

0 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: D: M gets lower, the water in A gets lower, and W spills over

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

Arguments for A1

1 Question: If there was an iceberg filled with oil, would the water level decrease when it melted?

A1: D: 90%

A2: H: 40%

2 Question: Conditioned on 1=Yes, does the water level in A decrease?

A1: D: 95%

A2: H: 50%

Arguments for A2

No arguments