Lab-09 Rudomuni 6 m 18m18cso85 Bafna Gold_ Date: Page: Binomial Heap Node *newNode (int key) [Node *temp = new node c). temp->date = Key temp -> degree =0 temp -> child = temp > papent = temp -> sibling = NULL retion temp; } I Node* meoge Binomial Toees (Node * 61, Node * 62) 9 i+ (b1 >date > 62 =>date) Swap(b1, b2) b2 -> Ravent = b1; b2 > sibling = b1 > child; bl > child = b2; gray mount return bi; tost own & to show at list < Node * > Union Birromial Heap (list < Node * > 1) list < Node + >12) List < Node+ > - new ; list < node +>:: iteration Pt = libegin(). list anode * > : i i roalos ot = 12. begin () while (it!= ll.end() &1 ot!= lzend() 9 if (i +pt) > degoee <= (+ot) > degoee) -new, Push-back (+it) 7 1++) 9 -new. Push-back (+ ot) >) Ot ++' re rocken new; Peda (0)

water and and the

list < note +> insert A tree Interest list < note +> ¿ list (NOGO + > temp.

temp. bush back (tree)

temb = union Bio + and teab (teab kmb)

return adjust (temp);

node + getmin(ist < node +> - heab)

9 jist < node + > : iterator it = head-segin();

Note + temp = + it

public (it! = head end())

it ((+ it > data < kmp > data)

temp = +it;

& 1++; blis

y oction kmb;

r list < node +> extracting (list < node +>-hoat)

list a node +> New-teat, 10:

Node + tmb:

km/= = selmin (-heat);

list chode + > ! iterator it

it = heap. begin().

while (it! = -heap.end()

i+ (+ i+1 = +mb)

new-heat bush-back (+ it);

7 1+++;

Lo = removemin FoomTree Ropum Bheap (temp)

New-heat = Union Binomialteat Crew-heat, 10).

new heap = adjust (new heat):

02

real heat;

Redon