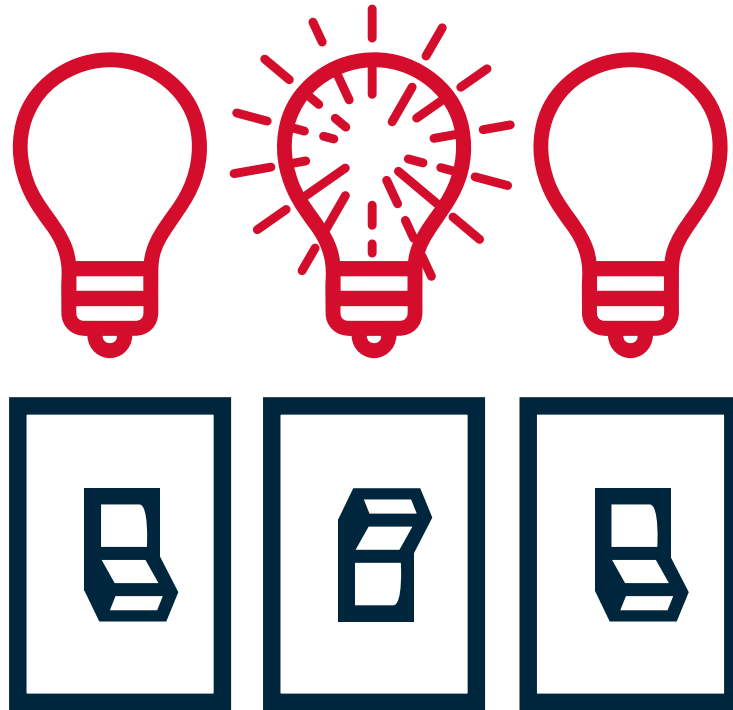


Be the Brightest Bulb in the Room

You are in a room with three identical light switches which operate three identical light bulbs in a different room. You are allowed only one trip into the room with the light bulbs. How can you determine which switch corresponds to each light bulb?



Turn on one switch for several minutes—long enough to make the light bulb warm to the touch. Then turn that switch off and turn on a different switch. Then you would go into the room with the light bulbs. The first switch that was turned on corresponds with the light bulb that is off, but warm to the touch. The lightbulb that is on corresponds with the switch that was turned on and left on before entering the room. The light bulb that is off and cool to the touch, corresponds with the switch that was never turned on!

Adapted from: <http://www.buzzle.com/articles/brain-teasers-for-adults.html>