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ADS Lab
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forme insert (Node head, hey):
   if head size <=1 return heap
   Node new-heap
    iti- itz = itz = heap. Segin()
   if heap. size == 2:
         itz = it1; it2++;
        it3 = heap. end()
  else:
      itz ++; it3 = itz; it3++
while it! = heap end():
      if it = = heap. end: it 1++;
     doc :/ ( its. degree « itz degree):
          it1++, it2++, if it3 1 = head.end: it3++;
     else if (its != head.end() && ('iti) -degree
              == (itz) - degre Ex (*its -djeun)!
        it1++; it2++; it3++;
    else if (it 1 - degue == it, - deguee):
        Node temp;
        iti = megeBinomial Tue (iti, iti)
        itz = heap clase (itz);
       if (its 1= hear end()) it =++;
   3
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return hear;

fune getmin (Node & heap): Node riteration it = heap. begin () Node temp: it while (it != heap.end()) } if ( it. data c tourp. data): temp = it; return terrip func entract Min (Node heap): Node new-heap, do: Node temp: temp - get Min (heap) Node itembor it; it - heap. beija begin () while (it != heap. end()): if (it!= temp) new-hear. push-back (it); it++ lo = Jemone Min (tump); new-heap = union (new-heap 10). new- heap. adjust (new-heap) return new-heap,