

피타고라스

$|N| = |N \times N|$ — ~~same~~ 합우선, 사전식 배열 다음

유리수는 아-증답다
(자변수)

$\leftrightarrow N$

$\sqrt{2}$,

Cantor's diagonal argument (18~~91~~⁹¹)

Russel's Paradox (1901)

Gödel's Incompleteness Theorem (1931)

Halting Problem

거짓말쟁이인 것은 $\frac{1}{2}$

바보 아바는 $\frac{1}{2}$

1.2 Language

(M, \cdot) is an algebraic system, (연산계)

If M is a set and

$\cdot : M \times M \rightarrow M$ (Binary operation closed; 닫혀있음)

(2) semigroup. associative (결합법칙)

(3) Monoid (ϵ) 항등원 (identity ele.)

Let V be a vocabulary.

(V^*, \cdot, ϵ) is a free monoid over V.

