

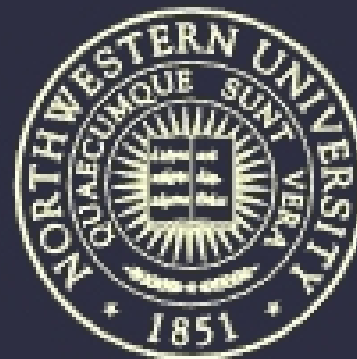
Introduction to Computer Engineering – EECS 203

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Outline

1. Number Systems
2. Homework

Introduction to number systems

Consider a base-10 number: 1,293

$$1,293 = 1 \cdot 10^3 + 2 \cdot 10^2 + 9 \cdot 10^1 + 3 \cdot 10^0$$

For base-10, given an n -digit number in which d_i is the i th digit, the number is

$$\sum_{i=0}^n 10^{i-1} \cdot d_i$$