Metoda Biselegi



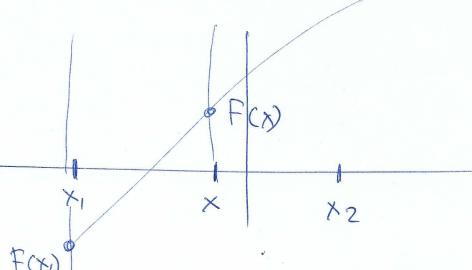
$$x_1=a$$
,  $x_2=b$   $x_i^2=\frac{x_{i-1}+x_k}{2}$ 

71=9 42=b

$$X = \frac{x_1 + x_2}{2}$$

$$y = f(x_1)$$

$$y_1 = f(x_1)$$



josehi
y.y, >0 to
X = X

Inacej X2=X

$$P(x) = -0.1x^{4} + 0.8x^{3} - 0.6x - 2x + 1.5$$

$$P'(x) = -0.1.4x^{3} + 0.8.2x^{2} - 0.6.2x - 2 =$$

$$= -0.4x^{3} + 2.4x - 1.2x - 9$$

$$P'(x) = -0.4 \cdot 3x^{2} + 2.4 \cdot 2x - 1.2 =$$

$$= -1.2x^{2} + 4.8x - 1.2.$$

mal 2,29 115 d,0-P=-1,2x+4,8x-1,2 ==12,28 x=3,72 x=0,26 P'=-0,4x3+2,4x2-1,2x-2 W P'(0)<0 P'(3,72)=6,1 P'(0,26)=-2,1 - rivee nch. P(-0.6) = 7.29

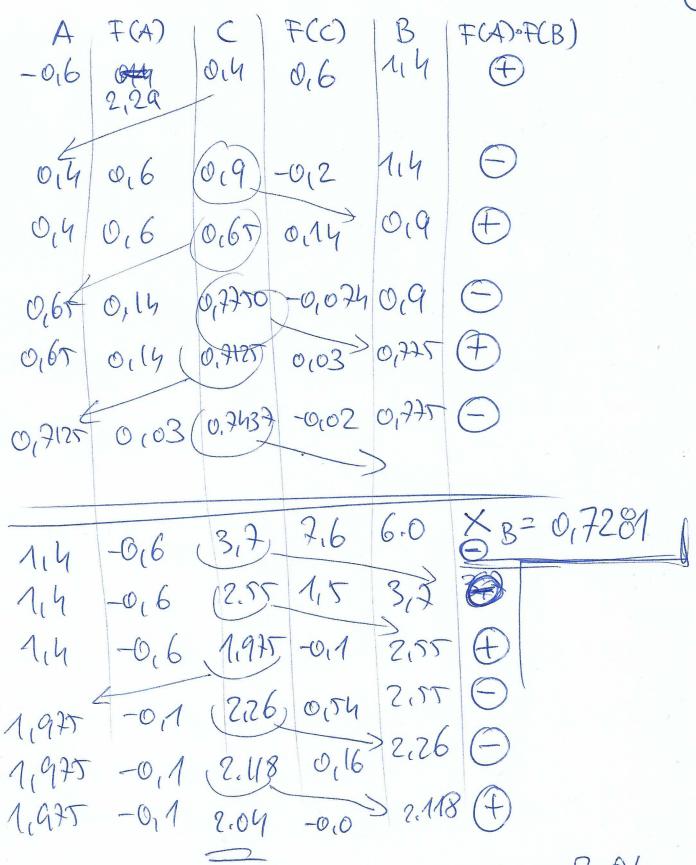
Ornanoum 3 predictly, power 1 poch ma
tam miejsca reverse
ayli sp som max i win
B<-0,6,1,4)
Fuheji, a pompely
max i min sp miejea
C<1,4,6> 2erone fules!

 $A < -3, -0.6 > X_A = -1.4813$  $B < -0.6, 1.4 > X_B = 0.7281$ 



C<14,6>Xc= 2.04

VAIN TOO STITE TOO TO SE	·
MIN FCA) CENT FCC) FORTECT	F(A). F(c)
-3 -22,6 = 1,8 -2,5 -0,6	
4	
10 2 118	,
-1.8 -215 (1.2) 1.4 -0.6	
-18 -2,5 -1,5 -0,05 -1,2	
-1,8 -21) -0,05	
-1,5 -0,05 (1,35) 0,8 -1,2	
11.25 00.14	
-115 -0,05 A1425 014 -1,35	
-1,5 -0,05 -1,4627 0,18 -1,475	6
-1,5 -0,05 -1,4813 0,06 -1,4675	



XC= 2.04

Metoda Newtona - stycne rownance styches w x 21 y-F(x:4) = P'(x:-1)(x-Xi-1)

drupa poehodra w predvoroch me stely ruch A C-3+0,26> XA=-1,4913 BCQ126, 3,72> XB = 2.047 C<3,72,6> \( C=6,21

 $x_i = x_{(i-1)} - \frac{f(x_{i-1})}{f(x_{i-1})}$ 

F1(-3) = 34 F4(-3)=-26.4 X1=a=-3  $x_2 = \frac{-3}{x_1} - \frac{F(-3)}{F(-3)} = -2.1882$ X3=-1,7178  $x_{h} = 1,52$   $x_{T} = 1,4923$ X6 = -1,4993

$$X_1 = 3172$$
  $F'(-0126) = -7.1$   
 $F''(-0126) = -0103$   
 $F'' = \oplus X_1 = b$ 

$$X_2 = 2, hSh$$
  
 $X_3 = 7,12$   
 $X_4 = 2,00$   
 $X_7 = 2,00$   
 $X_6 = 2.00$ 

$$CC3,72,6$$
  
 $F^{1}(3,72) = 6,18$   
 $F^{1}(3,72) = 0,0499$   
 $F^{1},P^{1} = \oplus x_{1} = b$ 

$$X_1^2 6$$
 $X_2^2 6 1 6 1 8$ 
 $X_3^2 6 1 8$ 
 $X_4^2 = 6 1 7 1$ 
 $X_5^2 = 6 1 7 1$