Cheatsheet for 001-003-sets.tex

```
\exConstants
                                         \emptyset, N, Z, Q, R, C, B
\exIsIn
                                         x \in \mathbb{Z}, \ x \in \mathbb{Z}
\exIsNotIn
                                        x \notin \mathbb{C}, \ x \notin \mathbb{C}
                                         x \subset \mathbb{C}, \ x \subset \mathbb{C}
\exSubset
\exMinus
                                        \mathbb{C}\setminus\{x\}
\exByExtA
                                         \{1, 2, \ldots, n\} = A
\exByExtB
                                         A = \{1, 2, \ldots, n\}
                                         B = \{x \in \mathbb{Q} \mid f(x+3) > 38 \mid x \le 2\}
\exByDef
                                         [x, y, z], [x, y, z[, ]x, y, z], ]x, y, z[
\exRanges
                                         \mathcal{P}(\mathbb{R})
\exPowerSet
                                         B^{A}
\ensuremath{\setminus} exFunctional
                                         (x, y, z) \in A \times B \times \mathbb{Q}
\exCartesian
\ensuremath{\setminus} exCardinal
                                         |\emptyset| = 0
\backslash \texttt{exIndic}
                                         \mathbb{1}_{\{x \in \mathbb{Q} \mid f(x+3) > 38 \mid x \le 2\}}(y)
                                         \max_{y \in \{x \in \mathbb{Q} \mid f(x+3) > 38 \mid x \le 2\}} g(y^2)
\exMax
                                        \min_{y \in \{x \in \mathbb{Q} \mid f(x+3) > 38 \mid x \le 2\}} g(y^2)
\ensuremath{\texttt{exMin}}
                                                     argmax
\exArgmax
                                        y \in \{x \in \mathbb{Q} \mid f(x+3) > 38 \mid x \le 2\}
                                                      argmin
\ensuremath{\texttt{exArgmin}}
                                        \mathop{\rm argmin}_{y \in \{x \in \mathbb{Q} \ | \ f(x+3) > 38 \ | \ x \leq 2\}}
\ensuremath{\texttt{exUnion}}
                                        x \cup y \cup z
\exInter
                                        x \cap y \cap z
                                         \bigcup x_i, \bigcup i
\exUnionIter
\exInterIter
                                            x_i, []i
                                         \operatorname{Re}(a+ib), \operatorname{Re}(a+ib)
\exComplexRe
\exComplexIm
                                         \operatorname{Im}(a+ib), \operatorname{Im}(a+ib)
\ensuremath{\backslash} exComplexModule
                                        mod(a+ib), mod(a+ib)
\excomplexArgument | arg(a+ib), arg(a+ib)
```