Mure Recursion!!
Merge Soct.
I dea: using the masic of recursion, sort
left and right sub arrays. Then combine then, which hapefally is not much work.
[17] 3 9 4 21 2 1 13
T3 14 19 17 L 1 2 1 3 21
1123[4]9[13]17 21
Back & F. la vacci. Can use make the
re cursi ve version per born bet ter?
what was the nistake issue with the original recursive version? It duplicated a lot of work
Cit for set about computing f(n-1), and had to do it again from scrattch.)
Maybe solution: give the function memory.

int fib (int n, Answers A)

table of input/output values.

if (n < 2) return 1;

// check table for answer before making note calls!

if (A has an answer for n)

return A [n];

a = fib (n-1, A) + fib(n-2, A);

A[n] = a;

return a;