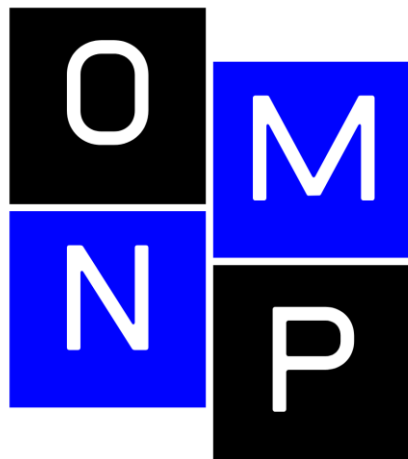
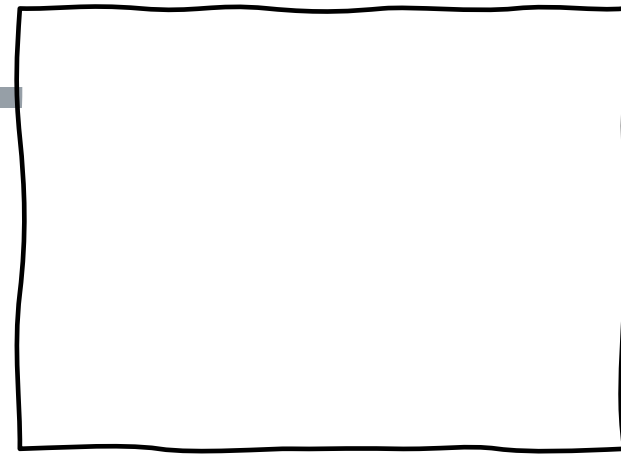
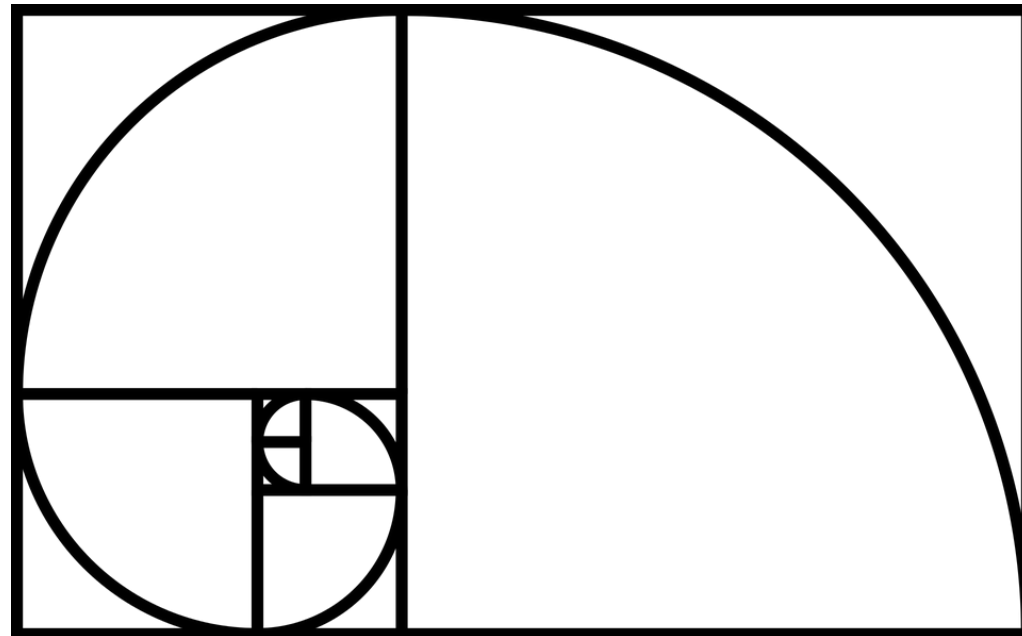

