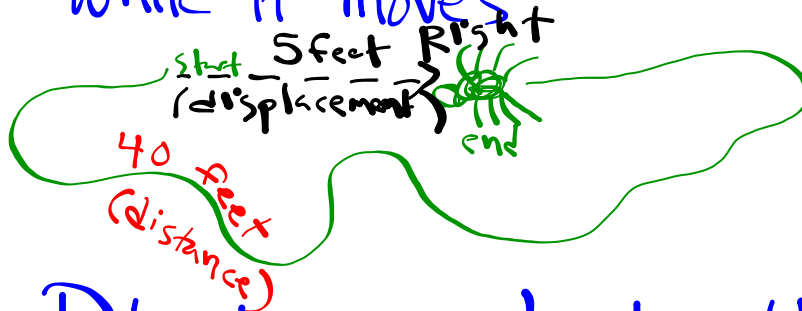
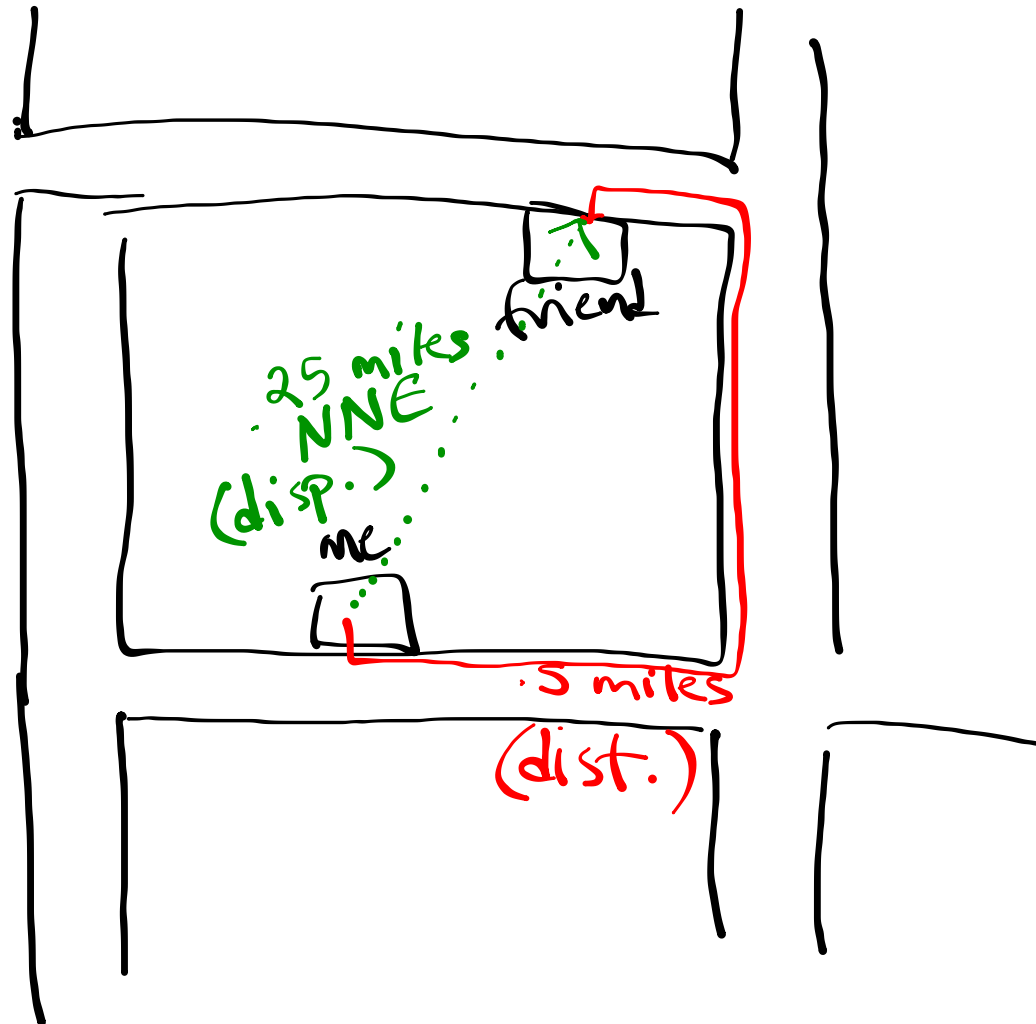


