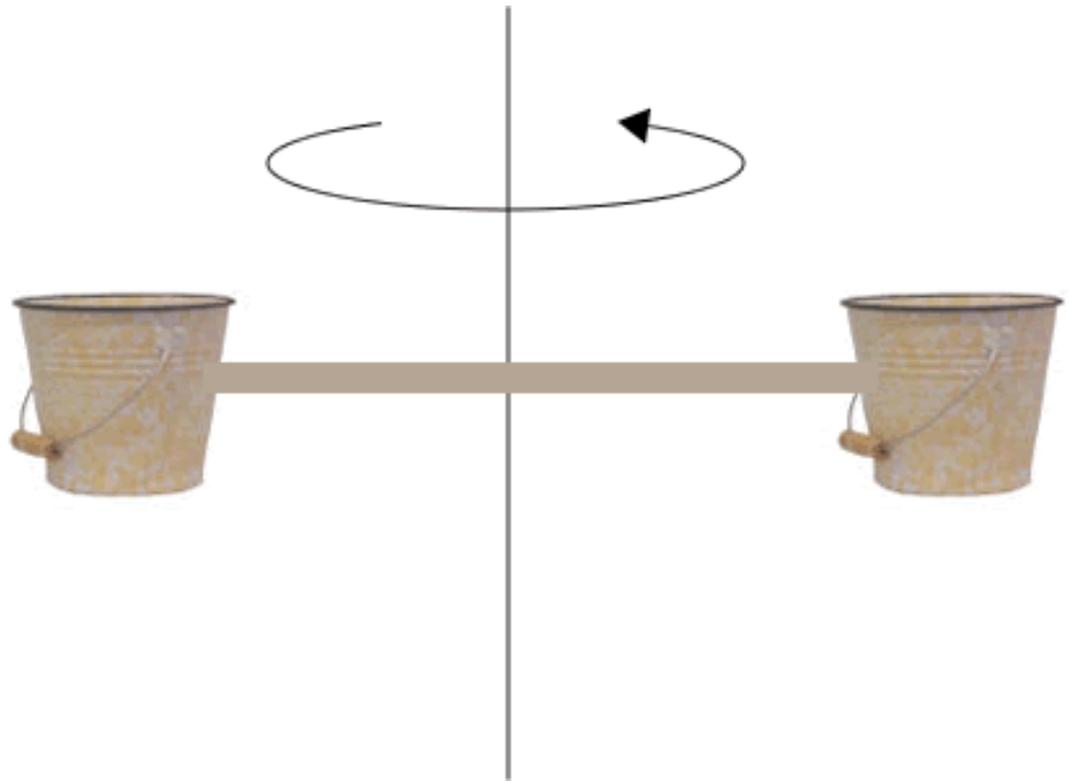


Two buckets spin around in a horizontal circle on frictionless bearings. Suddenly it starts to rain. What happens to the magnitude of the angular velocity of the buckets as they start to fill with water?



1. It stays the same.
2. It decreases.
3. It increases.