A SEQUÊNCIA DE FIBONACCI



OUTSPOKEN MARKET
NA PRÁTICA



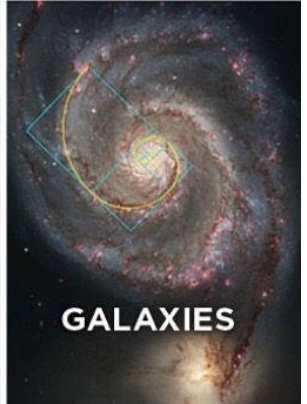
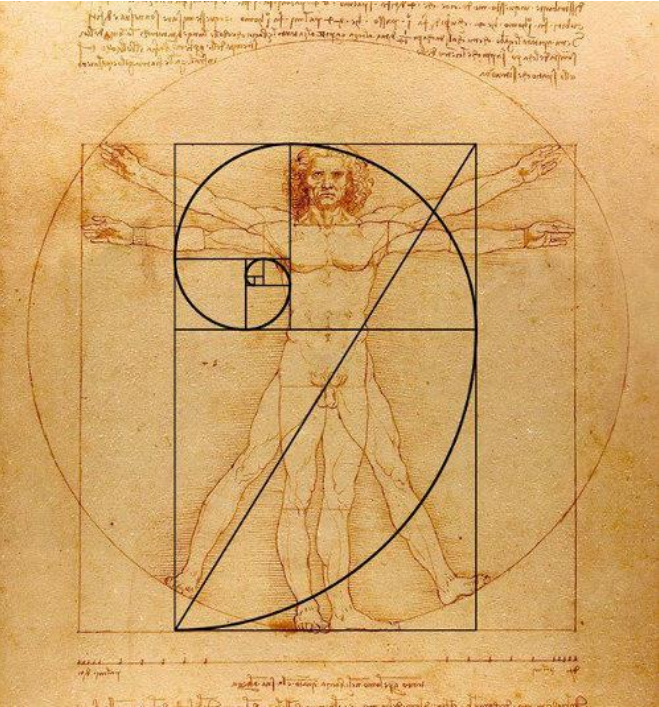
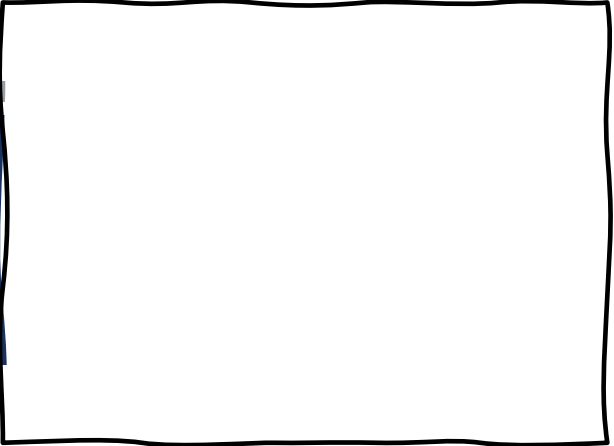
QUEM É ELE?



Leonardo Pisano Bogollo
(1170 -1250)

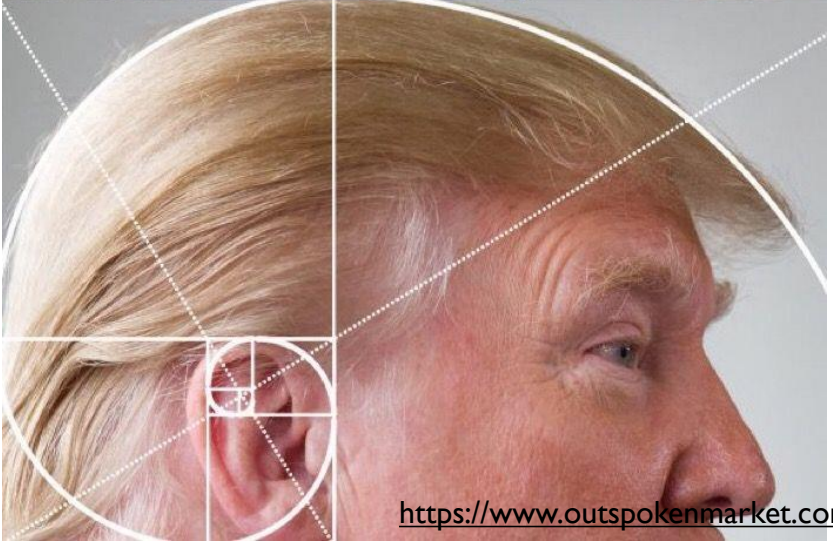
A RAZÃO ÁUREA (GOLDEN RATIO)

$$\varphi = 1,618034 \dots$$



HURRICANES

GALAXIES



DE ONDEVEM ISSO?

