

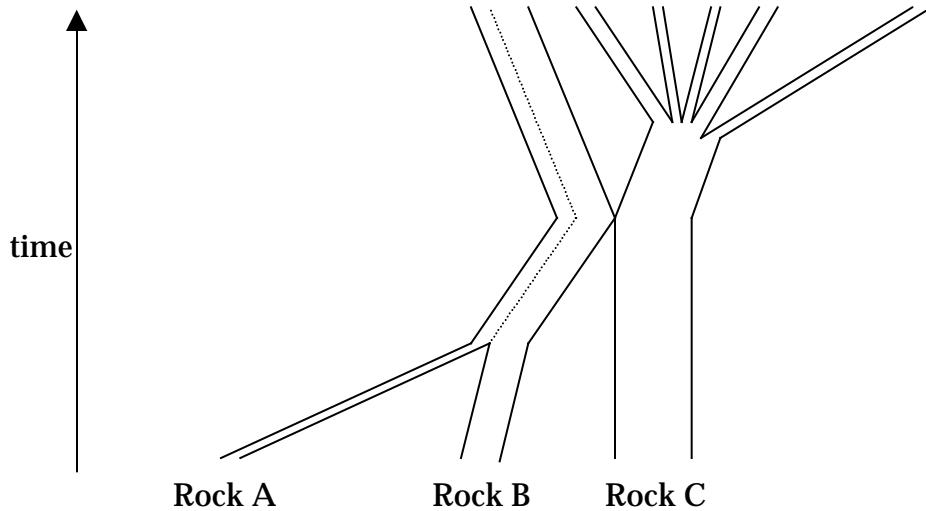
### Metaphysics: Problem set 3

February 5

due date: February 12

NB: Use your own words. No quotation, no paraphrase.

- 1 The following spacetime diagram represents part of the history of three rocks floating in space. (i) Describe the events represented in the diagram.  
(ii) Describe the events that would be represented in the diagram if the arrow of time went from top to bottom instead of from bottom to top.



- 2 Draw a spacetime diagram of the moon orbiting the earth. (Note: the best way to get this to look right is to draw a 2d picture of an imaginary 3d diagram of this situation.)
- 3 Draw a spacetime diagram of the story of Descartes as told by van Inwagen. Choose THREE different ways of resolving the paradox and explain how the proponents of these views would annotate the diagram.