Problem Solving Strategies in Mathematics and Computer Science

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Abstract. Problem-solving involves discovering, analyzing and solving problems using various strategies. The most important approaches used both by mathematicians and computer scientists and specific strategies are discussed. The attention is directed to educational curriculum in computer science both for high schools and universities according to the new international vision on education in information technology.

Aspects on creative thinking are covered with respect to the national and international competitions in computer science (ONI, BOI, CEOI, IOI etc.).