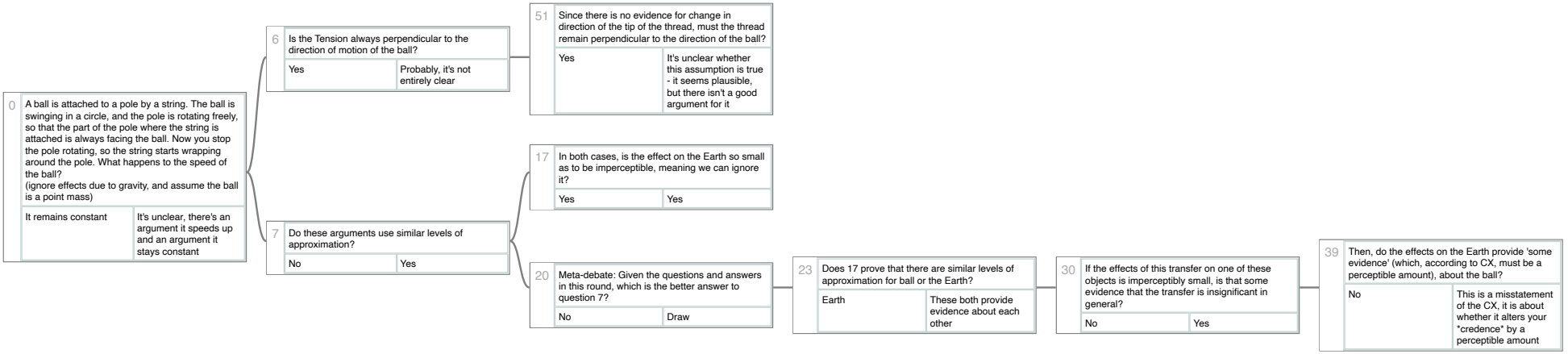
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A ball is attached to a pole by a string. The ball is swinging in a circle, and the pole is rotating freely, so that the part of the pole where the string is attached is always facing the ball. Now you stop the pole rotating, so the string starts wrapping around the pole. What happens to the speed of the ball?
(ignore effects due to gravity, and assume the ball is a point mass)
It remains constant
It's unclear, there's an argument it speeds up and an argument it stays constant
6
Is the Tension always perpendicular to the direction of motion of the ball?
Yes
Probably, it's not entirely clear
51
Since there is no evidence for change in direction of the tip of the thread, must the thread remain perpendicular to the direction of the ball?
Yes
It's unclear whether this assumption is true - it seems plausible, but there isn't a good argument for it
7
Do these arguments use similar levels of approximation?
No
Yes
17
In both cases, is the effect on the Earth so small as to be imperceptible, meaning we can ignore it?
Yes
Yes
20
Meta-debate: Given the questions and answers in this round, which is the better answer to question 7?
No
Draw
23
Does 17 prove that there are similar levels of approximation for ball or the Earth?
Earth
These both provide evidence about each other
30
If the effects of this transfer on one of these objects is imperceptibly small, is that some evidence that the transfer is insignificant in general?
No
Yes
39
Then, do the effects on the Earth provide 'some evidence' (which, according to CX, must be a perceptible amount), about the ball?
No
This is a misstatement of the CX, it is about whether it alters your *credence* by a perceptible amount