

$$2^2 - 1 = 3 \text{ prim}$$

$$2^3 - 1 = 7 \text{ prim}$$

$$2^5 - 1 = 31 \text{ prim}$$

$$2^7 - 1 = 127 \text{ prim}$$

$$2^{11} - 1 = 2047 = 23 \cdot 89$$

# The CrypTool Script

## Cryptography, Mathematics, and More

Prof. Bernhard Esslinger  
and the CrypTool Development Team

10th Edition

Background reading for CrypTool  
the free e-learning program  
(with number theory samples for Sage)