Bit Shift Functions

- CarlGundel

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This is really easy to do:

Shift Left

```
function shiftLeft(bitsValue)
    shiftLeft = bitsValue * 2
end function
```

Shift Right

```
function shiftRight(bitsValue)
    shiftRight = int(bitsValue / 2)
end function
```

Remove High Bit

If you want to remove the high bit when shifting left, just write a function for that, like so:

```
function shiftByteLeft(bitsValue)
    shiftByteLeft = 255 and (bitsValue * 2)
end function
```

Get the idea? :)

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Ring Shifts

- harmony

Sometimes you want to rotate bits (ie:taking the bit that falls off one end and sticking it on the other.) Here are routines to rotate the bits in an 8-bit number.

```
function rotleft(x)
    rotleft = ((x+x) mod 256) or (x>127)
end function

function rotright(x)
    rotright = (128*(x and 1)) or int(x/2)
end function
```