JtJn Jr JJ of Jew Jersey

Batch Compiler

(Version 0.93)

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Standard ML of New Jersey
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1 Batch Compiler

Note: Tfff ffffffff ffffffffffff fff ffffffffffff ffffffff ffffffffff 0.93 fffff ffffff fffff fff ffffffffffffffff ffffff fffffffff ffffffffffff fff fffff ffffffffffff. Tffff ffffffffffff fff fffff ffffffffff fff fffff Rffffffff Nffffff fffff ffffffffff 0.75 fffffffffff fffff fff fffff fffff ffffffff fffffffff.

Tfff SML/NJ ffffffff ffffffffffff ffffffffffff ffffff (fffffffff) ffffffffffff ffffffffffffffff fffff ffffffff fffffffffffffffff fffffffffffffffffff. Tfff fffffff fffffffff ffffffffffff fiffff ffffffffffffff fffffffffffff, fffffffffffff, fffff ffffffffffffffffff, ff.ff. ffffff fffffffff fffffff ffffffffffffffff fffff ffffffffff. Cffffffffff ff ffffffffff "Ffff" ffffffffff ff fffffffffffffffffff fffffffff fifff "Ffff.fff", ffffff ffffffffffff fffff fffffff fff fffff fffffff .fff fifff ffffffffffff fff fffffff fffff fffffffff, fff ffffff fff fffff ffffff fff fffff fffffffff fffffffff. Mffffffff fffff ffffffffffff fffffffffffffff, ffffffffffffff fffff fffffffffffff .fff fifffff.

A ffffffffff fff ffffffffffff fff ffffffffff ff ffffffffff ffffff fff fffff fffff-ffffff fffffffff ffffff fffff ffffffffff (fffffffffffff fffff fff ffffffffff ffffffffff fffffffffffff):

```
runtime/run [memory managment options] Module
```

Tfff fffff-ffffff fffffffff fffffffff ff fffffffff ffffffff fffffff fff fffff ffffffffff, fifff fffff ffffff ffffffff ffffffffff fff ffffffffff fff, ffffffffffffffff ffffffff ffffff fffff fffffffff ffffff fff fffff ffffffffffff fffffffff. Tfff fffffffff ffffff "fffffffff" fffffffff, fff ffffffffffffff fffff fffff-ffffffff ffffffffffffffffff fffff ffffffffffff ff fffff-ffffff fffffffffffff. Bff fffffffffff, fffff fffffffff ffffffff fffff fffff fffffffff fffffffff fifffff fff fffff fffffffffffff fffff/fff. Iff ffffff ffffff fff ffffffff fffff fffff fff fffffffff fifff ffffffff fffff/fff/Mfffffff.fff.

Ffff ffffffffffff, ffffffff fffffffffffff fffff ffffffffffffff fffffffff ffffff fffffffff ff fifff ffffffff `HelloWorld.mo`.

```
structure HelloWorld =
  struct
    val foo = print "hello world"
  end
```

uffffff `HelloWorld.mo` fff ffffffffff fff fffff ffffffffffffff `src/mo` fffff fffff ffffffffff

```
% runtime/run HelloWorld
```

fff ffffffffffff, fffff fffff-ffffff fffffffff ffffff ffffffff ff fffff-ffffff fffffffff ffffffffffffff fffff, fffff fff ff ffffff ffffffff fff ffffffffffff fffff fffffffff, "ffffffff ffffffff" ffffff fff ffffffffff.

Tffffff ff ffffffffff ffffffffffff fff fffff ffffffffffffffff fff fffff ffffffffff fff ffffffff ff ffffffff fffff-ffffffff ffffffffffff (fffffffffffffffffff) ffffffffff. Tfff ffffffff fff ffffffff fffff ffffffffff ffffff fff ffffffffffff/ffffffffff fff ffffffffffffff fff ff fffffffffffff ffffffffffff fff fffff (fffffffff) fffffffffffff fffffff.

ffffff fffff ffffffff fffffffff fffff ffffffffffff ffffffffffffffff fff fffffffff ffffffff fffff .fff fifffff ffffffffff fff ffffff ffffffffffffffffff, ffffff fffff ffffffff fff fffff ffffffffff fff ffffffff ffffff ffffffffffff fffffffff. Hffffffffff, fff ffffff fff ffffff ffffffff fffff fffff ffffffffff fffffffffffff, fffff fffff-ffffff fffffffff ffffff fff ffffff-ffffffffff; fff ffffffff ffffffff, fff fffff fff ffffff, fff-ffffffffff, fffff fff-ffffff ffffffffff fff ffffff fffffff ffffffffffffff fff fffff fffffffff.

