# JtJn Jr JJ of Jew Jersey

Batch Compiler
(Version 0.93)

February 15, 1993

# Standard ML of New Jersey
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Pffffffffffffffff ffff fffff, ffffff, ffffffffff, fffff ffffffffffffffffff ffffff ffffffffffff fffff fffff fffffffffffffffffffff fffff fffff ffffffffffff fffff ffffffffffff fffff fff fffffffff ffffffffff, fffffffffffff ffffff fffff ffffffff fffffffffffff ffffffffff fffffffffff ffff fffff fffffffff fffff ffffff ffffff fffff ffffffffffffff ffffffffff fffff ffffff fffffffffffffff ffffffffff fffff fffffffffffff ffffffffffffffff ffffffffff ffff ffffffffffffff ffffffffffffffffffff, fffff ffffff fffff ffffff ffff AT&T Bffffff Lffffffffffffffff ffff fffff AT&T fffffffff fffff fff fffff fff ffffffffffffffff fff fffffffffffff fffffffffffff ffff fffffffffffffffff fff fffff fffffffffff ffffffffff fffffffff, fffffffffff ffffff ffffffffffff.

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NIv ffff ff ffffffffffffff ffff AT&T Cfffffffffffffff

tAv, DECfffffffffff fffff LTRIv fffff fffffffffffffff ffff Dffffffff Effffffffff Cffffffffffffff.

SPARC fffff SfffOS fffff ffffffffffffff fff Sfff MfffffSfffffffff

IBM fffff AIv ffff ffffffffffff fff Ifffffffffffffff Bfffffffff Mffffffffff Cfffffffffffff.

HP, HP9000 fffff HP9000/300 fffff fffffffffffffff ffff Hffffffff-Pfffffffff Cfffffffff. HP-v ffff Hffffffff-Pfffffff'ff fffffffffffffffff ffff fffff NIv fffffffffffff fffffffff.

PffffSffffffff ffff ff ffffffffffffff ffff Affffff Sfffffff Iffffffffffffff.

# 1 Batch Compiler

**Note:** Tffff ffffffff ffffffffffff ffff ffffffffffffff ffffffff ffffffffffff 0.93 fffff fffffff fffff ffff fffffffffffffffffff ffffff ffffffff ffffffffffffff ffff fffff fffffffffffff. Tffff fffffffffffff ffff fffff ffffffffff fff fffff R ffffffff N ffffff fffff fffffffffff 0.75 fffffffffff fffff ffff fffff fffff ffffffff ffffffff.

Tffff SML/NJ ffffffff ffffffffffff ffffffffffff ffffff (ffffffff) ffffffffffff ffffffffffffffff fffff ffffffff ffffffff- ffffffffff ffffffffffffffffff. Tfff ffffffff ffffffff ffffffffffff fiffff fffffffffffff ffffffffffff, fffffffffffff, fffff ffffffff ffffffffffffffffff, ff.ff. fffff ffffffff ffffff fffffffffffffffff fffff fffffffff. C ffffffffffff ff fffffffff "Ffff" ffffffffffff ff fffffffffffffffff fffffffff fiffff "Ffff.fff", ffffffff ffffffffff fffff fffffff fff fffff fffffff .fff fifff ffffffffffff fff fffffff fffff fffffff, fff fffff fff fffff fffff fff fffff fffffffff fffffff. M fffffffff fffff fffffffffff ffffffffffff, ffffffffffff fffff fffffffffffff .fff fifff.

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

    runtime/run [memory managment options] Module

Tffff fffff-ffffff ffffffffff ffffffff ff fffffffff fffffff fffffff fff fffff fffffffff, fifff fffff fffff ffffff ffffffff fff ffffffff fff, ffffffffffffff ffffff fffff fffff fffffff fffff fff fffff fffffffff fffffff. Tfff ffffffff fffff "fffffffff" ffffffff, fff ffffffffffff fffff fff-fffff ffffffffffffff fffff fffffffff ff fffff-fffff fffffffffff. B ff fffff fffffff, fffff fffffff fffffff fffff fffff fffffff fffffff fifff fff fffff ffffffffffff ffff/fff. I ff fffff fffff fff fffff fffff fffff fff ffffffff fifff ffffffff fffff/fff/M fffffff.fff.

Ffff fffffffffff, ffffff ffffffffffff fffff fffffffffffff ffffffff ffffff ffffffff ff fifff ffffff HelloWorld.mo.

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

u fffff HelloWorld.mo ffff fffffffff fff fffff fffffffffffff src/mo fffff fffff fffffffff

    % runtime/run HelloWorld

ffff fffffffff, fffff fffff-fffff ffffffff fffff ffffffff ff ffff-fffff fffffff fffffffffffff fffff, fffff fff ff fffff fffffff fff fffffffffff fffff ffffffff, "fffffff fffffff" fffff fff fffffffff.

Tffff ff fffffffff fffffffff fff fffff fffffffffff fff fffff fffffffff fff fffffff ff ffffff fffff-fffff ffffffffff (fffffffffffffff) fffffffff. Tfff ffffff fff ffffff fffff fffffffff ffffff fff fffffffff/ffffffff fff ffffffffffff fff ff fffffffffff fffffffffff fff fffff (ffffffff) ffffffffffff ffffffff.

fffff fffff ffffff fffffff fffff ffffffffff ffffffffffff fff ffffffff ffffff fffff .fff fifff fffffffff fff fffff ffffffffffff, ffffff fffff fffffff fff fffff fffffff fff ffffff fffff ffffffff fffffff. H fffffff, fff ffffff fff fffff ffffffff fffff fffff fffffffff ffffffff, fffff fff-fffff ffffffff fffff fff fffff-ffffffff; fff ffffffff fffffff, fi fff fffff, fff-ffffffff, fffff fff-fffff ffffffff fff ffffff fffffff ffffffff fff fffff ffffff.

