Extra Credit 15

A guy has two girlfriends: in the East and the West. He works near 5 Points Marta station and finishes his job at a random time of the day. Rather than deciding to choose which of the two girls to take the train to - he leaves the choice to a chance: he takes the train (East or West) whichever comes first. The west train comes every 10 mins, and the East train comes every 10 min throughout the day. Nevertheless, after half a year he finds out that he is coming to the East girl several times, actually more frequently than to the West girl. Why???

Explanation:

Assume the East train shows up at 09:00, 09:10, 09:20, and so forth and the West train comes following three moments at 09:03, 09:13, 09:23, and so forth. As given the ten-minute interval, thinking about it from 09:00 to 09:10. On the off chance that the man shows up somewhere in the range of 09:00 and 09:03, the 09:03 West train will be the first to show up (accepting that he doesn't show up at precisely 09:00). In the event that the man shows up somewhere in the range of 09:03 and 09:10, the 09:10 East train will be the first to show up. In any brief period, the East train will be the first.

Consequently, it is conceivable to reach to East girl for the most part.