Source:

To test his prized cows' intelligence, Farmer John has trapped Bessie and Elsie in an escape room!

The escape room is a long tunnel in which the cows are traveling–Bessie at -0.4c and Elsie at 0.6c. At the start of the puzzle, both cows are at position zero in the tunnel where Farmer John is observing. To escape, Bessie has to turn on a light so Elsie sees it exactly five seconds after the challenge begins. Then, Farmer John will be satisfied that his cows are properly educated.

Bessie has a terrible sense of time and can only measure how far she has gone by regular 1-lightsecond markings on the tunnel wall. How far from the start should Bessie be when she turns on the light?

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