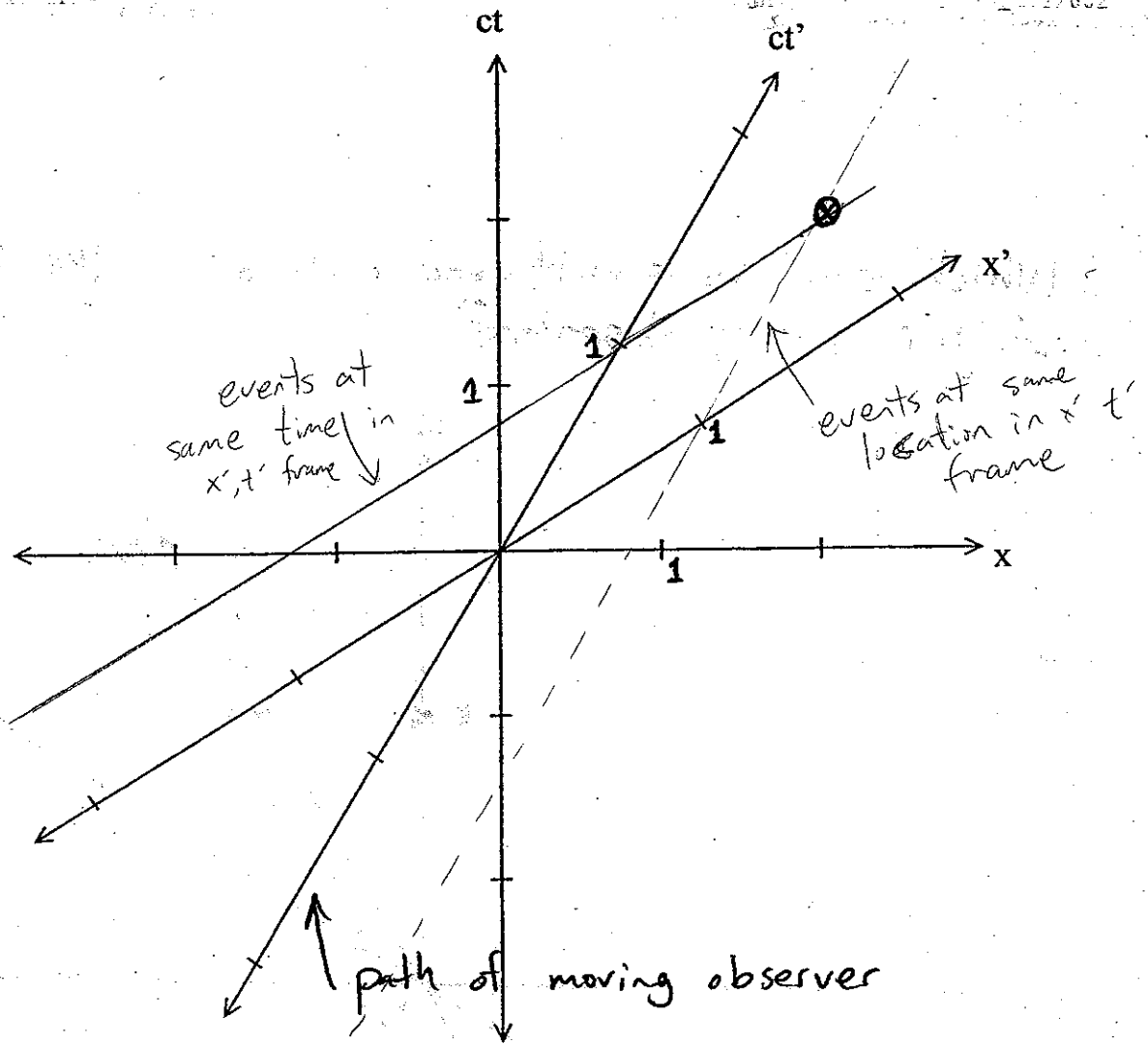


For the moving observer, the coordinates of the event \odot are closest to:

- A) $(x', t') = (0, 0)$
- B) $(x', t') = (1, 1)$
- C) $(x', t') = (2, 2)$
- D) $(x', t') = (1, 2)$
- E) $(x', t') = (2, 1)$



For the moving observer, the coordinates of the event \bullet are closest to:

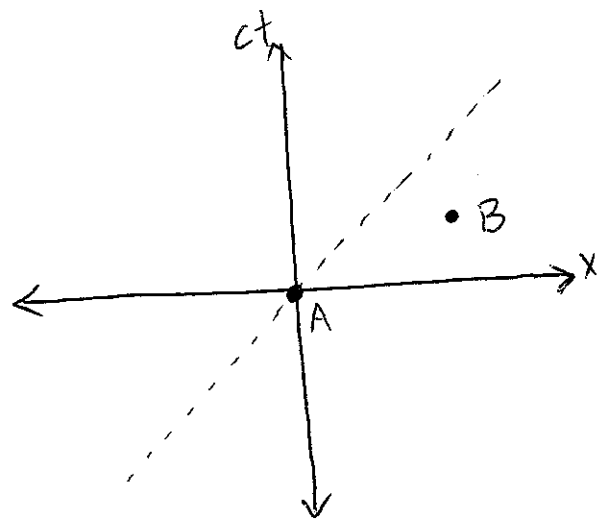
A) $(x', t') = (0, 0)$

B) $(x', t') = (1, 1)$

C) $(x', t') = (2, 2)$

D) $(x', t') = (1, 2)$

E) $(x', t') = (2, 1)$



For the pair of events A and B,
we have:

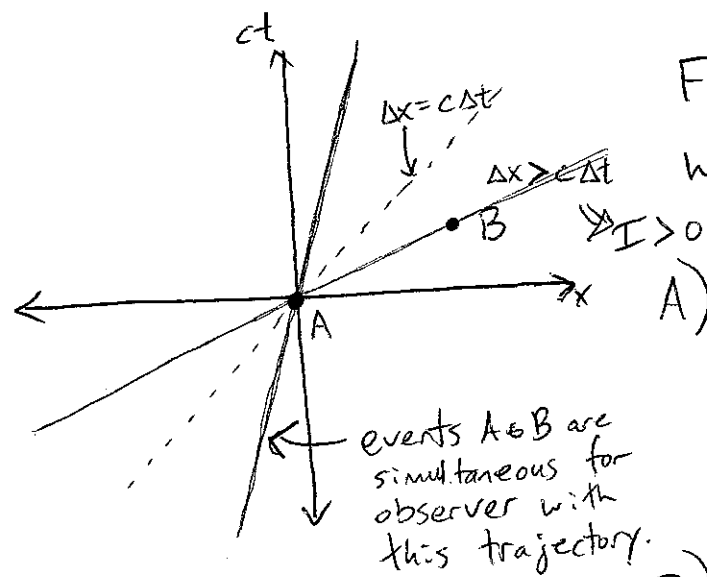
A) $I > 0$ & there is a frame of reference where these events happen at the same time

B) $I < 0$ & there is a frame of reference where these events happen at the same place

C) $I > 0$ & there is a frame of reference where these events happen at the same place

D) $I < 0$ & there is a frame of reference where these events happen at the same time

E) Both A and C are true



For the pair of events A and B,
we have:

A) $I > 0$ & there is a frame of reference where these events happen at the same time

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E) Both A and C are true