Instructor's Addendum

One of the challenges confronting instructors of N2T is the ubiquity of solutions on the Internet. One advantage of using LogicCircuit to create solutions is that there are likely to be far fewer extant solutions. In addition, it is possible to enable a feature of the translation code that inserts an encrypted timestamp into every HDL file created. To do so, you will have to work with the source distribution, and proceed as follows:

1. Change `HDLwriteCheckSum` to "true" at line 64 in HDLWriter.cs.

```
// Set HDLwriteCheckSum to false to not write encrypted identifying information
// into the HDL output file. (used to discourage copying other's work)
private const bool HDLwriteCheckSum = false;
```

2. In method HDLConvertDS at line 1926 of HDLConvert.cs, follow the directions to create your public and private RSA keys by uncommenting the code indicated.
   Re-comment the key generating code, and replace my public key with your newly created public key at line 1947:

```
HDLpublicKey =
"<RSAKeyValue><Modulus>wyTWOojwfzQZtRDdGhB9XhXY2Xvedn5HIi+oUQlreI9T+QoYAFwktTByXZ7
QTfvCbGNu4yamG1pD+5CXq6XH/P1QqsrztftwQtl1Kid6GkKBhszu7ZPXaSmKY0vHZBimmKwqzkpycWHsz
87xEMf7ygaCJgqga02mwOWsh5/nzSE=</Modulus><Exponent>AQAB</Exponent></RSAKeyValue>";
```

   All HDL files will now contain a comment containing a time/date stamp, the userid of the HDL file creator, the name of her/his computer, and the project name.

3. Save your secret key and keep it secret.

4. If you wish to decrypt a header, use the commented out code at the end of HDLConvert.cs, make a new separate C# console application, and paste in your secret key at the point indicated.