Tempo Language Processor (Updated)
http://www.veromodo.com

We are releasing an updated distribution of the toolkit. This updated release addresses suggestions and feedback received from the students of 6.852; thank you.

The new changes

Front End: Type system updates: We introduced new operations to the Seq type constructor. These are documented in the updated Tempo Guide (see section 14.3.5). The new grammar changes are:

- \texttt{set}(s,n,e), returns \textit{s} with an updated \textit{n}th index to \textit{e}.
- \texttt{get}(s,n), returns \textit{n}th element of \textit{s}.
- \texttt{inject}(s,n,e), returns \textit{s} with \textit{e} injected at \textit{n}th location.
- \texttt{eject}(s,n), returns \textit{s} with \textit{n}th element ejected.

All plugins have been updated to either support or filter the new operators. For backwards compatibility the old array-like dereference operator is still available.

Latex translator: Fixed: translation of quantified expressions and union and intersection symbols.

Simulator: Fixed few bugs where some of the notable ones are: invariant testing, updating array variables, choose statement processing, etc.

Java generator: Fixed data type implementations, extended support for choose statements, parameter casts to fire statements, etc.

Upgrade instructions

1. Upload the new distribution bundles from \texttt{http://www.veromodo.com}.
2. Backup your Tempo workspace.
3. Unzip the distribution bundle and let it overwrite the existing Tempo folder.
4. (Mac and Linux users.) Set the execution bit.
5. Run Tempo.
6. (If needed.) Reimport your workspace and projects.

Support

Your continuing feedback is greatly appreciated. Remember that you can submit bug reports via the \texttt{http://www.veromodo.com} site, or contact Peter Musial directly: office G628, voice 8-9654, or \texttt{pmmusial@csail.mit.edu}.