Release notes

0.5.0-X

Breaking Changes

• Pre 0.5 kindled runtime (.bizz) files can’t be loaded
• MRKCSBFStore elemental class is impacted by hashing changes to numbers

Changes

• support for modules (shared library) that can be loaded at runtime (SDK to come in a future release)
• console:
  – previous query is no longer cancelled when a new one is issued
  – query specified via the command line gets executed once all the files specified in the command line have been loaded
• new elemental properties:
  – chatty (see section 2.5 on page 7)
  – noisy (see section 2.5 on page 7)
  – clone (see section 2.5 on page 7)
• any elemental property can be read using the constant syntax
• new property for elemental of class MRKCBSSolver:
  – memoize (see. fibonacci sample)
• new property for elemental of class MRKCLettered:
  – recall.frq, recall.ttl, recall.add, recall.mul, recall.thd (see section 6 on page 86)
• primitives gt, gte, lt and lte now also works with strings and symbols

Additions

• solution files (see section 4.3 on page 19)
• new console command: /use (see section 4.4 on page 32)
• new syntax:
  – ~ prefix for predicate (see section 2.3 on page 4)
  – self predicate (see section 2.3 on page 4)
• new terms:
  – regexp (see section 3.1.6 on page 10)
• new primitives:
  – frm.erase (see section 5.4 on page 46)
  – lst.mix (see section 5.6 on page 54)
  – lst.sort (see section 5.6 on page 55)
  – lst.sub (see section 5.6 on page 56)
- `rex.make` (see section 5.12 on page 66)
- `rex.match` (see section 5.12 on page 66)
- `rng.rand` (see section 5.11 on page 66)

- **new constraints:**
  - `eq`
  - `is.regexp`
  - `is.bound`

- **new volatiles:** `sym.3`, `sym.4` and `sym.10` (see section 3.8 on page 15)

**Bug Fixes**

- `lst.item`, `lst.head`, `lst.tail` would not unify their last term with a list.
- `MRKCTicker` wouldn’t accept a property as a constant.
- `peek(guid,:x)` was unifying :x with a string instead of a guid.
- `frm.fetch(a = [1,2],a,[,,:v])` wasn’t returning 2.
- Re-saving an elemental into a fizz file was failing.
- Terms in a range couldn’t be a constant.
- The hashcode of real number was the same regardless of the sign.
- `lst.tail` was not unifying its second term with [] when the first term was an empty list.