

# 1 Symbolic representation of the Four Noble Truths

$$\forall L \exists = S \tag{1}$$

$$S \because \neq e(x) \tag{2}$$

$$\therefore \neg \neq e(x) \implies \neq S \tag{3}$$

$$8 \implies |e(x)| \geq \Sigma e(x) \tag{4}$$

*L* = life

*S* = suffering

8 = eightfold middle path

## 1.1 Text explanation

All of the other symbols are mathematical symbols. The translation of the above mathematical expression with the definition of the mathematical symbols in italics:

1. *For all life, that there exists, there is suffering.*
2. *Suffering exists because of unfulfilled expectations.*
3. *Therefore, it follows that, the logical negation of false expectations leads to no suffering.*
4. *By following the eightfold middle path, you have the absolute value of fulfilled expectations which are greater than or equal to the sum total of all expectations.*

## 2 Another representation

$$S \exists \forall L \exists; L = S \tag{1}$$

$$(S \exists) \because (E_{fulfilled} < \Sigma E) \tag{2}$$

$$(E_{unreasonable} = 0) \implies (S = 0) \tag{3}$$

$$8 \implies (\Sigma E \leq E_{fulfilled}) \tag{4}$$

*L* = life    *S* = suffering    *E* = expectations    8 = eightfold middle path

$\exists$  = "exists"     $\forall$  = "for all"     $\Sigma$  = "sum total"

$<$  = "less than (and **not** equal to)"     $\leq$  = "less than or equal to"

## 2.1 Text explanation

1. Suffering exists for all life exists. Life is suffering.
2. Suffering exists because the amount of expectations fulfilled is always less than the sum total of all expectations. Expectations fulfilled can never equal total expectations.
3. When unreasonable expectations cease to exist, suffering also ceases to exist.
4. The eightfold middle path sets the sum total of expectations less than or equal to the amount of fulfilled expectations.