In[155]:= TreePlot[{8 → 4, 8 → 12, 4 → 2, 4 → 6, 12 → 10, 12 → 14, 2 → 1, 2 → 3,
6 → 5, 6 → 7, 10 → 9, 10 → 11, 14 → 13, 14 → 15}, VertexLabeling → True]

Out[155]=