

Problem

Justine and her friends are on a motorway driving to a music concert.

Whilst travelling to the concert Justine notices that her odometer (mileage readout) displays 8998 miles.



She turns to her friends and says, 'Look, that's a palindrome number! It's the same forwards as it is backwards'.

Ten minutes later Justine again notices the mileage on her odometer is a palindrome number.



How fast in mph was Justine's car travelling (on average) for those ten minutes?

