ADS LAB		
Khaithik. S. Amand	papergri	d
1BM18 CS04 6	Date: /	1
Binomial Heap		
Provinces reap		
Threat Function: Circle Land Keyl		
Insert Function: Cinput: head, keyl		
Nada + to an All (1/2)		
 Node * temp = newNode (Key); list <node +=""> t;</node>		
t. 000 back (1-11)		
t - pwh_back (temp); t = union BH (head H)		
Sotume of t(+)		
return adjust (t);		
- 1. I (I I / No I se > I) C		
adjust (lut < Node + > heap) {		
if (heap & ze <=1) notwon heap;		
 list Node* > new leap.		
auto 1-11, 1-12, 1-3;		
i+1=i+2=i+3=lear begin()-		
if (heup - 3/2c ()==2)		
 , , , , , , , , , , , , , , , , , , ,		
i+2 = i+1,	, 	
i +2 + +;		
+3-heap.end();	3	
Selse		
 i+L++;		
$i + j = i + L_i$	* * * * * * * * * * * * * * * * * * *	
3 while (itl= hean-end ())		
3 while Citll- hear-end (y)		
il (it == heap.end()) IT	114	
elsp il (it) degree & it)	- Teger)?	,
(+ L = heap.end()) T else (+ -) + + + + + + + + + +	+1.	
1 (1+31 = heap.	ond () J.j+	3+7;
3		/

Klandhih . S. Amand papergrid 1BM18csonb Date: der if (*i + | + degsee == *i+2 + degser) Node + temp; * it = merge (*iTligit) 1+2 = heap : ease (1+2) if (i+3!= heap.end()); +) ++; else if (it 31 = heap. end 1) & ti+1 = degicy = = +i+2 -) degree ld * i → degree == + + i + 3 → degree K #j+++, +j+2++, j+3++; setusn heap; Function Getmini- (list Node *> heap) « while (it = heap end ()) { if (+it >data < temp > data I temp = + rt; & eluntup Eunction extent mind list Node + hear) ? list < Node +> new-heap, to, Node *temp; temp= getmin (heap), auto it = heap.legin(); while (it! = heopend()){ if (*; t! = temp) new heappash bash (*it) lo = seun (temp); new_heap = wen union BH (men-heap, da) new heap = adjust (new-heap); schon new heap;