Mathematics are not complete

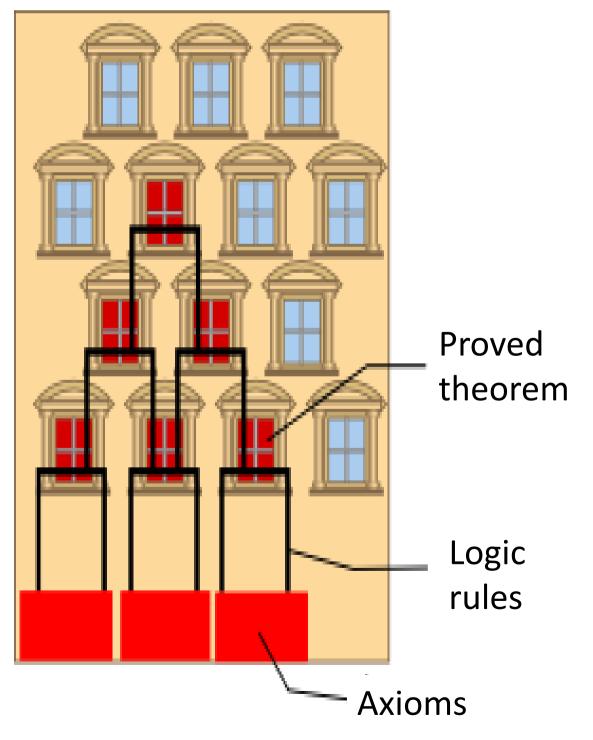
Or the first Gödel theorem

Introduction

Historically mathematics were usually studied with philosophy to find the truth. Mathematics in philosophy contrast to seem irrefutable.

What is the truth in maths and every truth is it provable?

I. How maths are built?



II. Difference between true and provable a) Definition False True Provable Refutable Complete

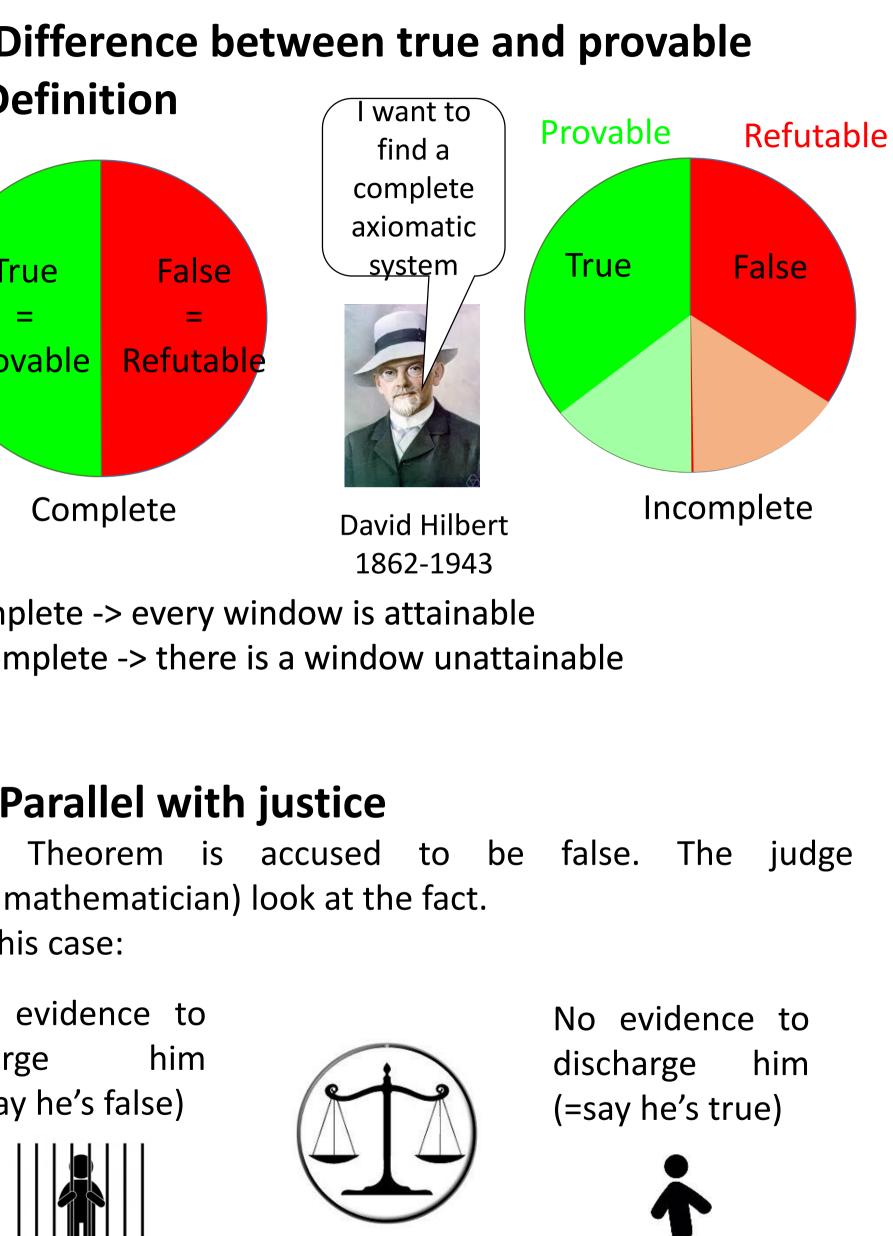
Complete -> every window is attainable Incomplete -> there is a window unattainable

b) Parallel with justice

Mr (=a mathematician) look at the fact. In this case:

No evidence to him charge (=say he's false)





Lucie DEVEY & Romain SIMEON

III. Incoherence

Incoherent axioms system= it exists a theorem provable and refutable

IV. First theorem

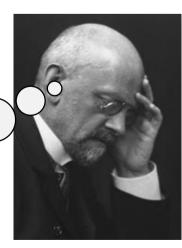


axioms An system allowing arithmetic, İS incomplete or incoherent.

Kurt Gödel 1906-1978

Simplified idea of proof: Create a theorem called G G is provable if and only if G is false

It is not possible to find a complete axiomatic system



David Hilbert 1862-1943

https://plus.maths.org/content/goumldel-and-limits-logic