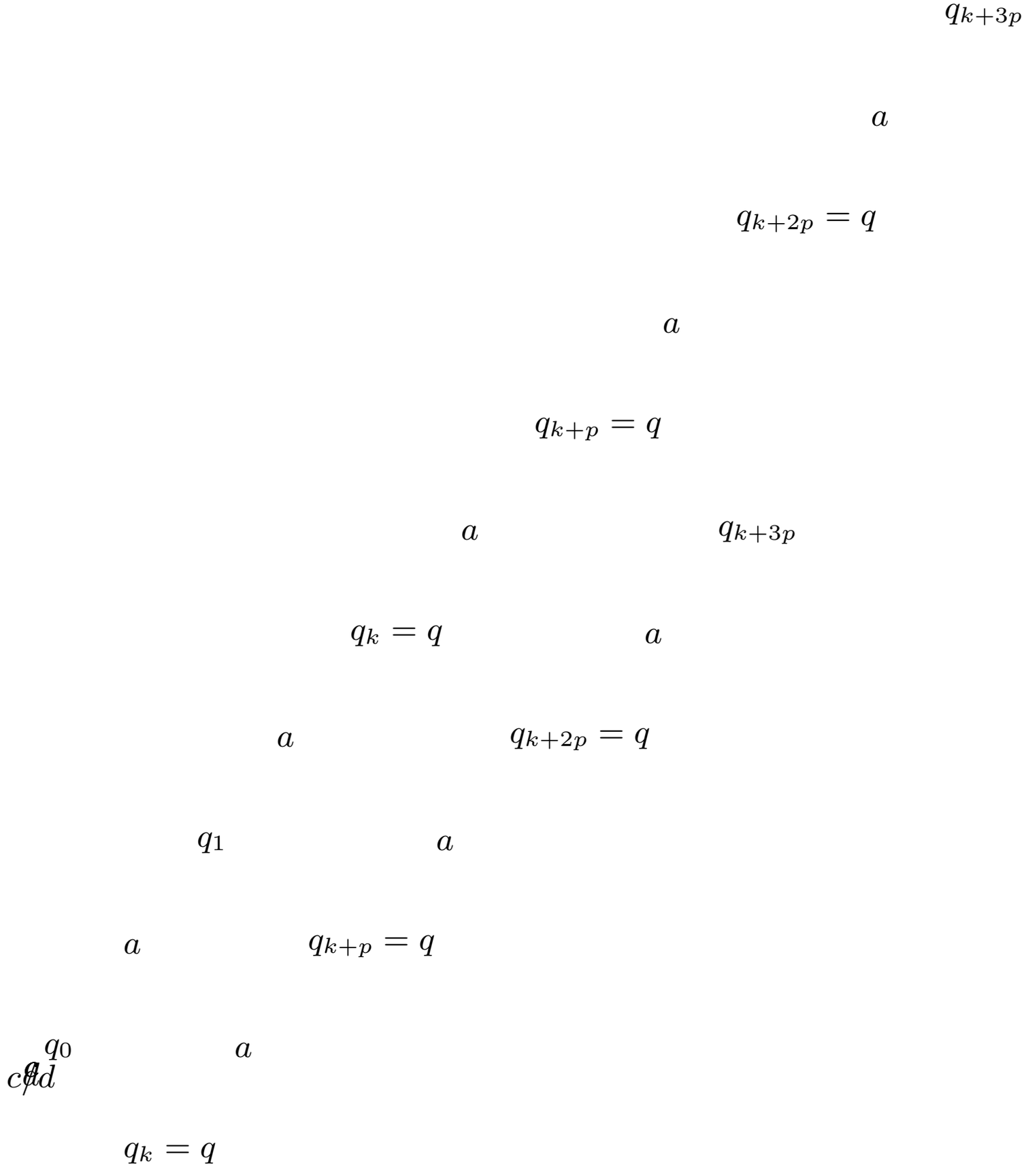

Figure 1: Illustration for the proof of Proposition **??**. All inner nodes of the tree are labeled with a. All leaves not shown in the illustration are labeled with c.