

Imagine an ice cube with a stone frozen in it. Initially, this cube is placed in a vessel filled with water such that the ice cube floats with some part above the water surface. After some time the ice cube melts and the stone sinks to the bottom of the vessel. Note the initial and final level.

- (A) Initial level $>$ Final level
- (B) Final level $>$ Initial level
- (C) Initial level = Final level
- (D) Cannot be predicted

Select one option accompanied by a suitable explanation.

+2 for correct answer
+4 for proper explanation
+4 for an unprecedented solution