



$2^2 - 1 = 3$  prim

$2^3 - 1 = 7$  prim

$2^5 - 1 = 31$  prim

$2^7 - 1 = 127$  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 the free e-learning program CrypTool  
(with number theoretic code samples, using Sage)