

FORMULAS FOR COMPUTING NDAU ECOSYSTEM VALUES

PHASE 1 ONLY – 0 TO 10,000,000 NDAU ISSUED

block	=	1,000 ndau (blocks are numbered beginning with 0)
b	=	Block number for a given $ndau = \text{int}\left(\frac{ndau}{1000}\right)$
Q	=	Number of doublings per block = $14 / 10,000 = 0.0014$
R	=	Phase 1 block ratio = $price(block\ n) / price(block\ n-1) = 2^Q$

Target Price for block b

$$R^b$$

Floor Price for block b

$$\frac{(R^b - 1)}{2b * (R - 1)}$$

Ratio of Target Price to Floor Price

$$\frac{2b \cdot R^b \cdot (R - 1)}{R^b - 1}$$

Current block if Target Price is p

$$\log_R p$$

Endowment proceeds after block b

$$\frac{\$1,000 * (R^b - 1)}{R - 1}$$

Market cap after block b

$$\$1,000 \cdot b \cdot R^b$$

Cost of c blocks starting at block b

$$\frac{\$1,000 * (R^{b+c} - R^b)}{R - 1}$$

Number of whole blocks starting at block b that can be purchased for price p

$$\frac{\ln(p(R - 1) + R^b)}{\ln(R)} - b$$