

Mathematics for Computing

Spreadsheet Commands for Number Systems

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Number Systems

Simple spreadsheet commands that can be used to determine the equivalent decimal numbers for binary or hexadecimal numbers, and vice versa.

- ▶ `bin2dec()` : Binary to Decimal
- ▶ `dec2bin()` : Decimal to Binary
- ▶ `hex2dec()` : Hexadecimal to Decimal
- ▶ `dec2hex()` : Decimal to Hexadecimal
- ▶ `hex2bin()` : Hexadecimal to Binary
- ▶ `bin2hex()` : Binary to Hexadecimal

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Constraints:

- ▶ The commands related to binary numbers do not work for any number greater than $511_{(10)}$
- ▶ That is to say, the maximum number of binary digits is 9.
- ▶ (You can specify negative numbers also, but not relevant to most college courses)

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Exercises:

- ▶ **1101011**₂ : Find decimal and hexadecimal equivalents,
- ▶ **234**₁₀ : Find binary and hexadecimal equivalent,
- ▶ **A5E**₁₆ : Find binary and decimal equivalent.
- ▶ **250000**₁₀ : Find hexadecimal equivalent.

Number Systems

Financial Mathematics