

This is a truth table proof of one of the first real analysis topics "irrationality of root two". Here I have provided a truth table chart showing that square root of two is irrational (cannot be expressed in p/q form). The usual approach is by the proof by contradiction method. Here we analyze differently with a truth table chart and finally show, even to skeptics who do not believe quickly, that the statement "square root of two is irrational" is indeed true.