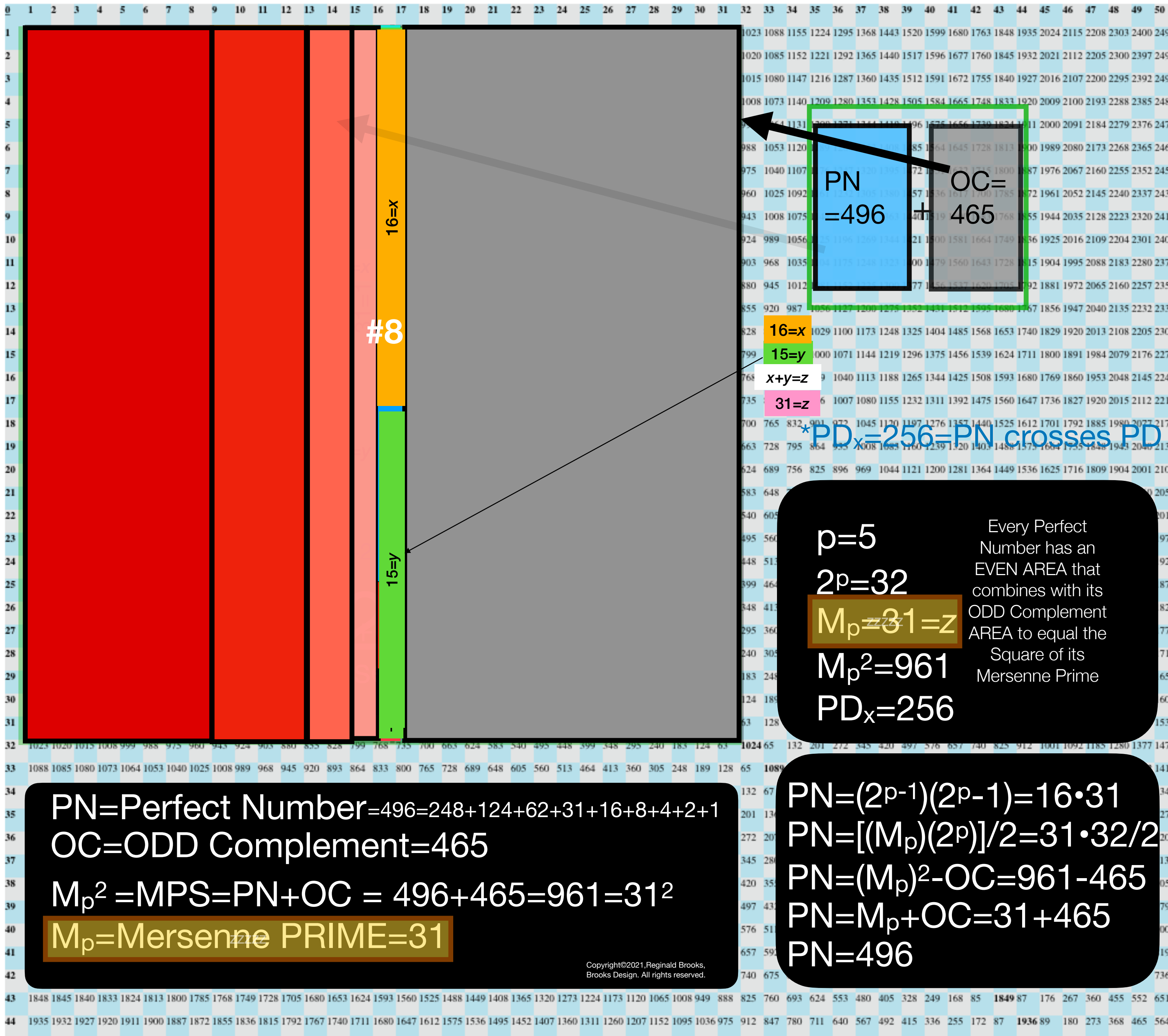


BBS-ISL Matrix: 50x50

All numbers are related — even the ones that are "not." ©2017, Reginald Brooks, Brooks Design. All rights reserved. Zoom-OUT to shrink. Searchable.



$p=5$
 $2^p=32$
 $M_p=31=z$
 $M_p^2=961$
 $PD_x=256$

Every Perfect Number has an EVEN AREA that combines with its ODD Complement AREA to equal the Square of its Mersenne Prime

PN=Perfect Number=496=248+124+62+31+16+8+4+2+1
OC=ODD Complement=465
 $M_p^2 = MPS = PN + OC = 496 + 465 = 961 = 31^2$
 M_p =Mersenne PRIME=31

$PN = (2^p - 1)(2^p - 1) = 16 \cdot 31$
 $PN = [(M_p)(2^p)] / 2 = 31 \cdot 32 / 2$
 $PN = (M_p)^2 - OC = 961 - 465$
 $PN = M_p + OC = 31 + 465$
PN=496

Copyright©2021, Reginald Brooks, Brooks Design. All rights reserved.

Every Perfect Number has an EVEN AREA that combines with its Odd Complement AREA to equal the Square of its Mersenne Prime