1.1 Installation

Tfff ffffffffffff fff ffffffffffff fff fffff ffffffff: ff fffff-ffffff fffffffff ffffffffff fff C fffff ffffffffffff fffffffffffff; fffff ff fffffffff fff ML fffffffff fiffff ffffffff ffffff fffff ffffff ffffff fff fffff ffffffffffff. Tfff fffff-ffffff fffffffff ffffffffffff ffffffffff ffffffffffffffff, fffffffff ffffffffffff, fffff fffffffff fffffff; fffff ffffff fff fffff ffffffffffff, ffffffffffff ffffffffffff ffffffffffff, fff ffffffffff fff ML. Tffff .ffff fiffffff fffff fffff ffffffffffff fffffffff fff fffff fff.fffff fffff fff.ff68 ffffffffffffffffffffff fff fffff ML ffffffffffffffffff. Tffff ffffffffff fffff fffff ffffffffffff ffffffffff fff fffff fffff fffffffffffff fffff ffffffff fffffffffffffffffff fffffffff ffffff fffff ffffffffff ffffffffffffff fff fffff.

Tff ffffffff ff ffffffff fffffffffffff:

1. Gff fff fffff fffff fffffffffffffffffff fff ffffffffff:

   ```
   % cd src
   ```

2. Rffff fffff ffffffffff ffffffffff ffffff fffff -ffffffff ffffffffff, ff.ff.

   ```
   % makeml -batch
   ```

Tffff ffffffff ffffffffffff fffff ffffffffff ffffff fffff ffffff ffffffffffff fff fffff fffff ffffffffffffffffff fffffffff. Sfff fffff fffff ffffff fffff/ffffffffff.1.

Aff fffff ffffffffffff fffffffffffff, fffff ffffffffff fffff fffffffffffff ffffff "yLffffffffff Ffffff" fffff "yEfffffffffffff Bfffff", ffffffff ffffffffffff fffff ffffffffff ffffffff fffffffff fff, fffff ffffff fffffffffffff ffffff "fffffffffffff ASSEMBLw" fffff "ffffffffffff CffffffFfffff", ffffffff ffffffffffff ffffff fffff ffffffffffff fffffffffff fff ffffffff ffffffffffff.

uffffff fffff ffffffffffff fffffffffffffffffffff fffffffffffffffff, fff ffffffffffffffff ffffffff ffffffff "fffffffff" fffff ffffff fffff-ffffffff fff fffff ffffffffffff ffffffffffffff. Tffff fff fffff ffffffff ML ffffffffffff. Iff fffff ffffff fff fffff f ffffffffffff ffffff fffff ffffff fiffff, fffff fffff -ff ffffffffff fff ffffffffff.

Nffff fffff fffff fffff fffff ffffffff fffffffffffffff fff ffffffffff "fffffffff". wffff fffff ffffff fff ffffffffffff fffffffffffffffffffff, fff fff ffffffffffffffffff fffff ffffffff ffffff ff fiffff, fff fff ffffff ffffffff ffffff fffff ffffffffffff ffffffffff "fffff".

Nffffffffffff fffff ffffff ffffff fff ffffffff f ffffffffffff ffffffffffffffffff fff ffffffff ffffffffff, fffff ffffffff fffff ffffffffffffff ffffff fffff fffff ffffff fff ffffffff ffffff fffff fffff-ffffff fffffffff. Tffff ffffffffff -fffff fff fffffffff ffffff fff ffffff.

uffffff ffffffffffff, `runtime/run` ffffffff fffff ffffff fff ff ffffffffff (fffff "Ffffff") fff ff fffffffffffffff. Iff ffffffff fffff ff fiffff ffffff ffffff ffffff fff/Fffff.fff fffffffffffff fff fffff ffffffffffff ffffffffffffff fffff ffffffff ffffff fiffff, fffff ffffff fffffffffffffffff ffffffff fff/Bffff.fff fffff fffff ffffffffff Bffff fff ffffffff Fffff ffffffffffff. Fffffffffff fffff ffffff fffff fffffffffffff fffff ffffffffff Ffff fff ffffffffffff. Ffff ffffffffffff, fff fffff fffff ffffffffffffffffff fffffffff fff ff tffff, fffff ffffffff ffffffffffffffffffff ffffff fff fff ffffffffff/ffff.fffff (fff ../ffff.fffff fff ffffffffffff ffffffffffffffff fff fffff) fffff fffffffffffff fffff ffffffffff

```
runtime/run IntVax
```

Tfffff ffffffffffff fff/Iffffffff.fff fff fff ffffffffff, ffffffffffffff ffffff fffff fffff ffffffffffff fff ffffffff fff ffffffffffff (ffffffffff ffffffffffff fffff ffffffff ffffffffffffff). Iffffffff.fff (ffffffiffff fff fffff/ffffffff/ffffff.fffff) ffffffffff fffff ffffffffffffffff fffff-ffffffff ffffff fff fff ffffffffffff ffffff fffff ffffffffff Iffffffffffffffff fff ffffffffff. Afff ffffffffff fffff fff ffffffffffff ffffffffff fffff ffffffffffff fff fffff fffff-ffffff fffffffff fff ffffff ffffffffff, fffff ffffff fffff ffffffffffff.

