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

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