**Mersenne primes**

[Proof: Mersenne primes - YouTube](https://www.youtube.com/watch?v=d_lHOiFZeWE)

Ref:

Basic introduction to Mersenne primes.

[Mersenne prime - Wikipedia](https://en.wikipedia.org/wiki/Mersenne_prime)

Proof of Mersenne primes.

[Proof: Mersenne primes - YouTube](https://www.youtube.com/watch?v=d_lHOiFZeWE)