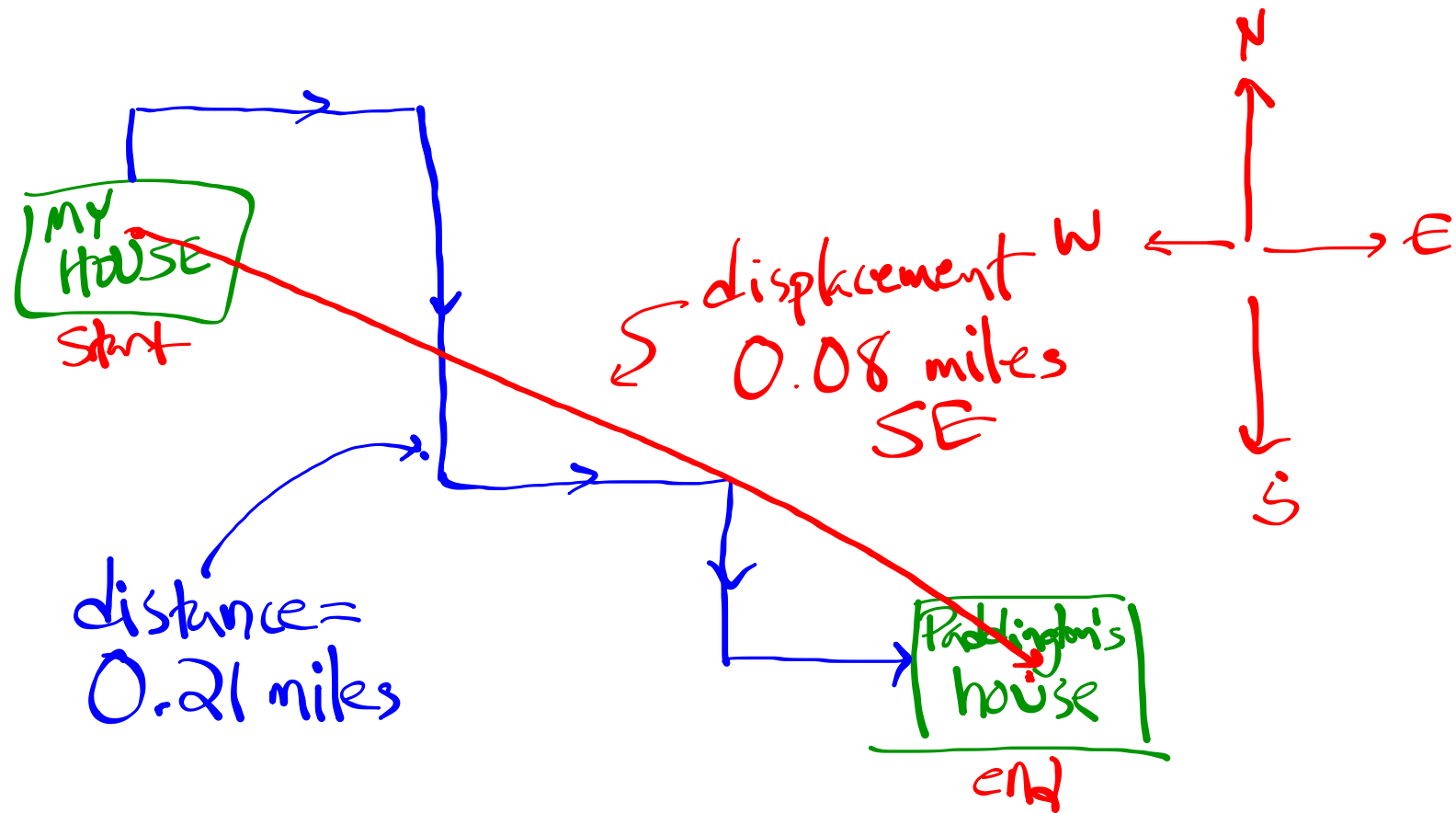
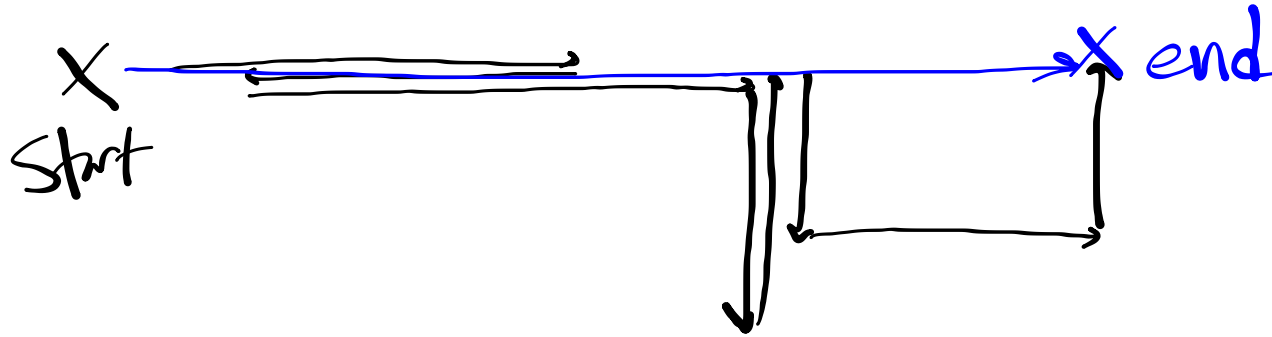


