REFLECTION

I could notice that many excellent mathematicians tried to demonstrate the fifth postulate, and almost all of them made some mistakes. But, the search for a proof of this postulate led to the development of new geometries, independent of this postulate. In virtue of this fact, I could say that some mistakes sometimes show the way to new discoveries. These new geometries, called non-Euclidean geometries, have some differences within relation to Euclidean geometry, and I tried to point out the most important differences between Euclidean geometry and Hyperbolic Geometry.