

- (c) Fig. 2 shows the same pool and the same points A, B, S and T. The critical angle for the water is  $50^\circ$ .

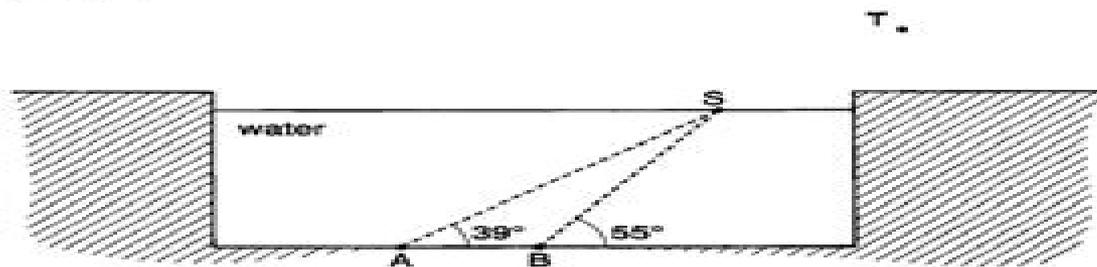


Fig. 2

- (i) A beam of light is directed up from B to S. On Fig. 2, carefully draw the path of the ray from B to S and then out into the air.
- (ii) 1. A beam of light is directed upward from A to S. Describe what happens to the beam at S.

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2. Explain why this happens.

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[4]

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