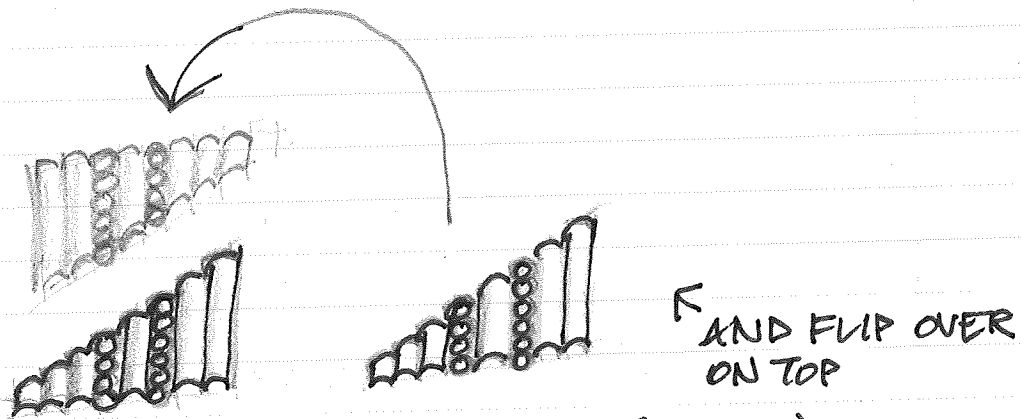
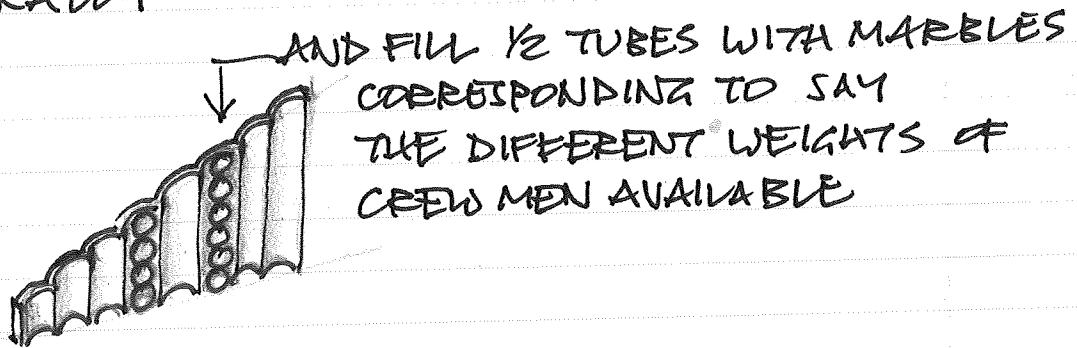


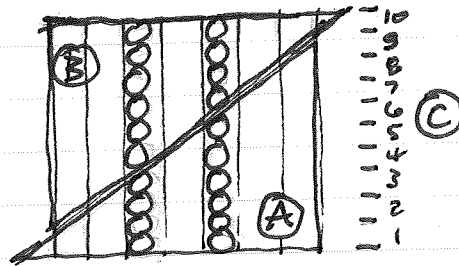
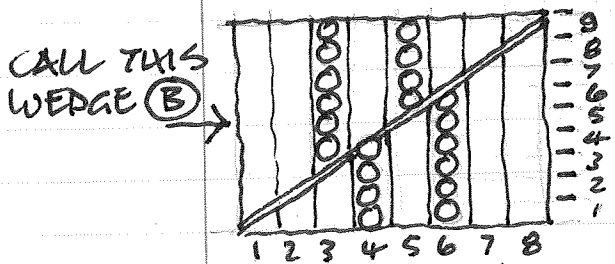
ARCHIMEDES' WEDGE

NOV/07 [initials]

FIRST IDEA WAS TO CUT A SET OF PAN PIPES
LATERALLY -



MAKE 2 IDENTICAL 1/2 PIPES (WEDGES)...



