Four_colour_problem

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Summary:

Four color theorem - Wikipedia In mathematics, the four color theorem, or the four color map theorem, states that, given any separation of a plane into contiguous regions, producing a figure called a map, no more than four colors are required to color the regions of the map so that no two adjacent regions have the same color. The Four Colour Theorem : nrich.maths.org The Four Colour Conjecture was first stated just over 150 years ago, and finally proved conclusively in 1976. It is an outstanding example of how old ideas combine with new discoveries and techniques in different fields of mathematics to provide new approaches to a problem. Four-Color Theorem -- from Wolfram MathWorld The four-color theorem states that any map in a plane can be colored using four-colors in such a way that regions sharing a common boundary (other than a single point) do not share the same color. This problem is sometimes also called Guthrie's problem after F. Guthrie, who first conjectured the.

The Four Color Theorem - math.gatech.edu The Four Color Theorem. This page gives a brief summary of a new proof of the Four Color Theorem and a four-coloring algorithm found by Neil Robertson, Daniel P. Sanders, Paul Seymour and Robin Thomas. The Four-Color Problem: Concept and Solution In 1879, A. Kempe (1845â€“1922) published a solution of the four-color problem. That is to say, he showed that any map on the sphere whatever could be colored with four colors. Four color theorem - Simple English Wikipedia, the free ... The four color theorem is a theorem of mathematics. It says that in any plane surface with regions in it (people think of them as maps), the regions can be colored with no more than four colors.

Four-colour problem - Encyclopedia of Mathematics The numerous attempts to solve the four-colour problem have influenced the development of certain branches of graph theory. In 1976 an affirmative answer to the four-colour problem, with the use of a computer, was announced (cf. The Four Color Theorem - MathPages The Four Color Theorem asserts that every planar graph - and therefore every "map" on the plane or sphere - no matter how large or complex, is 4-colorable. Despite the seeming simplicity of this proposition, it was only proven in 1976, and then only with the aid of computers. The Notorious Four-Color Problem The Four-Color Theorem Graphs The Solution of the Four-Color Problem More About Coloring Graphs Coloring Maps History The Map-Coloring Problem Question: How many colors are required to color a map of the.

The Four Color Theorem - UMass Amherst The Four Color Theorem Yuriy Brun Abstract. In this paper, we introduce graph theory, and discuss the Four Color Theorem. Then we prove several theorems, including Eulerâ€™s formula and the Five Color Theorem.

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