## Predicate truth set definition

**Definition**: The **truth set** of a predicate is the collection of all elements in its domain where the predicate evaluates to T.

Notice that specifying the domain and the truth set is sufficient for defining a predicate.

## Predicate truth set example

The truth set for the predicate V(x) is \_\_\_\_\_. The truth set for the predicate N(x) is \_\_\_\_\_. The truth set for the predicate Mystery(x) is \_\_\_\_\_.