

• Gödel Numbering Part I: If the problem on the right is easier than the problem on the left then we win!

The problem of whether a particular string is a theorem of F

Meta- F
statements about strings of F

↑
Jump Out of the System

strings that are theorems of F

↑
Axioms and Rules of F

strings of F

↑
Symbols of F

The problem of whether a particular number is an F -number

Number Theory
statements about numbers, especially about F -numbers in our application

↑
Jump out of the System

numbers that are F -producible

↑
"Arithmetrized"
Axioms and Rules of F

subset of all numbers ~~that~~ each of which is the Gödel number of some string

↑
Small subset of all numbers

→
Gödel Numbering