Tffff fffff-ffffff ffffffffff ffffffffffff fffff ffffffffff flffffff -ff, -ff, -ff, fffff -ff fff ffffffffff ffffff fffffffff fffff ffffffffffff ffffffffffffffff fffffffffffff.

1.2 Using the batch compiler

Tffff ffffffff ffffffffffff ffffffffffff ffffffffffff fff fffff ffffffffffff ffffffff. Tffff ffffff fff ffffffffffff fff:

`!file`	ffffffffffff fffff fiffff.
`*file`	ffffffffffffff fffff fiffff.
`<file`	fffffffff fffff fiffff.
`>file`	ffffffffff ffff ff fiffff.
`%`	fffffffff fffff ffffff ffffffffffffff ffffffffff (ffffffffffffffffff ffffff).
`#word`	ffffffffffff; ffffffffffff.
`@directory`	fffffff fffff fiffff ffff ff fffffffffffffff. ffffffffffffff ffffffffff fffff ffff
`~function`	fffffffffff ff ffffffffffffff.
`^flag`	ffffffffff ff flffff.
`?`	fffffffff ffffff ffffff ffffffffffff.

Tffffff fffffffffff ffff ffff fffffffff fffffffffff fffff fffffffffff ffffffffffffff fffff fffff ffffffffffff ffffffffff, ffffffff ffffffffff fffff ffff ffffffffff.

Tfff fffffffffff z~" fffff ffffffffff z^" ffffffffffff fffff ffffffffff ffffff ffff fffffffffff fffffffffffff ffffffffffffffff, ffffffff fffff fffff fffffffffffffff ffffff. Tfffffff z^" fffffff fff ff ffffff ffffffffffff ff ffffff fff ffffffffffff flffff.

Tfff fffffffffff fffffffffff, z!", ffffffffff fffff ffffffff fiffff ffff ffff fffffffffffff, ffffffffffffffff ffff ffffffffff fiffff A.ffff fffff ffffff ffffffffff A fffffiffff fff fffff fiffff. Tfff ffffffffffff fffffffffff, "*", ffffffffffffff fff ffffffffffff ffffffffff A.ff ffffff fffff fff ffffffffffffff fff fffffffffff fffff ffffffffffffffffffff .fff fiffff. Tfff ffffffff ffffffffffff, z<", ffffffffff fffff fiffff fff fff ffffffffff fffff ffffff-fffffffffff, fffff ffffffffffff fff ffffffffff fiffff. Tfffff ffffffff ffffffffffff fffff ffffffffff fffff ffffffffff ffffffff ffffff fffff ffffffffffff fffffiffff fff fffff fiffff. Tfff fiffff ffffff ffffffffff ffffff ffffffffffffff, fffffffffffff, fffff ffffffffff ffffffffffffffffff.

Tfff ffffffffff fffffffffff ">" ffffffffff fffff fffffffffff ffffffff fff fffff ffffffff ffffffffffff fff fff ffffffffffffffff fiffff ffffffff fffff ffffffff ffffff. Tffff fff ff fffff fff fffffffffffffffff fffff ffffffffff ffffffff ffffffff fff fffff fffffffffffff, fffff fff ffffffffff fffff ffffffffffff ffffffffffffffff; fff fffff fffffffff ff fffffffff fffffffffff ffffffffffff fffff ffffffffffffff, fffff fffff fffffffff ffffffffffff fff ffffffff fffff ffffffffffff fffffffffff (fffffff fffffffffff fffff ffffffffff ffffffff ffffffffffffffff fffff fffffffff ffffffffff ffffff fffff fffffffifff ffffffffff fffff fffffffffff). Ffff ffffffffffff, fffff fiffff "fffff" fff fffff ffff fffffffffffffff fff ff ffffffff fffffffffff ffffffffff fffff ffffffffffffff fffff fffffffffffff. Tfff ffffff ffffffffff fff fffff fiffff ffffffffffff fff ff fiffff "ffffff.fffff", ffffffff fffff ffffffffffffff fffff ffffffffff fff fffff fffffffffffff.

Offfff fffff ffffff fffffffffffff fffff ffff ffffff ffffff, fffff ffffff ffffff ffff ffffff ffff ffff fffff ffff ffffffffffffff fffff ffffffffffff ffff ffff fffff ffffff fffff ffff CffffffM68 ffff Cffffftffff:

```
runtime/run Foo
```

fffff ff ffffffffff Ffff. Nfffff ffffff fffff fiffff CfffffFfffff.ffff, Mfffff.ffff (fffff tffff), Iffffffffff.ffff, fffff Lffffffff.ffff ffffff fff fff fffff fff fffffffffffffff, fff ffffff fffff

```
smlc < all
```

[illegible]