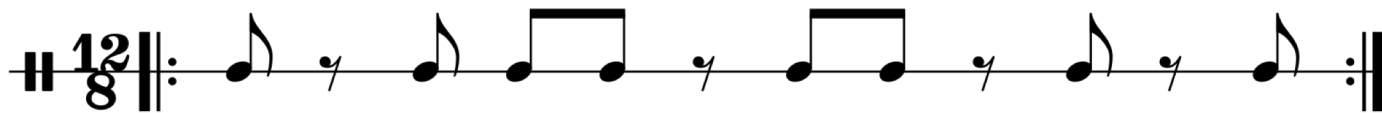
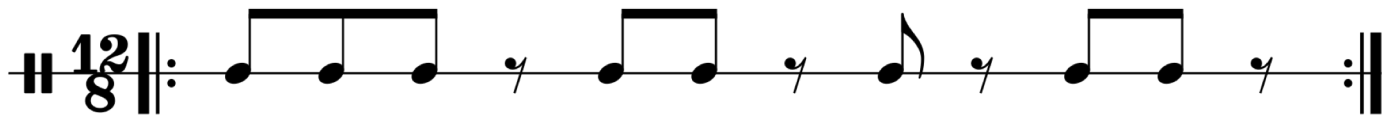


The image displays two staves of musical notation in 12/8 time. Both staves begin with a treble clef, a 12/8 time signature, and a repeat sign. The first staff contains a sequence of notes: a beamed eighth-note triplet (quarter note), a quarter note with a grace note, a beamed eighth-note triplet (quarter note), a quarter note with a grace note, an eighth note with a grace note, an eighth note with a grace note, a beamed eighth-note triplet (quarter note), and a quarter note with a grace note. The second staff contains: a quarter note with a grace note, a beamed eighth-note triplet (quarter note), an eighth note with a grace note, an eighth note with a grace note, an eighth note with a grace note, an eighth note with a grace note, an eighth note with a grace note, an eighth note with a grace note, a beamed eighth-note triplet (quarter note), and a quarter note with a grace note. Both staves end with a repeat sign.



111011010110

111011010110

011101101011

111011010110

011101101011

101110110101

110111011010

011011101101

101101110110

010110111011

101011011101

110101101110

011010110111

101101011011

10000000000

100000000000

010000000000

100000000000

010000000000

001000000000

000100000000

000010000000

000001000000

000000100000

000000010000

000000001000

000000000100

000000000010

011111111111

101010101010

101010101010

010101010101

101010101010

010101010101

101010101010

111110111110

111110111110

011111011111

111110111110

011111011111

101111101111

110111110111

111011111011

111101111101

**1111011110**

0111101111

1011110111

1101111011

1110111101

1111011110

000000000000

111111111111

$$\frac{2^p - 2}{p}$$

$$\frac{2^p - 2^1}{p}$$

$$\frac{2^4 - 2^1 - (2^2 - 2^1)}{4} = \frac{2^4 - 2^2}{4}$$

$$\frac{2^6 - 2^1 - (2^3 - 2^1) - (2^2 - 2^1)}{6}$$
$$= \frac{2^6 - 2^3 - 2^2 + 2^1}{6}$$

