Nemesis TextParsers

This library aims at providing means to format to (serialize) and parse from (deserialize) various common types and complex types to flat human-readable / human-editable texts. Conciseness and performance is the name of the game here and with such features in mind this library was designed.

Serialization format

1. Default value can always be enforced using ’∅’ character
2. Escaping sequences are supported – each parser/formatter might use different set of escaping sequences and it escapes/unescapes only characters of its interest. As a rule of thumb, special characters are escaped with backslash (‘\’) and backslash itself is escaped with double backslash
3. Simple types
   1. String – no special border characters (i.e ‘ or “) are needed. Empty string is serialized to empty string. No inner escaping sequences are supported – but every UTF-16 character is recognized
   2. bool – case insensitive *True* or *False* literals
   3. char - single UTF-16 character
   4. Numbers (byte, sbyte, short, ushort, int, uint, long, ulong, float, double, decimal) are formatted in default format for InvariantCulture
   5. Several build-in types are formatted using InvariantCulture and the following format
      1. TimeSpan – null
      2. DateTime/ DateTimeOffset - o
      3. Guid – D
      4. BigInteger – R
   6. Complex – semicolon separated and parenthesis bound two numbers (real and imaginary part) i.e. (1; 10)
4. KeyValuePair<,> - key and value formatted using appropriate inner formatter, and separated with = i.e. *1=One*
5. ValueTuples of any arity - colon separated and parenthesis elements formatted using appropriate inner formatter i.e. *(1,ABC,10000000000,)*