

## DIGITAL SYMBOLS

## Why

We want to associate the elements of some finite set with bit strings.

## **Definition**

Let X be a set with |X| = n. Let  $x : \{1, 2, ..., n\} \to X$  be an ordering of X. The *digital symbol* associated with  $x_i \in X$  is the digital integer associated with the natural number i.

In this context X is called sometimes called an alphabet or  $symbol\ set.$ 

