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ADS Lab
four insert ( Node head, hey):
      if head size <= 1 return heap
      Node new- heap
      iti- itz : itz = heap. sigin()
     if heap size = = 2:
          itz = it1; it 2++;
          its = heap end()
    else:
        itz ++; it3 : itz; it3++
  while it! = hear end():
        if it = = heap. end : it 1++;
       doc if ( its. degree « itz. degree):
            (1++, it2++, if its 1 = head end: it3++;
       else if (its ! = head end () Ex ("iti) - degree
                = = (it2) - dgus & (1it3 -djenu)!
           it++; it2++; it3++;
      else if (it 1 - degue == it, - degree):
          Node temp;
          iti = megeBinomial Tue (iti, its)
          itz = heap clase (itz);
         if (its 1= hear end()) it = ++;
 return hear;
```

fune getmin (Node & heap): Node riterator it - hear. begin () Node temp: it while (it != heap. end ()) } if (it data c toup data): temp = it; return tony June contract Min (Node heap): Node new-heap, do: Node temp: temp - getMin (heap) Node itembor it; it - heap. bein begin () while (it != heap end()): if (it! = temp) new-hear. push-back (it); lo = Jemone Min (tump); new-heap : union (new-heap. 10): new- heap. adjust (new-heap) neturn new-heap,