Abstract
This article shows the application of the Process of Reasoning (PR) to identify the Undesirable Effects and core problem in a battery of samba school. The study demonstrates the application of only one of the five tools of PR, the Current reality tree. Methodologically, this research is classified as exploratory and literature. It is characterized as a documentary, because it examined the statement of justification of the jurors, using content analysis to interpret what was being said about battery performance. With the information obtained, it was possible to construct the Current reality tree, to identify the undesirable effects and view the core problem. It was concluded that of the seventeen undesirable effects identified, the arrangement of instruments in the battery, damaging the auditory perception of the Director of battery for all instruments, is the root problem. Upon completion of the examination, questions are presented that can serve as a basis for further researches, using other tools of PR not used in this paper.

Keywords
Process of reasoning, theory of constraints, the current reality tree, samba school, battery.