1 The yeti tried to seem to have been dancing.

To approach this, the first thing is to pick out the verbs and the participants, in order to count the θ-roles.

We have dance, seem, and try. Dance has an Agent, seem has a Proposition, and try has both an Agent and a Proposition.

(1) The yeti tried to seem to have been dancing.
(2) [The yeti tried [PRO to seem [t to have been t dancing ]]]

So, building up the lower TP first, we have
Add to that the next TP up, where the main verb is *seem*—this causes the PRO that is in the subject position of the lower clause to raise to the subject position of the middle clause.

And finally, the top CP for *try*, which includes a CP complement (needed in order to assign null case to PRO).
So, in full, we have