CALL THIS WEDGE (A)
 $A + B \neq 9$

... → SLIDE WEDGE (B) UNTIL
ONE OR MORE PAIRS ALIGN
IE $(4 + 6) = (6 + 4) = 10$

ARCHIE'S WEDGE (CONT)

2 OF 4

NOV/07 (M)

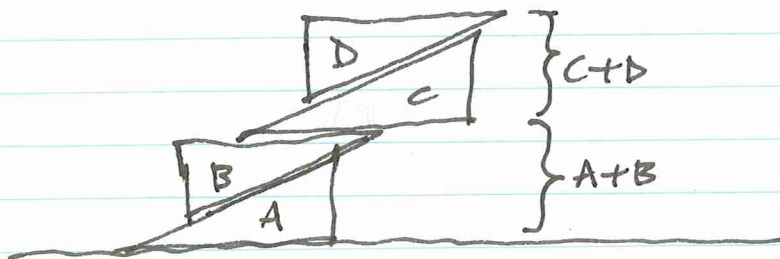
SO, WE CAN EASILY MANIPULATE THE SLIDING WEDGE TO READ OFF ALL PAIRS (OF CREWMEN) SUITED (BY WEIGHT) TO A PARTICULAR BOAT...

OR

DIFFERENT SIZES OF BOATS MATCHING DIFFERENT COMBINATIONS OF CREW.

IF WE APPLY SIMILAR WEDGES TO "AMPHORA AMEROSIA" (2 PER BOAT) WE CAN MATCH CREW PAIRS TO AMPHORA PAIRS ETC ETC.

