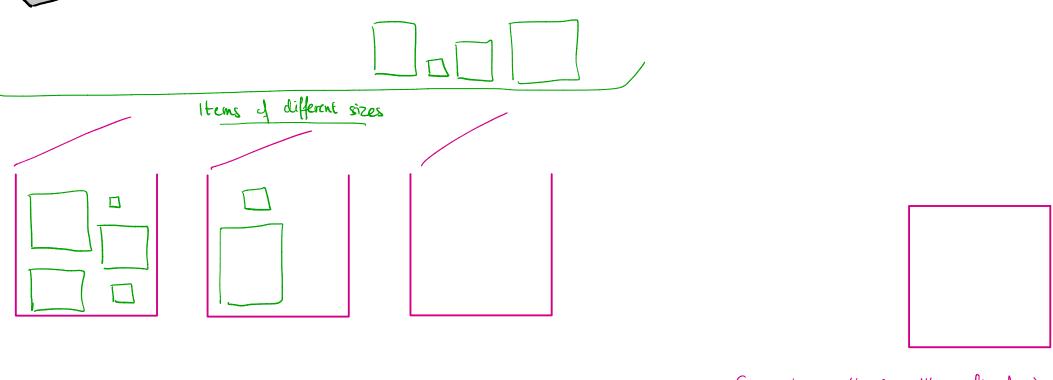


FIRST FIT HEURISTIC FOR THE BIN PACKING PROBLEM.



GOAL: fit all items into as few boxes as possible.

Input: [..., ..., ...] bins = [..., ..., ...]

bin capacity

- Open first bin.

Strategy: plor each item:

for each open bin: x

Some boxes (bins) with a fixed size. s = [..., ...]

find available space in bin = capacity

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in the bin.

beep frack!

check if item fits in bin. &

- True: place the item, more on to next item.

- False: move on to next bin.

open new bin, and place item in it. for i in range (len (bin List)) for bin in bin_list: _bin_list[i] = bin_list[i]+2 bin = bin + 2CoJ bin_list Lists are mutable. = changeable. bin

x if item is not placed: