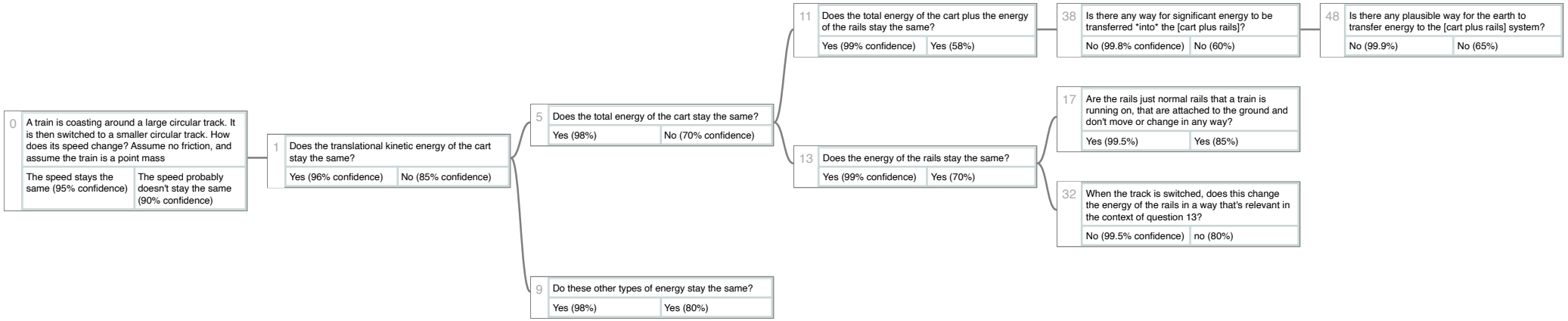
0
A train is coasting around a large circular track. It is then switched to a smaller circular track. How does its speed change? Assume no friction, and assume the train is a point mass
The speed stays the same (95% confidence)
The speed probably doesn't stay the same (90% confidence)
1
Does the translational kinetic energy of the cart stay the same?
Yes (96% confidence)
No (85% confidence)
5
Does the total energy of the cart stay the same?
Yes (98%)
No (70% confidence)
9
Do these other types of energy stay the same?
Yes (98%)
Yes (80%)
11
Does the total energy of the cart plus the energy of the rails stay the same?
Yes (99% confidence)
Yes (58%)
38
Is there any way for significant energy to be transferred *into* the [cart plus rails]?
No (99.8% confidence)
No (60%)
48
Is there any plausible way for the earth to transfer energy to the [cart plus rails] system?
No (99.9%)
No (65%)
13
Does the energy of the rails stay the same?
Yes (99% confidence)
Yes (70%)
17
Are the rails just normal rails that a train is running on, that are attached to the ground and don't move or change in any way?
Yes (99.5%)
Yes (85%)
32
When the track is switched, does this change the energy of the rails in a way that's relevant in the context of question 13?
No (99.5% confidence)
no (80%)