BY COMBINING 2 SETS OF WEDGES TOGETHER WE CAN SYSTEMATICALLY RUN THROUGH ALL POSSIBLE COMBINATIONS

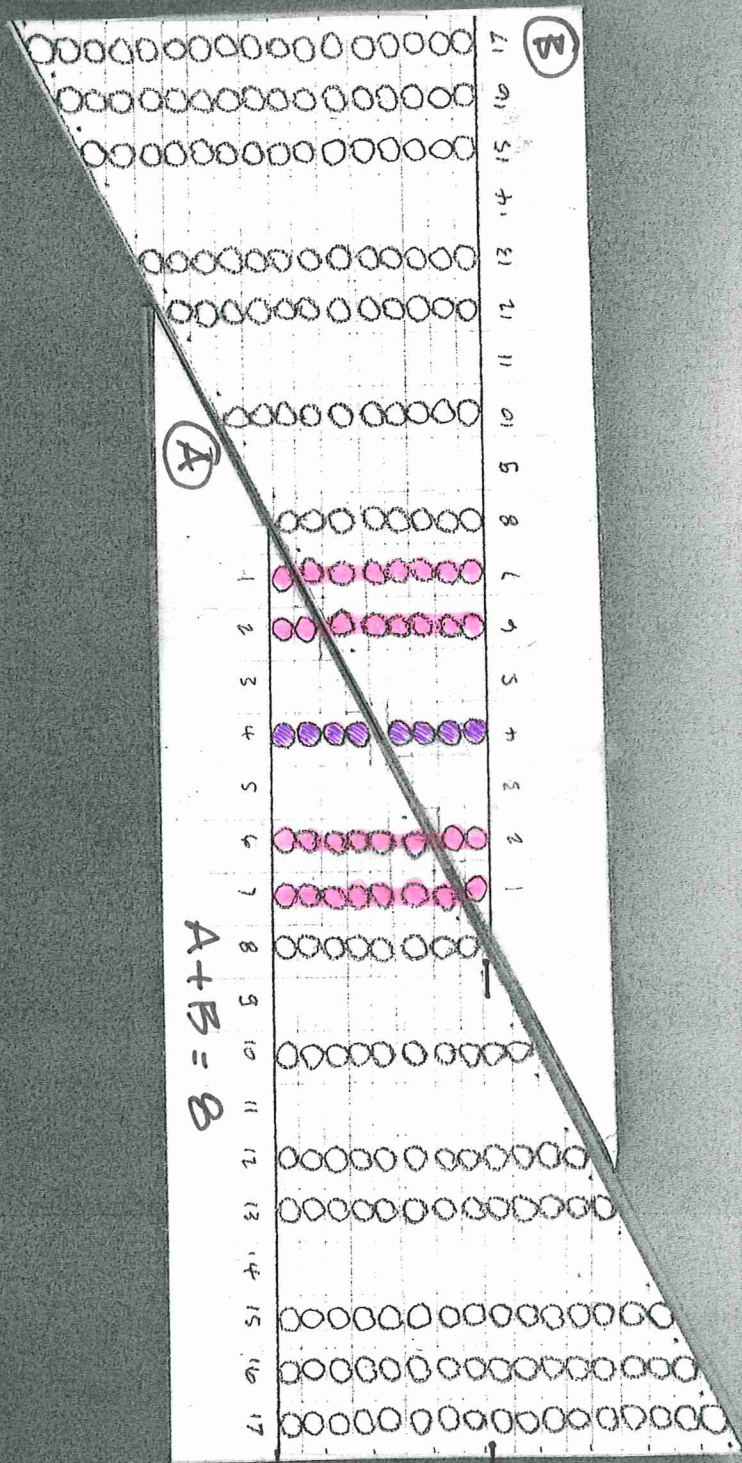


(EACH PAIR APPEARS TWICE AS AN ORDERED PAIR - BUT ALSO LIKE DOUBLE ENTRY BOOK KEEPING - REDUCES MISTAKES :))

Mike

INTERESTING - BUT NOT MUCH OF A PUZZLE :C

$$A + B = B$$

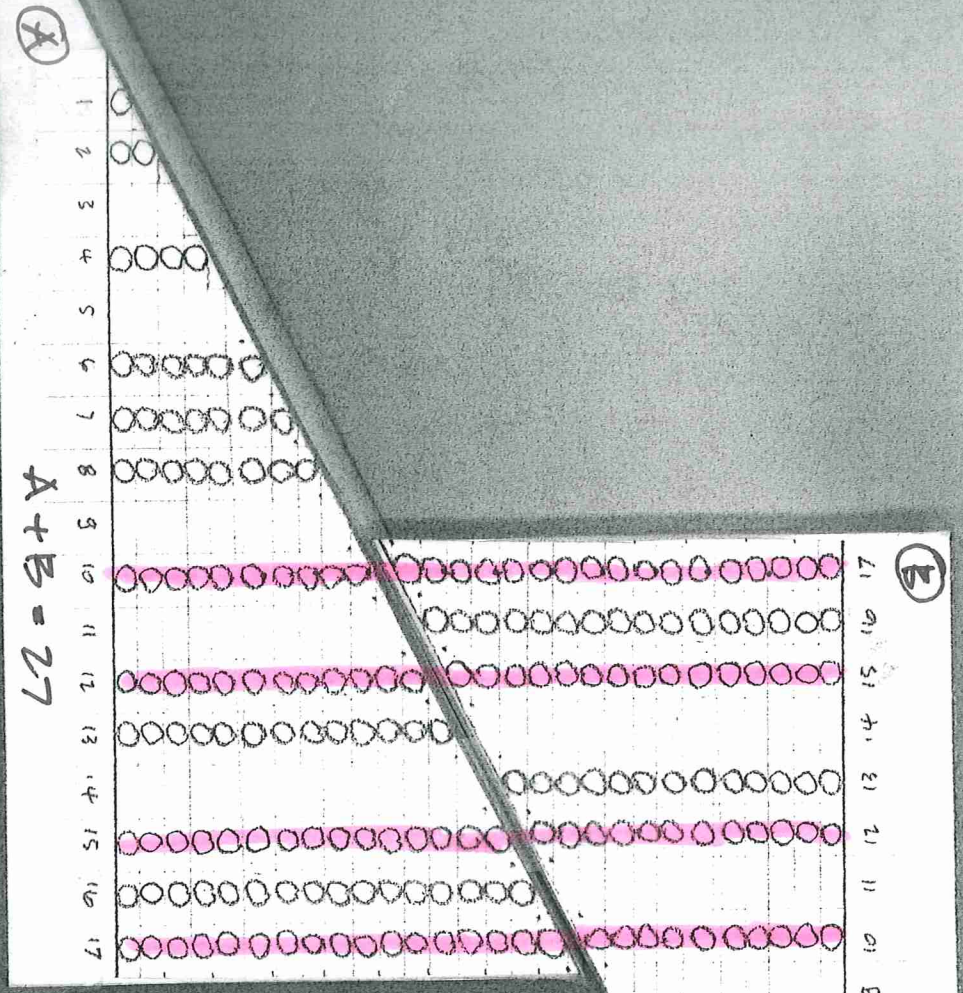


BASE

(B)

3 of 4

$$A + B = 27$$



BASE

0

(27)

4 of 4