Use the Middle Bits Instead of the Low Bits

We can do better by using the bigger bits.

Say **x = 46 = 101110** (in binary).

313 x + 307 = 111001011110001

mod 256 gives the last 8 bits: 11100**101110001**

Instead, **let's drop the last two bits**.

So we use these: 1110**01011100**01

Call it **G(x) = floor [(313 x + 307) / 4] mod 256**