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Question: Three tubs are brimful with ice-cold water. Each has an iceberg floating in it. In tub A, the berg has a large air bubble. In tub W, the berg has some unfrozen water inside it. In tub M, the berg has a heavy metal rod inside it. What happens to the water level in each of the three tubs when the icebergs melt?

A1: M probably gets lower, W probably stays the same, it's unclear what happens to A

A2: M gets lower, W and A stay the same to a good approximation

Arguments for A1

24

Question:

A1:

A2:

Arguments for A2

1

Question: What happens to W and M, respectively?

A1: W probably stays approximately the same, M probably gets lower

A2: W stays approximately the same, M gets lower

2

Question: What happens to A?

A1: It's unclear

A2: Stays approximately the same