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- C

15 K

11140

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TS*

Focs Day 19

3. a) . max_ subarrad(-2,1,-3,4,-1,2,1,-5,4)

And then it doesn't really do anything else. It's an iterative solution, not a recursive one

- b) No. There is no multi-branch recursion, because recursion isn't involved
- c) \$ Yes- the iteration solves a smaller problem the 1st time, then adds a number, and checks whether the solution has changed. It could just compute the sum of every subarray
 - a loop. I am confused.
- 4. a)

· 656, [1,3,4,6,7,8,19,13,14])

· 65 (1, [1, 3, 4, 6,7])

· 65 (37 [173])

· 65 (3, [3]) @

- 6) It is not it doesn't branchioust cleverly (uts down on possibilities (the possibility space of runs it could do branches, but the program itself does not)
- C) No- it doesn't employ memorization, because each sateto sub-problem only needs to be solved once

d. Time not entirely sure what tememores Thereare
No Coepeated Exist problems It's a straight line again, the memoization useful on later runs

C. It just recurses in a straight line. Idon't know how to improve on that

1. a) 1. The No: there is no letter that loves all other letters

2. Yes: (is loved by every letter

3. Yes: all letters love at least one letter

4. Yes: every letter is loved by at least one letter

5. Yes: the table has hot at least lentry

6. No: Inverse of 5, really. All letters love sum othing.

7. Yes: there is an x that doesn't love every y

b)	也。	Table	X=y	1 X = W
	7, 1.	Falsp	True	True
	- 2.	False	False	Trup
	3,	False	True	True
				5/-0