$\mu(n)$

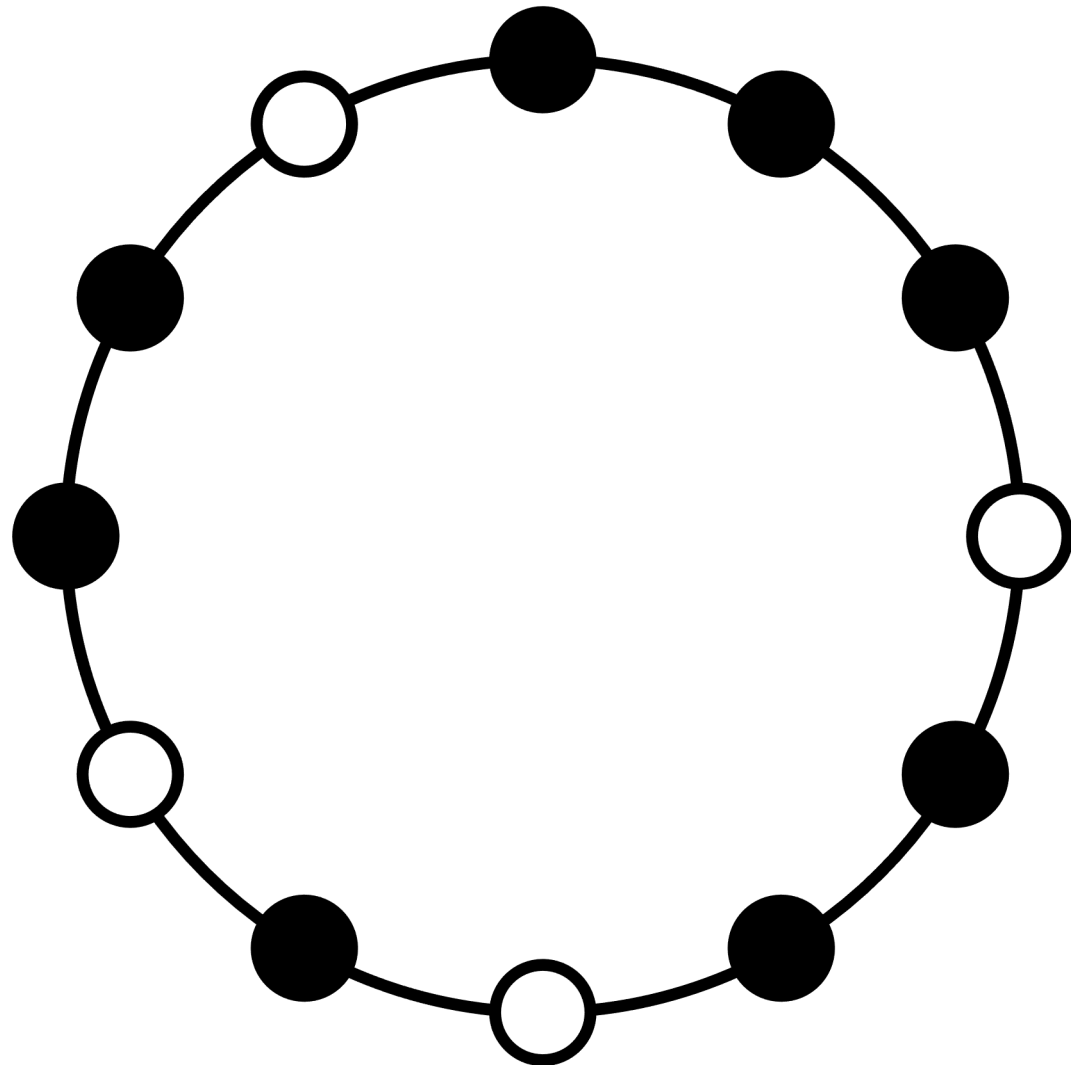
= 0 if any factor is a square

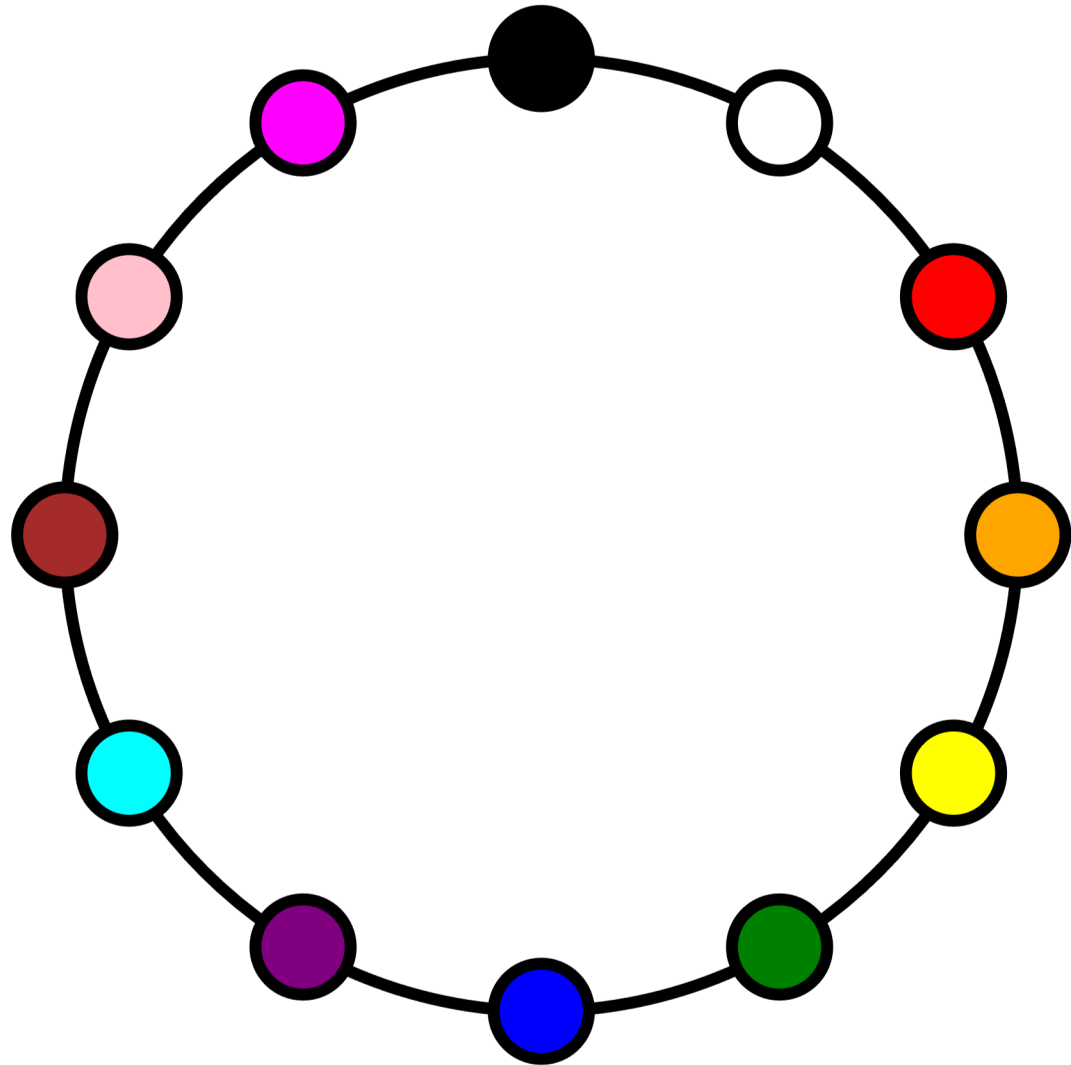
= +1 if n has an even number of prime factors

= -1 if n has an odd number of prime factors

$$\frac{1}{n} \sum_{d|n} \mu \left( \frac{n}{d} \right) 2^d$$

$$\frac{1}{12} \sum_{d|12} \mu\left(\frac{12}{d}\right) 2^d = 335$$





$$M(a, n) = \frac{1}{n} \sum_{d|n} \mu\left(\frac{n}{d}\right) a^d$$

111011010110

011101101011

101110110101

110111011010

011011101101

101101110110

010110111011

101011011101

110101101110

011010110111

101101011011

010110111011

011010110111

011011101101

011101101011

101011011101

101101011011

101101110110

101110110101

110101101110

110110101101

110111011010

**010110111011**

011010110111

011011101101

011101101011

101011011101

101101011011

101101110110

101110110101

110101101110

110110101101

110111011010

**010110111011**

011010110111

011011101101

011101101011

101011011101

101101011011

101101110110

101110110101

110101101110

110110101101

110111011010

111011010110

011101101011

101110110101

110111011010

011011101101

101101110110

010110111011

101011011101

110101101110

011010110111

101101011011

111011010110

011101101011

101110110101

110111011010

011011101101

101101110110

**010110111011**

101011011101

110101101110

011010110111

101101011011

**111011010110**

011101101011

101110110101

110111011010

011011101101

101101110110

**010110111011**

101011011101

110101101110

011010110111

101101011011