Warm-Up: Travellers

Prepared by Mark on January 24, 2025

Problem 1:
Four travellers are on a plane, each moving along a straight line at an arbitrary constant speed.
No two of their paths are parallel, and no three intersect at the same point.
We know that traveller A has met travelers B, C, and D,
and that traveller B has met C and D (and A). Show that C and D must also have met.