Problem 108G
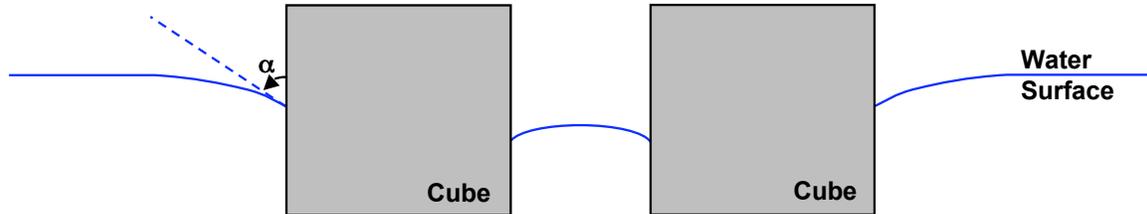
Two cubes are floating a distance apart in a pool of water whose surface tension is significant:

If the cubes are made of hydrophobic material (with a contact angle of $(\pi - \alpha) > 90°$) are they attracted or repulsed by one another? Give clear reasons for your answer and describe in detail how you would go about calculating the magnitude of the attractive or repulsive force.