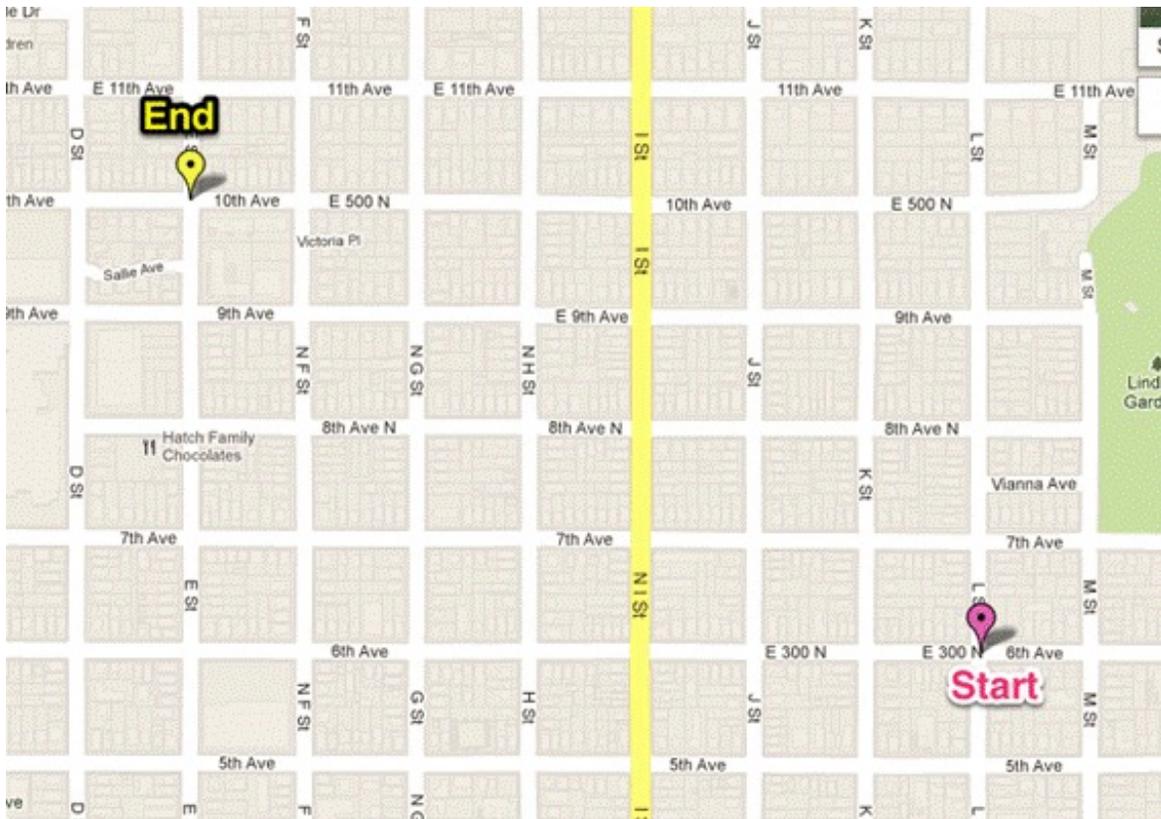


8.G Bird and Dog Race

Task

Doug is a dog, and his friend Bert is a bird. They live in Salt Lake City, where the streets are $\frac{1}{16}$ miles apart and arranged in a square grid. They are both standing at 6th and L. Doug can run at an average speed of 30 mi/hr through the streets of Salt Lake, and Bert can fly at an average speed of 20 mi/hr. They are about to race to 10th and E.



- Who do you predict will win, and why?
- Draw the likely paths that Doug and Bert will travel.

- c. What will you need to compare, in order to determine the winner?
- d. Devise a plan to calculate these, without measuring anything.
- e. Who will win the race?



8.G Bird and Dog Race
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