Algoritmo para calcular un cociente real con control de cantidad de decimales utilizando dos paradigmas de programación [

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text (article)

Analítica

This article presents an algorithmic approach for calculating an actual ratio by controlling the number of decimal places using cyclic and recursive processes with imperative and functional programming respectively. The purpose of this research is to demonstrate how easy is that these students achieve on their own solve problems that are known, all in pursuit of an effective learning process, with meaning and sense. Methodologically the students knew the steps that were to be performed and developed, comparatively, an algorithmic solution into two programming paradigms. We found that for students is very important to find a direct relationship between previous knowledge and new knowledge so that some are reflected in each other and that could demonstrate that computer programming, as technological expression underlie independent common models of the technology involved. We conclude that when programming students know the methodology to be used to solve a problem, follow step to that step methodology, implement and verify that the results with the requirements within the framework of some problems that are closed, learning computer programming will be very simple and effective
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