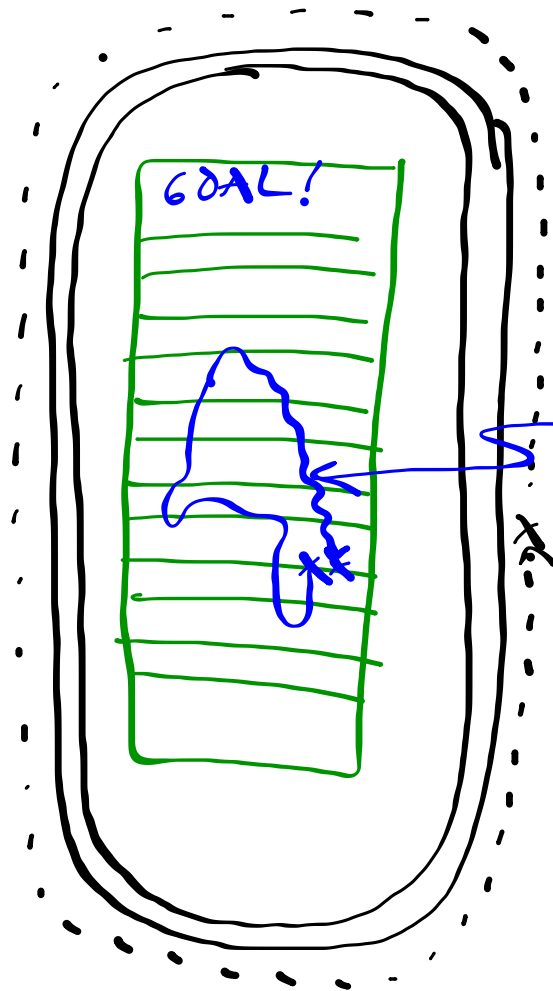
Distance vs. Displacement

Distance is the total length of a path an object makes while it moves



Displacement is the shortest length between where something starts and where it stops – and the direction

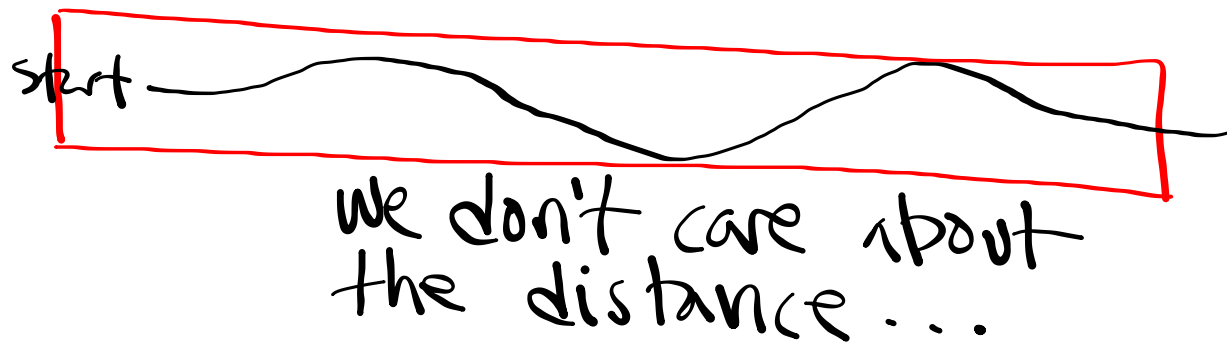
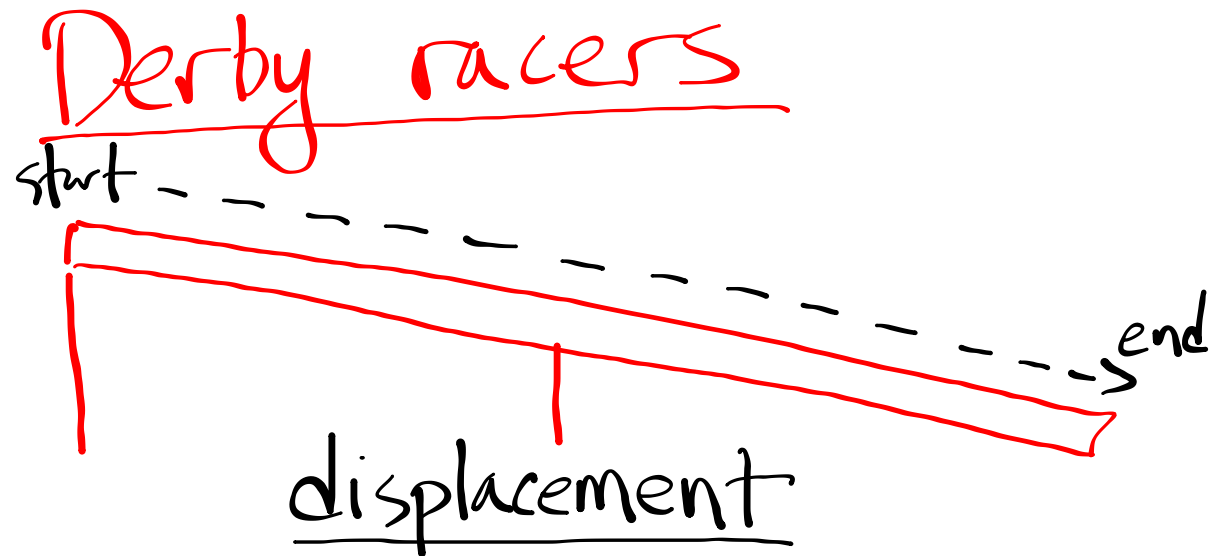




track: we care
about distance
not displacement

90 yd run! (dist.)

0 yd run (displacement)



How fast is something going?

speed - how much distance you
cover in a certain amount
of time

velocity - an object's displacement
in a certain amount of
time