```
configurations
    ::=
                                                                                  ::=
                                                               terms
             true
                                                         true value
                                                                                            v
                                                                                           t[s]
             false
                                                         false value
                                                                                            c :: T
                                                    numeric value
             n
                                                                                            \mathsf{mlet}\ x:T=c\ \mathsf{in}\ c
                                                        abstraction
              \lambda x. t
                                                            variable
                                                                                            c c
             \boldsymbol{x}
             t t
                                                        {\sf application}
                                                                                            \mathsf{add1}\ c
             \mathsf{mlet}\ x:T=t\ \mathsf{in}\ t
                                                   overloading let
                                                                                            \mathsf{not}\ c
             t :: T
                                                          ascription
                                                                                            error
             \mathsf{add1}\ t
                                                                                                                         explicit substitutions
                                                                 sum
             \mathsf{not}\ t
                                                           negation
                                                                                                                           empty substitution
                                                                                            x\mapsto \{\overline{v}\}, s
                                                                                                                         variable substitution
                                         configuration-values\\
v
     ::=
                                                         true value
             true
             false
                                                         false value
                                                    numeric value
              (\lambda x. t)[s]
                                                        abstraction
```

Figure 1: Syntax of the simply typed lambda-calculus vith overloading.

Figure 2: Configuration reduction rules.