

Race to Tie:

Dear Students,

I just got this cool little car and want to race it in the classroom. The problem is, it really isn't fair that mine is a racecar and yours is just a little robot. To give you a chance of winning I will change the rules of the race. In this race your robot car will have to tie mine. You may start your car from wherever you would like.

Since how fast your Linkbot car is does not matter in the race, I will assign each team a speed. Even with the new race rules, I am still a little nervous about beating you so each team must show that their Linkbot car placement will result in a tie, the presentation must include:

- A name for your Linkbot car.
- A graph showing your car's motion.
- The velocity for your car.
- The placement of your car in the race so that it will tie the pace car.
- The final equation for your car.

After I am satisfied, each team will have two chances to tie my car.

Sincerely,
Your Teacher

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