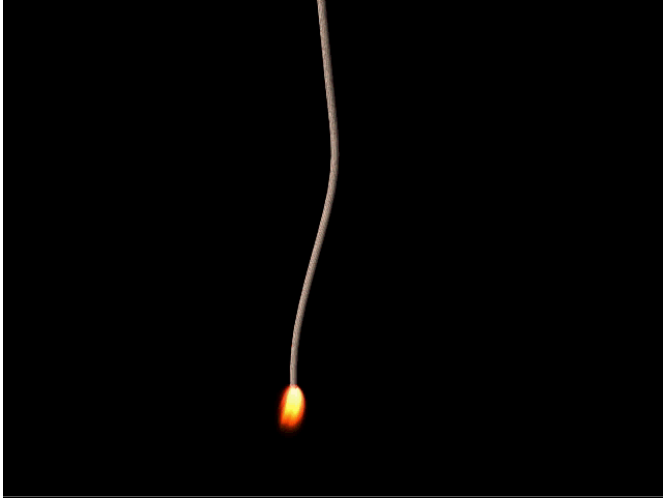


Puzzle 1 | (How to Measure 45 minutes using two identical wires?)

How do we measure forty-five minutes using two identical wires, each of which takes an hour to burn. We have matchsticks with us. The wires burn non-uniformly. So, for example, the two halves of a wire might burn in 10 minute and 50 minutes respectively



Answer:

Light up three of the four ends of the two wires. Once one wire is completely burnt, light up the fourth end. At 45 minutes, both wires are burnt completely.

Source: <http://www.geeksforgeeks.org/forums/topic/measuring-45-minutes-using-two-identical-wires/>