## HEIMADÆMI 1

F<sub>3</sub> = 100 kr F<sub>5</sub> = 120 kr i = 5% N<sub>3</sub> = 3ār

Ns= Sar P= 3

Bankabók B

N=1 ar

i=?

$$\Rightarrow P = \frac{F}{(1+i)^{N}}$$

=> 
$$P = \frac{100}{(1+5\%)^3} + \frac{120}{(1+5\%)^5}$$

F=2050 ler P=500ler

$$= 7 (1+1)^7 = \frac{2050}{500}$$

$$\Rightarrow (1+i)^7 = \frac{41}{10}$$

a) 
$$F = P(1+i)^N$$
  
=>  $F = 500000 (1+8%)^6$   
=>  $F = 680.244,48 kr$ 

b) 
$$F = P(1 + i * N)$$
  
=>  $F = Soo.ooo(1 + 8% * 6)$   
=>  $F = 600.oookr$ 

5. 
$$P = 100.000$$
 kr  
 $i = 24%$   
 $N = 6$  ar  
 $M = 6$  voxtatimabil  
 $F = 3$ 

$$F = P(1 + \frac{L}{m})^{N \times m}$$

$$\Rightarrow F = 100.000 (1 + \frac{242}{6})^{6 \times 6}$$

$$\Rightarrow F = 410.393.26 \text{ kg}$$

$$F = P(1+i)^{N}$$
=>  $F = 500(1+12\%)^{12}$ 
=>  $F = 1.220$  kg