

WOP3503 1/30/2024

Volunteer Opportunity - OMC 2/3/24

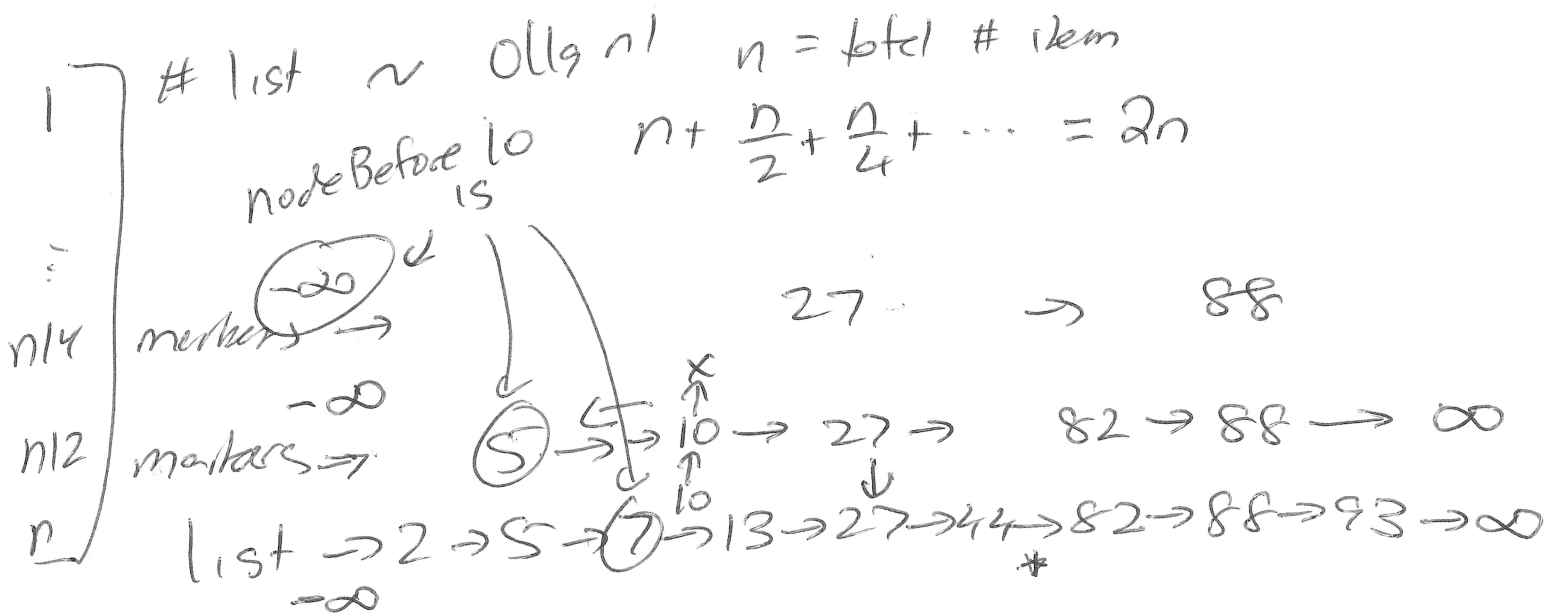
P2 solution, date posted

Office Hrs - will Δ (will post via WC)

Skip List

list $\rightarrow 2 \rightarrow 5 \rightarrow 7 \rightarrow 13 \rightarrow 27 \rightarrow 44 \rightarrow 82 \rightarrow 88 \rightarrow 93$
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$

Inserting SS \rightarrow linear walk $O(n)$ $n = \#$ item in list



multiple "levels" of lists each list above previous list will have about $1/2$ many items as the list below
probability + randomness

Rest of the class I explained the code + then modified it to do the following

(a) Print # items on each level

(b) Change the probability of moving an item up.

Tried $\frac{1}{4}$ and $\frac{4}{11}$...