$\frac{b}{a}$ $\frac{1}{\phi}$ 0,618 ✓
 $\rightarrow 1,618034$

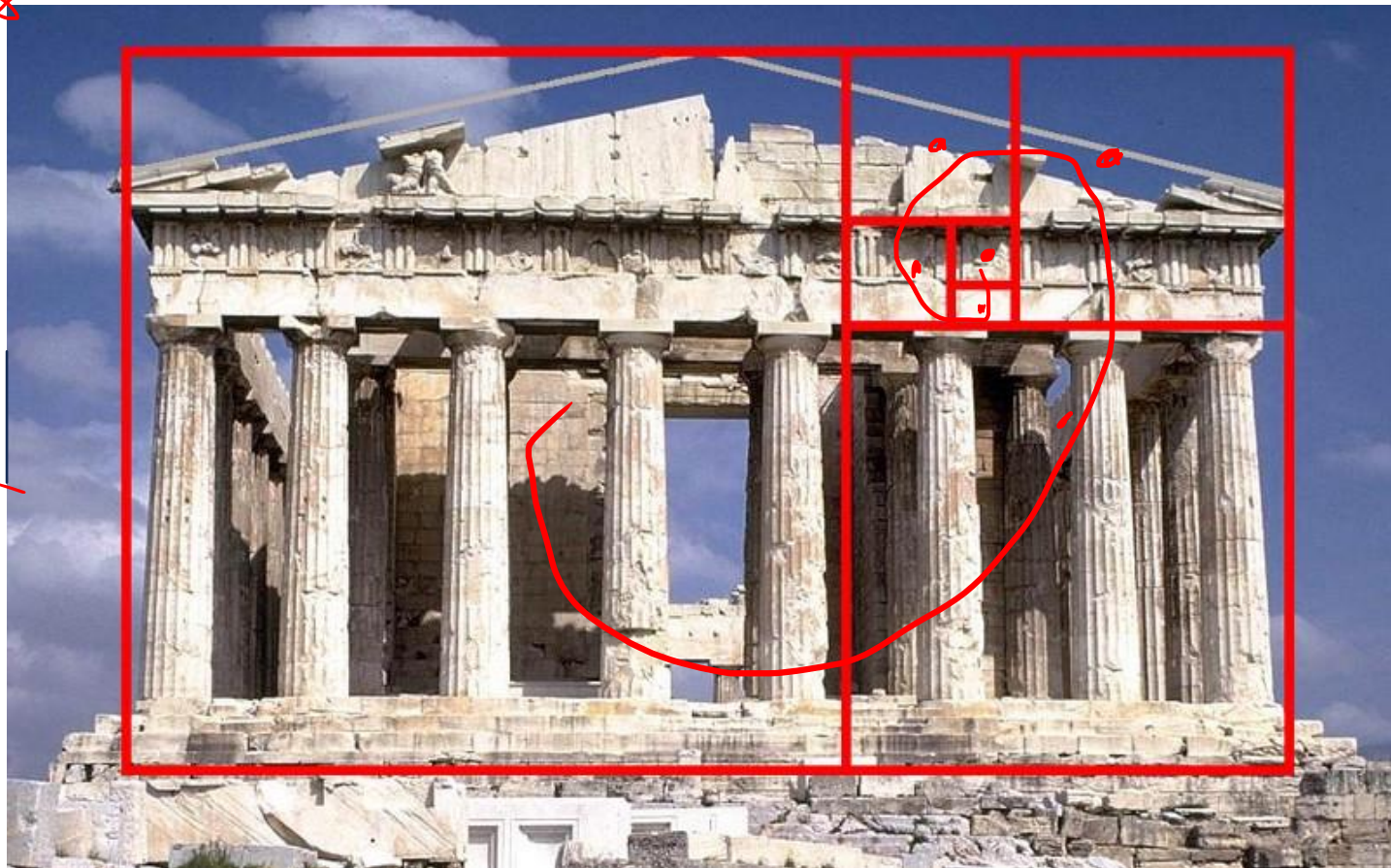
$\rightarrow \frac{a'}{b} = \frac{a+b}{b} = \phi$ $\frac{1}{\phi} = \frac{3}{2} = \frac{5}{3} = \frac{8}{5} = \frac{13}{8} =$

