

### 3.2.4 Display settings

At any point, it is possible to change the active display setting via the head navigation bar options *Expand aliases* and *Shorthand form*, both ranging over binary values. If the alias expansion option is active, terms will be rendered as the name they carry. On mouseover, the term will be shown without the alias expansion, enabling a user to select potentially aliased reducible expressions. The suitability for the alias expansion is checked top-to-bottom: would there be a named term  $M$  containing another named term  $N$ , the name of the term  $M$  will be preferred.

The shorthand form option toggles between rendition of terms (and types, if any present) either as fully parenthesized or with unambiguously omitted parentheses, as described in section 2.1.2.

$3\ d\ s$	$((3\ d)\ s)$	$(\lambda f x.f\ (f\ (f\ x)))\ d\ s$	$((((\lambda f.(\lambda x.(f\ (f\ (f\ x))))))\ d)\ s)$
SHORTHAND FORM: YES EXPAND ALIASES: YES	SHORTHAND FORM: NO EXPAND ALIASES: YES	SHORTHAND FORM: YES EXPAND ALIASES: NO	SHORTHAND FORM: NO EXPAND ALIASES: NO

Figure 3: *A collage of application's term renditions under different settings.*

By default, aliases are expanded, and terms are shown in the shorthand form. Changing any of the two settings will cause an immediate redraw of the terms currently presented on the screen.

### 3.2.5 Help page

The *Help* page does serve as a readily available reference, accessible from the applications' head navigation bar at all times. Besides the general information about the application and its use, it also contains a number of illustrative  $\lambda$ -calculus expressions, possible to be evaluated using the application. To load the mentioned examples to the application, the user simply selects the term by clicking on it. Additionally, on the help page, one can find an enumeration of all available pre-defined aliases and constants.

### 3.2.6 Import and export

At times, one may wish to store an evaluation chain for later retrieval, print the derivation, or export it as a  $\LaTeX$  source. The printing and  $\LaTeX$  source generation functionality utilizes the active display settings, namely the alias expansion and shorthand form, thus making the exporting facility as flexible as the web application's term-displaying abilities themselves.

A quick and convenient way to share or save a term on the current line is to copy the URL from the web browser's address bar, as the application does encode the current term in the URL's optional *fragment identifier* part, initiated with a hash symbol (#), typically used to point to a particular portion of a document.

The import and export options dialog (fig. 4) is accessible via the *Options* menu from the head navigation bar.