rewrite: 
$$f(x) = e^x - 3x - 6$$

rign change Rood has to be between [2,3]

$$i+1: x_0=2 x_1=3$$

$$\chi_2 = 3 - f(3) \cdot \frac{3 - 2}{f(3) - f(2)}$$

$$X_2 = 2.2693$$

$$i++2: x_0=3 x_1=2.2693$$

$$x_2 = 2.2693 - 4(2.2693) = \frac{2.2693 - 3}{4(2.2693) - 4(3)}$$

$$x_2 = 2.3702$$
  $/x_2 - x_1/4 10^{-3}$  condinue

$$i++3: x_0=2.2693 x_1=2.3702$$

$$\chi_2 = 2.3702 - f(2.3702) \frac{2.3702 - 2.2693}{f(2.3702) - f(2.2693)}$$

$$x_2 = 2.5275$$

$$it+6: x_0 = 2.3702$$

$$x_1 = 2.4275$$

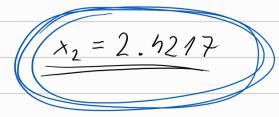
$$X_2 = 2.4275 - 4(2.4275) \cdot \frac{2.4275 - 2.3702}{4(2.4275) - 4(2.3702)}$$

$$x_2 = 2.4215$$

$$i++5: x_0 = 2.4275$$

$$x_1 = 2.4215$$

$$x_2 = 2.4215 - 4(2.4215)$$
  $\frac{2.4215 - 2.4275}{4(2.4215) - 4(2.4275)}$ 



$$|x_2 - x_1| = 0.002 < 10^{-3}$$
  
STOP!

approx. nool

