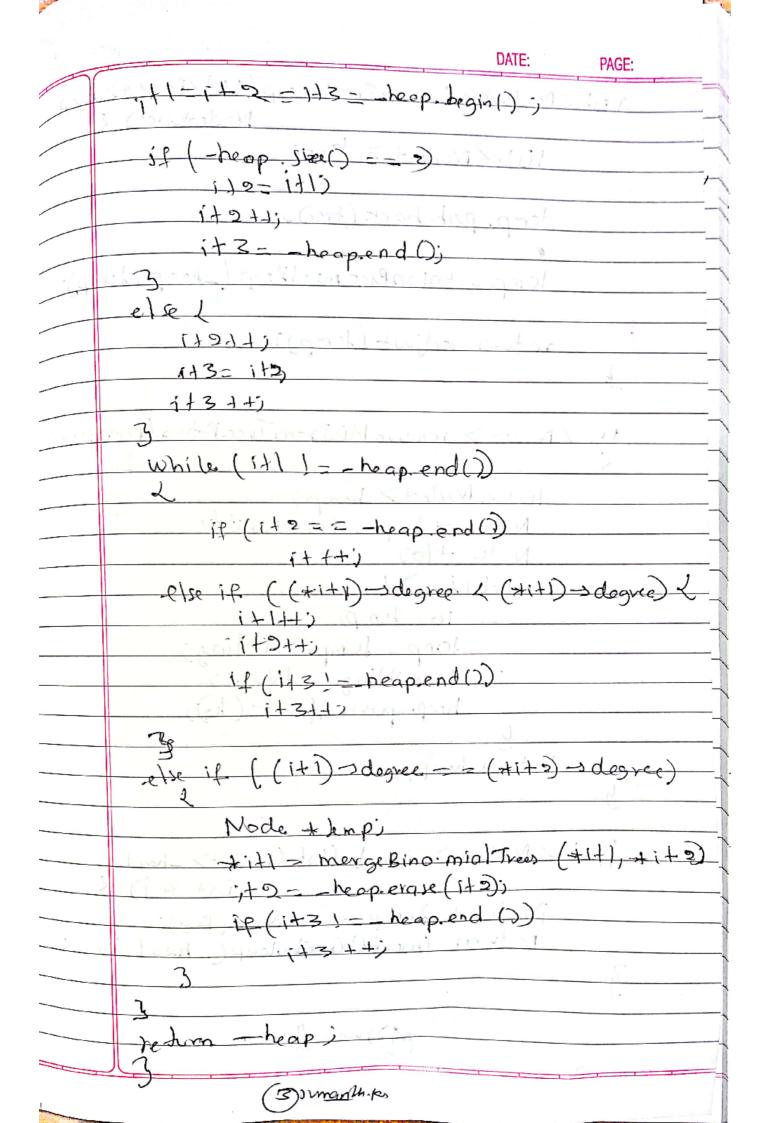
Sumanth. K.V. 1BM18(5112) 09/2020 Struct Mode & March int data, degree, No de *child, * sibling, * parent) Abde * new Mode (int key) } Node + Jemp- new Nodes temp->data= Key; temp-degree = 1 temp > child= temp > parent = temp> Sibling - NULL yetron tempi Node * merge Binomial Trees (Mode +6), Node +6) if (bl-sdorta > bo-sdorta) swap (b1, 62); ba-parent = bl; bo-sibling=bl-schildi b -> child = b> bl- degree ++; return bly (1) sumanthice

- 1:15+ < Mod +> Union Binom ia | Heap (list < Node +> 1 while (it != ll.end() for ot = lo begin (); (+ it) > dodegree 2 = (+ot) -day ree) new. push-back (+i+); w. push-back (xod); 1 na. puh back (*if) while (ot) = la end() new push back (tot) List (Nodest) st Node +> == iderator it 1+ 9,7+3, B) Joman M.K.



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agriculty (12)

Made * get Min (list & Node * > heap) L list & Node +> = iterator it = - heap begin(); Mode * semp = + iti while (It! = heapend()) < if ((*it) ->data / temp->data) temp = +iti itti retirn tempi 150+ LNode *> extractmin (150+ LNode +> -hosp) INTEMODERS now heap, los Node + Jemp: temp = getMin (-heap); : + = heap begin(); while (i+ 2=-heap.end()) 2 if (*1+ 1= temp) new heap push back (+1) · i+++; 10 = 1emore Min Frem Free Return (Jamp) new Leap = unibn Binomia) Heap (new heap, lo) new heap = adjust (now heap); return new heap; 5) sumanth.m