



Why

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

Definition

Let X be a set with $|X| = n$. Let $x : \{1, 2, \dots, n\} \rightarrow X$ 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*.