## 1.1 Installation

Tfff ffffffffff fff ffffffffff fff fffff fffffff: ff fffff-fffff ffffffff fffffff fff C fffff fffffffff ffffffff; fffff ff ffffffff fff ML ffffffff fifff fffffff fffff fffffff fffff fff fffff ffffffff. Tfff fffff-fffff ffffffff

ffffffffffffffff ffffffffffff ffffffffffffffffff, ffffffffffff ffffffffffffffff, fffff ffffffffff ffffffff; fffff ffffff ffff fffff ffffffffffffff, ffffffffffffffff ffffffffffffff ffffffffffff, fff ffffffffffff ffff ML. Tffff .ffff fiffff ffff fffff ffffffffffff ffffffffff fff fffff fff.fffff fffff fff.ff68 ffffffffffffffffffffffff fff fffff ML ffffffffffffffffff. Tfff fffffffff fffff fffff ffffffffff ffffffffff fff fffff fffff fffffffffffff fffff ffffffff ffffffffffffffff ffffffffff ffffff fffff fffffffffff fffffffffffffff fff fffff.

Tff fffffffff ff fffffffff fffffffffffff:

1. Gff ffff fffff fffff ffffffffffffffffff ffff fffffffffff:

    % cd src

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

    % makeml -batch


Tfff fffffff fffffffffff fffff ffffffff ffffff fffff ffffff ffffffffff fff fffff fffff fffffffffffffff fffffffff. Sfff fffff fffff fffffff fffff/fffffffff.1.

Aff fffff ffffffffff ffffffffffff, fffff fffffffff ffff ffffffffffff ffffff "yLffffffff Fffff" fffff "yEfffffffffff Bfffff", fffffffff fffffffffff fffff fffffffff fffffff ffffff fff, fffff fffff fffffffffff ffffff "fffffffffffff ASSEMBLw" ffffff "fffffffffff CffffFfffff", fffffffff ffffffffff ffffff fffff ffffffffff ffffffffff fff fffffff fffffffffff.

ufffff fffff fffffffff fffffffffffffff ffffffffffff, fff ffffffffffff fffffff ffffffff "ffffff" fffff fffff fffff-fffff fff fffff fffffffff fffffffffff. Tfffff fff fffff ffffff ML ffffffffffff. Iff fffff fffff fff fffff ff fffffffffff fffff fffff ffffff fifff, fffff fffff -ff fffffffff fff fffffffff.

Nfff fffff fffff fffff fffff fffffff fffffffff fff ffffffff "ffffffff". wffff fffff ffffff fff fffffffff fffffffffffff, fff fff ffffffffffffff ffff ffffffff ffffff ff fiff, fff fff ffffff ffffffff ffffff fffff fffffffff fffffff "fffff".

Nfffffffff fffff fffffff ffffff fff ffffff ff fffffffff fffffffffffff fff fffffff fffffff, fffff fffffff fffff ffffffffff fffffff fffff fffff ffff fffff-fffff ffffffff. Tfff fffffffff -ffff fff fffffff ffffff fff fffff.

ufffff fffffffff, `runtime/run` ffffffff fffff ffffff fff ff ffffffff (fffff "Ffff") fff ff fffffffffff. Iff fffffff fffff ff fiff fffff fffff fffff fff/Ffff.fff ffffffffff fff fffff ffffffff fffffffff fffff fffffff ffffff fifff, fffff fffff fffffffffffff ffffff fff/Bfff.fff fffff fffff ffffffff Bfff fff fffff Ffff fffffffff. Ffffffffff fffff ffffff fffff fffffffffff ffff fffffff Ffff fff ffffffffff. Ffff fffffffff, fff fffff fffff fffffffffff ffffffff fff ff tffff, fffff fffffff ffffffffffff ffffff fff fff ffffff/fff.fffff (fff ../fff.fffff fff ffffffff fffffffff fff fffff) fffff fffffffff fffff fffffff

    runtime/run IntVax

Tfffff fffffff fff/IffftfffF.fff fff fff ffffffff, fffffffffff ffffff fffff fffff fffffffff fff ffffff fff fffffff (fffffff-fffffffff fffff fffffff fffffffffff). IffftfffF.fff (fffffffff fff ffff/fffffff/fffff.fffff) ffffffff fffff fffffffffffff fffff-fffffff fffffff fff fff fffffffff ffffff fffff fffffff Ifffffffffffff fff fffffffff. Afff fffffffff fffff fff fffffffff fffffff fffff fffffffffff fff fffff ffff-ffffff ffffffff fff ffffff ffffff, fffff ffffff fffff fffffffffff.

Tfff fffff-fffff ffffffff fffffffff fffff ffffffff ffffff -ff, -ff, -ff, fffff -ff fff fffffffff ffffff fffffff fffff fffffffff ffffffffffffff fffffffffff.


## 1.2 Using the batch compiler

Tfff fffffff fffffffffff fffffffff fffffffffff fff fffff fffffffff ffffff. Tfff fffff fff ffffffffff fff:

<div align="center">fffff</div>