# 1 Macros

This is a collection of commonly used synonyms for notions hard-coded into ℕaproche. It is intended to be imported to other ForTheL files to provide these synonyms for them, rather that being considered as a stand-alone file.

## 1.1 Equality

Let $x$ and $y$ agree stand for $x = y$.

Let $x$ agrees with $y$ stand for $x = y$.

Let $x$ and $y$ are distinct stand for $x \neq y$.

## 1.2 Elementhood Relation

Let a member of $X$ stand for an element of $X$.

Let $x$ belongs to $X$ stand for $x$ is an element of $X$.

Let $X$ contains $x$ stand for $x$ is an element of $X$.

Let $x$ is contained in $X$ stand for $x$ is an element of $X$.

Let $x$ lies in $X$ stand for $x$ is an element of $X$.

Let $x$ is in $X$ stand for $x$ is an element of $X$.

## 1.3 Domain

Let the domain of $f$ stand for $\mathrm{dom}(f)$.

Let $f$ is defined on $X$ stand for $\mathrm{dom}(f) = X$.

## 1.4 Map Application

Let the value of $f$ at $x$ stand for $f(x)$.

Let $f(x, y)$ stand for $f((x, y))$.