Let $FG$ be the group algebra of a group $G$ over a field $F$ of characteristic $p$, and let $U(FG)$ denote the group of units of $FG$. Let $G$ and $H$ finite $p$-groups. The following question is due to Berman: Is it true that $U(FG)$ and $U(FH)$ are isomorphic if and only if $G$ and $H$ are isomorphic? We give some results about the structure of the group of units $U(FG)$ which is needed to investigate the isomorphism problem of the group of units. In the context of derived length of $U(FG)$ we focus attention on that there is a closer relation between the Lie derived lengths of the algebra $FG$ and the derived length of the group of units.