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The Rubik's Cube group is a group $\{ \}$ that represents the structure of the Rubik's Cube mechanical puzzle. Each element of the set G $\{ \}$ corresponds to a cube move, which is the effect of any sequence of rotations of the cube's faces. With this representation, not only can any cube move be represented, but also any position of the cube as well, by detailing the cube moves required to rotate the solved cube into that position. Indeed with the solved position as a ...

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