proposed move to System F

At the Manticore meeting on 11/7/07, we discussed moving BOM in the direction of System F.

The following summarize the proposed changes to the <code>BOM</code> module:

New syntactic forms:

- let x : tau = y [tauVec]
- apply f [tauVec] (... / ...)
- let x : tau = CONS [tauVec] (...)
- let x : tau = CONST [tauVec]
- throw k [tau] (...)

New types:

- alpha (* type variables *)
- forall alphaVec . tau
- T [tauVec]
- tau + tau

Here are the changes to the datatypes in the <code>BOM</code> module:

datatype term

= ...

[Code snippet]

and rhs

= ...

[Code snippet]

We'll also need to add the <code>ty_var</code> type and make changes to the representation of <code>tyc</code>s.