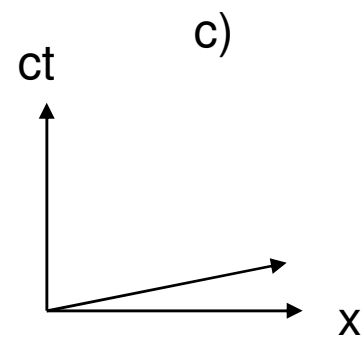
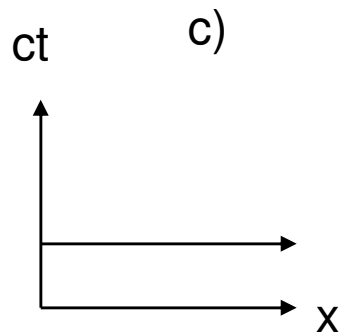
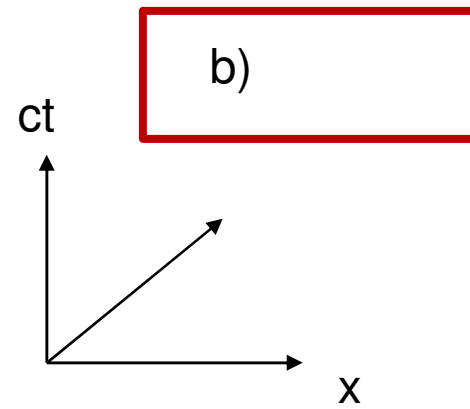
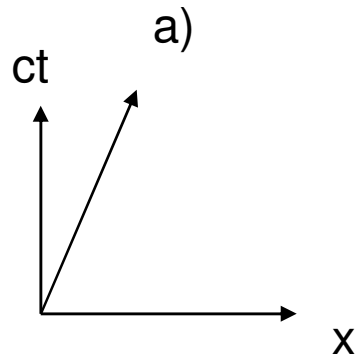
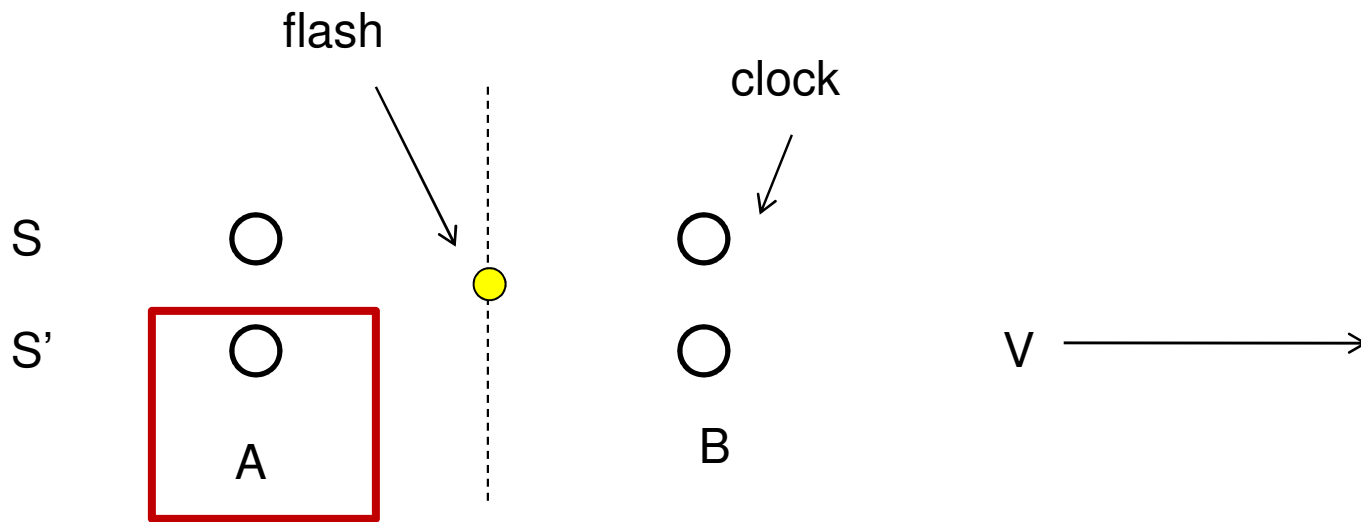


