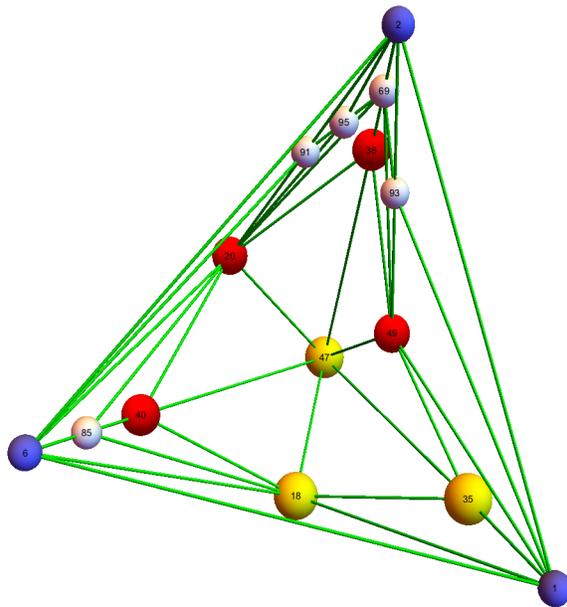


# TOWARDS A TOPOLOGICAL PROOF OF THE FOUR COLOR THEOREM XIV

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ABSTRACT. While programming, we are bugged with a strange case where cleaning out a later sphere like (15) affects an earlier one (14). The cleaning of 15 cuts the connection (1,49) with a new vertex 93 which is both unit spheres. This seems only to be a problem with the programming on how we construct the cuttings. It should not affect the theoretical statement that we always can cut a 2-sphere if a disc and a triangle are off limit for cutting.

Sphere=15



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*Date:* March 21, 2015, part of public research diary. Possibly and likely to be buggy.

*1991 Mathematics Subject Classification.* Primary: 05C15, 05C10, 57M15 .

*Key words and phrases.* Chromatic graph theory, Geometric coloring.

Sphere=14

