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**

```plaintext
= ...
```

```plaintext
E_Apply of (var * ty list * var list * var list)
E_Throw of (var * ty list * var list)
E_HLOp of (hlop * ty list * var list * var list)
```

**and rhs**

```plaintext
= ...
```

```plaintext
E_TyApply of (var * ty list)
E_DCon of (data_con * ty list * ty list)
```

**and lambda**

```plaintext
FB of
```

**and pat**

```plaintext
= P_DCon of (data_con * ty list * var list)
```

```plaintext
P_DConst of (data_con * ty list)
```

**and the changes to the BOMTy module:**

**datatype ty**

```plaintext
= T_Var of ty_var
```

```plaintext
T_Forall of (ty_var list * ty)
T_TyCon of (tyc * ty list)
```

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