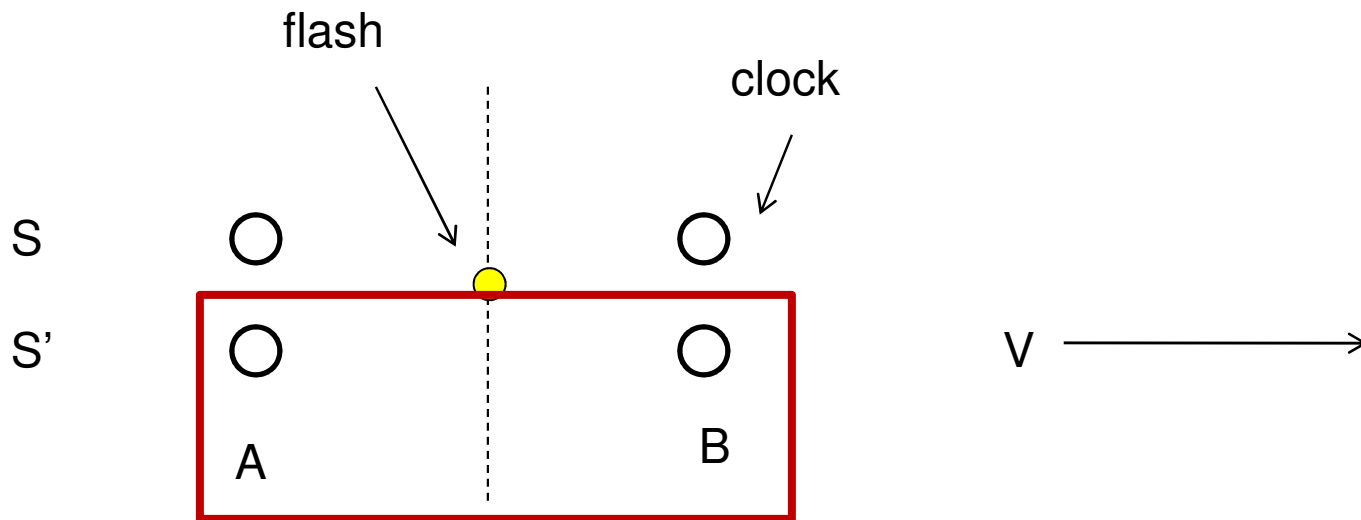
Which Spacetime Diagram shows the worldline of light?



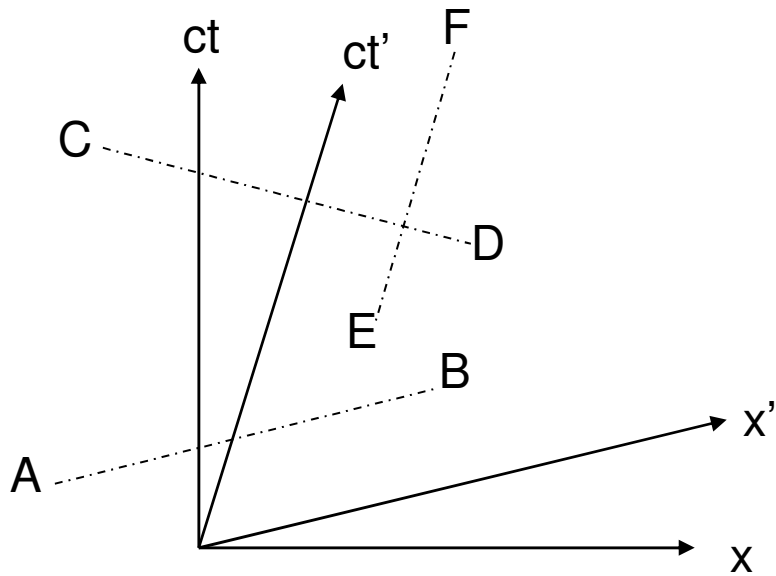
As seen from the laboratory frame, which clock in the spaceship frame receives the flash of light first?



As seen from the spaceship frame, which clock in the spaceship frame receives the flash of light first?



The clocks are synchronized using such a pulse of light, so the light must reach the clocks at the same time in S' .

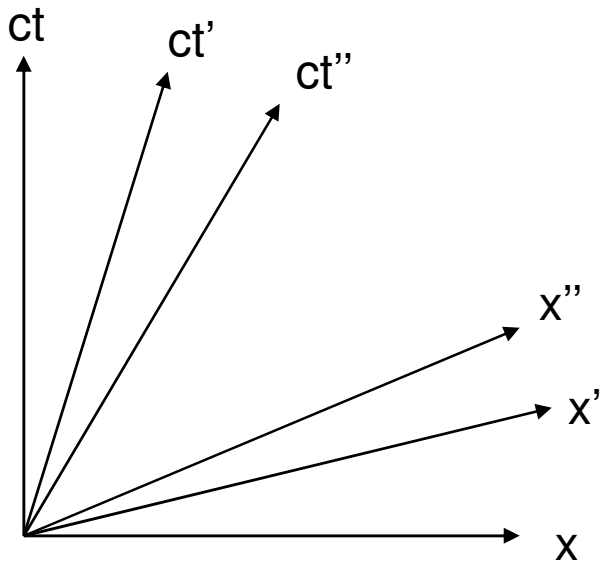


Which line could represent a set of synchronized clocks in the spaceship frame?

a) AB

b) CD

c) EF



Which coordinate system represents the fastest moving inertial frame with respect to the lab frame?

a) un-primed

b) primed

c) double primed