## This is CS50


http://accidentalafterthought.wordpress.com/20 I I/02/03/the-phonebook-other-life-lessons/phonebook/

## an algorithm

I. stand up and think of the number I
2. pair off with someone standing, add your numbers together, and adopt the sum as your new number
3. one of you should sit down; the other should go back to step 2

## another algorithm

I. stand up if in orchestra section
2. pair off with someone standing; stay standing if you're taller, sit down if you're shorter; break tie randomly
3. if still standing, go to step 2






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0
$$



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\Theta
$$



## 4 <br> 2 <br> 6 <br> 8 <br> 1 <br> 3 <br>  <br> 5

## bubble sort

## selection sort

to be continued...

