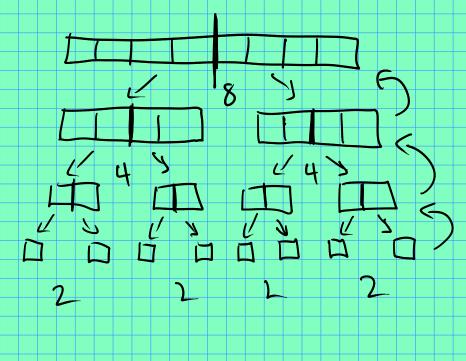


(1-h)(1+1+1+1++++) = (-p) + (r-r) + (r-r) - 1 - v - v - 1 Can't we have it all? Nice costhetic + not super slow? Kind of. One technique : menoization. your banction not so brightel. int fibM (int n, map cint, int) A) if (n < 2) retarn 1; Before making recursive calls, I check the map! if (A.find(n)! = A. end()) { / Soul ; +! } return ACn3; 1 didn't Rind it, so compute to save for later. int f = f:b(n-1) + f:b(n-2); A[n] = f;return t; Lots revisit sorting.

New idea: broak array in halves, sort each half, then merge the sorted halves tagether.



Total cost: $\approx n \cdot \log_2 n$ $\approx 2 \times n^2$