0 1 1 2 3 5 8 13... ∞

$$X_n = \phi^n - (1-\phi)^n$$

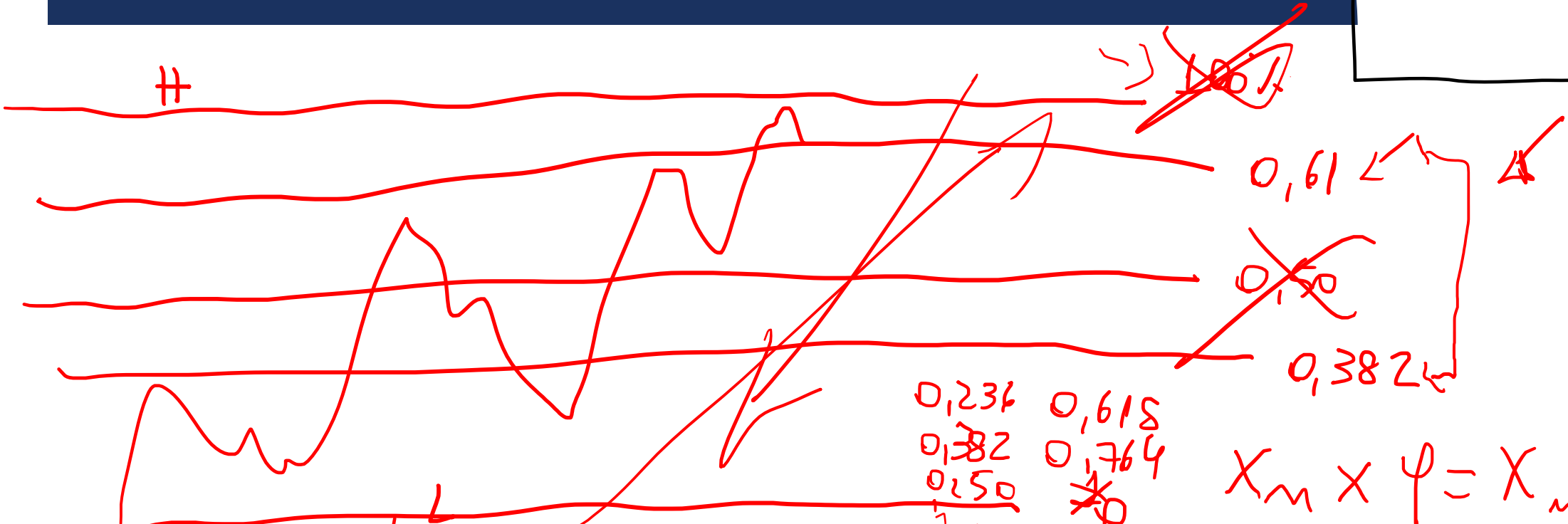
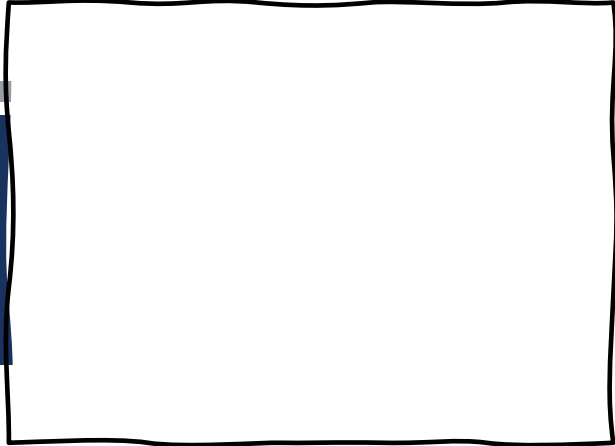
$8 = X_8 = \frac{1,618034^8 - (1-1,618034)^8}{\sqrt{5}}$

$X_8 = 8$
 $n = 13$



E NA PRÁTICA?

$$X_m \rightarrow X_{m+1} \phi \rightarrow$$



0,236 0,618
0,382 0,764
0,510 *0

$$X_m \times \phi = X_{m+1}$$

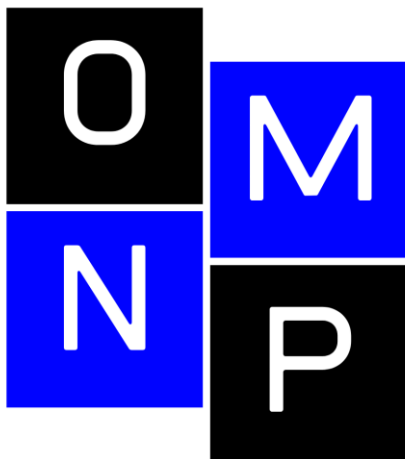
$$DR = L + ((H-L) \times i) \quad UR = H - ((H-L) \times i)$$

$$DL = L - ((H-L) \times i) \quad UE = H + ((H-L) \times i)$$

$S \times 2,618034 \approx 8$
 $\delta \dots = 13$

OBRIGADO E ATÉ A PRÓXIMA!

OUTSPOKEN MARKET



OUTSPOKEN MARKET
NA PRÁTICA

