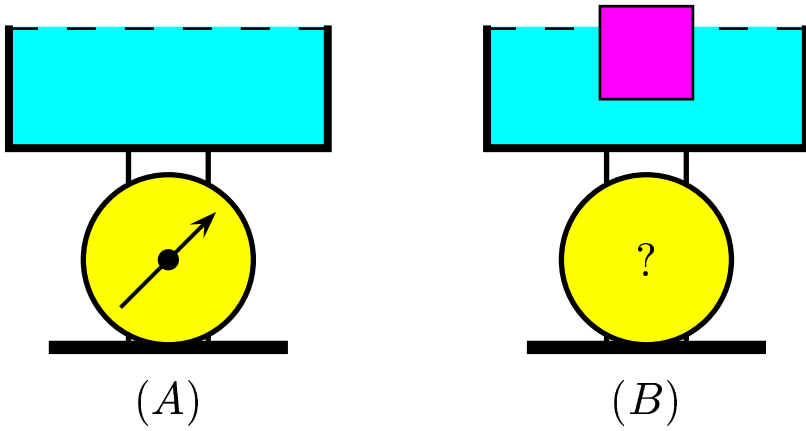


Given: Two identical containers are filled with water to the brim. One has a piece of wood floating in it(case B),



so its total weight is

- A) greater than that of case A.
- B) greater than that of case A.
- C) the same as that of case A.

The difference in the two cases is that case A includes the weight of the “displaced water” case B includes the weight of the block. But according to Archimedes’ principle, these two weights are the same. Answer **C**