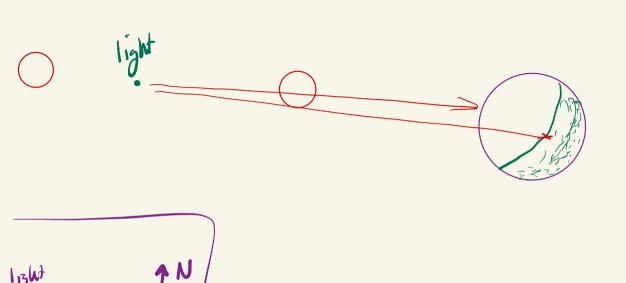
CPE/CSC 101

Today

· Selection Sort

· Files



·ey

Ambient

Write a function that takes three arguments: a list of int values, a "lower index" int value, and an "upper index" int value. This function must return the smallest value in the input list between the lower index and the upper index (both bounds are inclusive). If there is no such value, the function must return None. If the either the lower index or the upper index is out of bounds, the function should return None.

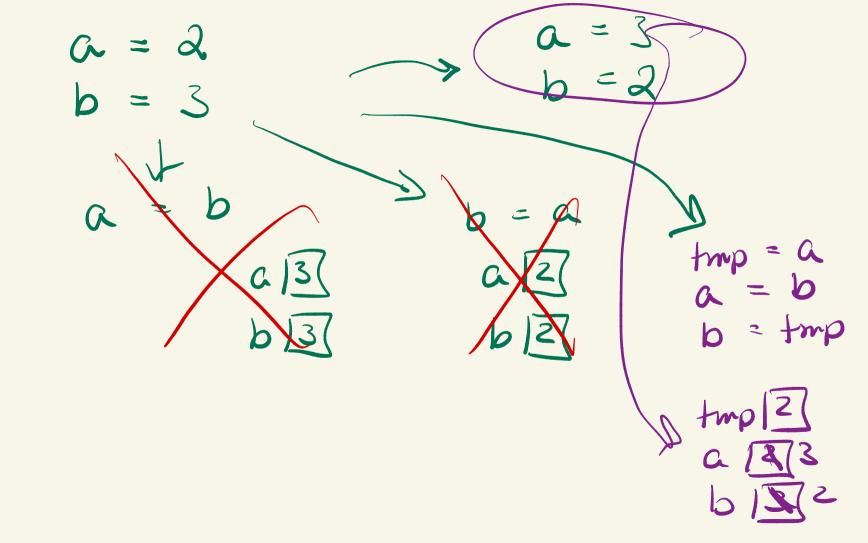
(You may not use the min library function; that's not the goal here.)

def small (L: List [int], lower: int, upper: int) > int: if L == []: return None if not (OK = lower and lower < len(L)): return None if not (OL= upper ( len(L)): return None if lower > upper: [ | ] veturn None smallest = L[lowu] for idx in range (lower, upper + 1) if L[idx] < smillest smallest = L[idk] turn smallest

Selection Sort 4 9 2 1 7] 1 2 9 4 3 7

selection - sort (L: List [int]) - None: for idx in range (len (L)): mindex = smallest - from \_ index (L, idx.) tmp = L[idx] tmp 3 L[idx] L[idx] = L[mindex] L[minder]= +mp [31;492 N37]

n = length of n² operations Selection - sort t surfed



File. hello Inhi m -.. hello new line (files) exceptions There can be errors -- it doesn't exist - no permissim