merge Sart (int & A, int n, int & Anx) if (n<2) retorn. int mid = 11/2; merge Sort (A, mid, Aux); // Sort ACo,...mid-13 morge Sort (A+mil, n-mid, Aux); //sort Knid,...n-13 merge (A, mid, Afmid, N-mid, Aux); // now copy Aux -> A for (i=0; i < n', i++) ACID = Aux CID; LID los₂n Extended GCD also Hhm. Fact: if d = scd(a,b), then 3 x, y \ Z s.t. d= ax + by. How to Ind x & y? scd(12,18)=6=12-(-1)+18-1 $\times = -1$, $\gamma = 1$.

int
$$\times$$
gcd (int α , int b , int a x , int a y) {

 $x = 1$;
 $y = 0$;
 ;
 $y = 0$