Trees

Draw the tree T with $V(T) = \{v_1, v_2, v_3, v_4, v_5, v_6\}$ and $E(T) = \{v_1v_3, v_2v_3, v_3v_4, v_4v_5, v_4v_6\}$.
Construct all the non-isomorphic tree on seven vertices which may be obtained by adding a new vertex of degree one to T.
Explain briefly why the trees you obtained are not isomorphic to each other.

Trees