Distance vs. Displacement:

Distance: the total length of the path something takes as it's moving

Displacement: The shortest length between where an object starts and where it stops.
INDICATES THE DIRECTION!

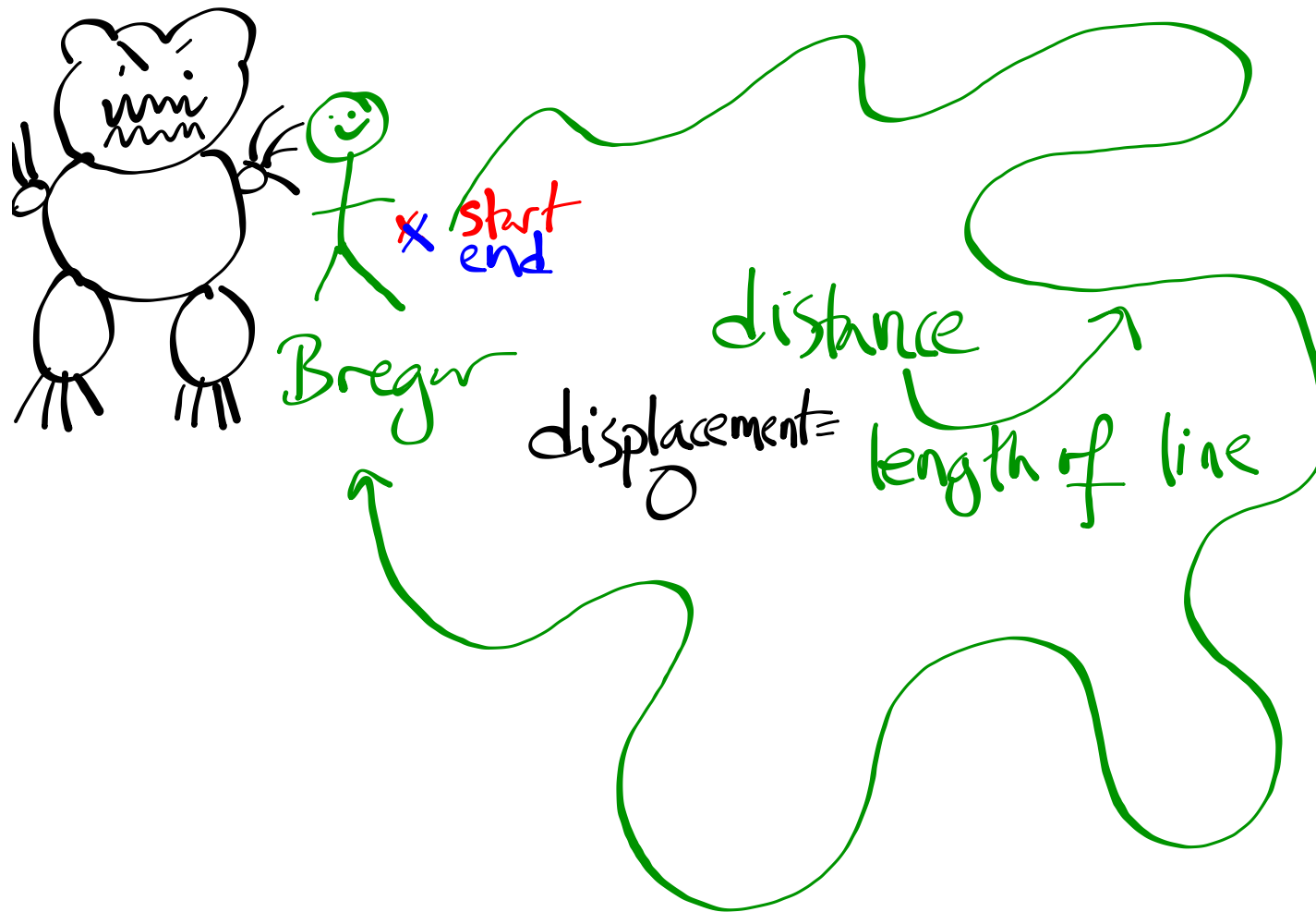




distance: add the length of
all the separate paths

displacement: length of blue
line + direction

distance > displacement



In science (physics) displacement is usually more important than distance.

(YOU NEED TO KNOW IT!)