High Bollma Yorkom 
$$\frac{0.16}{0.2} = m_X$$

$$f(x) = e^X - 3x \quad D(0,1] \quad 16-01=0.08=0$$

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FC2,706)=2,7063-4C2,706)-9=19,814-10,824-4=-0,01

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```
Nowton Ropson Yorkomi
                                                          fex) f'ex)
fexi = x - - a fexi = 1x
                                                x0=7 -7 5
 オ= 7 - 三= == = = 72
                                                1 = 1,5 0,25
                                                ×2=1,417 0,008 2,834
fcx)=1-2=-1 fc1,5)=0,25 fc1,417)=0,008
                                                8 CS, 0 100,0 114, L= 8×
Ta)=2
                  f(1,5) = 3 f(1, M7) = 2,834
 x3 = 72 - 0'02= 7'2 -0'083 =7'413
                                               xy=1,4136
                                              X4 - x3 = 7,414 - 7,4136
×3 = 1,413 - 0,008 = 1,413 - 0,003 = 1,414
                                                       = 0,0004
fc 1,414) = 1,4142-2 = 1.899-2 = 0,001
                                                  X & J, 414
FCJ,414) = 2.2,414 = 2,828
9814,T= 4000'0 - AIN'T = TOO'0 - AIN'I = AX
 selont Youtem! xxx = xx - fcxx) xx - xx-1 x0 = 0
                                                             -(cx)
fcx)=e-x-x x0=0 x1=1
                                   -(Cxx) -(Cxx-1) x1 = 1 -0,632
                                                  x2 = 9613 - 0,071
fco1=e-0-0=1
                                                  ×3 = 0,564 0,005
fcz) = e_T-T = 0,388 -T =-0,687
                                                 ×4 = 0,567 0
 x_2 = 1 - (-0.632) \frac{1-0}{-0.632-1}
                                      = 1 + 0,632 -1,633
fc0,613) = e -0,613 = 0,542 -0,613
                                         = 1 + 0,432 = 1 - 0,387
                                                           =0,613
                          =-0,037
x^3 = 0.613 - (-0.037) \frac{-0.037 - (-0.637)}{0.613 - 7} = 0.613 + 0.037 \frac{-0.383}{-0.383}
fc0,564) = e-0364
-0,564=0,569-0,564
                                        = 0,613 + 0,690 -0,690
                             0,005
                                            0,613 -0,049 = 0,564
Fi = 0,504
xy = 0,564 - C0,003) 0,005 - C-0,0711
 = 0,564 - 0,005. -0,049
                         -(co,567) = e-4567 0,567
                   0,026
  =0, 764 - 0,005 -0,645
                                      0,567 -0,567 = 0
```

x 20,567,

=0,564 +0,003 = 0,567

```
frant cans
Disellinis xkuton fopoon
fcx1=x3-x-2 fc1,51=1,53-1,5-2=3,375
                                          x0=15 -0105
fcx) = 3x2-1
                     = -0,05
                                       XT = 7/201 -0005 2/340
f(x)= 6x f(2,5)=(1,5)=3-1
                     = 6,95-1= 5,15
            -0,45 -0,219
           (2,3512-60,12.9)
+(57'257) = 7'257 - 7251 - 7 = 3'273 -7'237 - 5 = 7'2 + 0'051 = 7'237
         100,0-E
f(c1,521) = 3(1,521)2-1=5,940 X = 1,5213
f"(21,521) = 6.1,521 = 9.126
             -0.001 · 5.94
   = 1,501 + 0,0003 = 1,5213
                                                   Acx) 6
Disellinis Salort
                Montem!
                                  2 + 0,099 = 2,099
```

2,099 + 0,001 = 2,12 f(2,12) = 2.43 - 2(212) - 5 = 9.528 - 4.24 - 5 = 0.288 $x_2 = 0.099 - \frac{0.088 - 0.05}{0.001 - 0.005} = 0.000 - 0.004$ fc1,095) = 2,095 3-2 (2,095) -5 = 9,195-4,19 -5 = 0,005

2.039 - 2.035 = 0,004 | X - X - Z = 00.0

fcx)=(x=0) - 1(0)=0 f(x)=2(x-0)=> 0x-4 - (co)=0 ilije Bilme [1,3] fc1)=(1-2)2=1 isorethe ayrı olmos fc3) = C3-2) = 1 You Degistirme 10)-fca) 2-2 -0 bibn 0 ohoc 12,5, 33 fc1,51= (1,5-212= 0,25 souls into altors! fc 3) = (3-2)= 1 Newton Ropson × += = × = - fcxx) forcx-2)2 ( (x)= 2(x-2) fix X0=3 2 ×1 = 52 0.25 · 015 ×2= 2,25 0,0605 fc3)=1 fc3)=1 0,5 x3=2,125 00156 0,15 x1=3- == 1.5 fc2,5)=0,25 fc2,5)=4 ×4=2,0625 0,0039 0,105 ×5=0,015 x 3= 5'2 - 0'32 = 5'52 (c3'32) = 0'52 (c3'2) x3 = 2,250 0,0625 = 2,25 - 0,105 = 2,105 linear fc2,125) = (2,125-2)2=0,0156 f(2,125)=2(2,125-2) = 0,25 ×4= 2,125 - 0,0106 =0, 155 + 0,0625 = 2,0625

$$f(2) = (x-2)^{2} \times 0 = 3 \quad x_{1} = 1, 35 \Rightarrow 0$$

$$f(2) = (1,35) = (1,853 - 2)^{2} = 1,853 \Rightarrow 0$$

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Quellimis Harton Dopson XXXI = XX - fexul f'exx)

[fexul ]2 - fexul f'exx) -(x) = (x-2)2 (3-2)=1 fcx) = 2cx-2) fc3) = 2c3-3)=2 f(x) = 2 f(c) = メア=丁  $x^{7} = 3 - \frac{1 \cdot \sqrt{3}}{1 \cdot \sqrt{3}} = 3 - \frac{3}{2} = 3$ fex SX fausx) Continuis Secont XX+1 = Xx - Sxxfcxx) - fcxx + 6xx ) - fcxx 7 7,061 0,03 fcx)=(x-2)2 d=0,01 e=0,08 1 2,503 0,257 0,025 0,283 2 2,261 0,068 0,003 0,081 fc3)=(3-2)=1 fc3,03)=c303-2)=1,061  $x_2 = 3 - \frac{0.03 \cdot 1}{0.060} = 3 - 0.493$ 3 5'138 0'018 0'007 0'002 4 2,0215f(2,507)=( 2,507-2)2 = 0,257 fc 2,507 + 0,025) = fc2,532) = c2,532 -2)2 = 0,283  $\times 2 = 2,503 - \frac{0.025 \cdot 0.253}{0.283 - 0.263} = 2,503 - \frac{0.0064}{0.006} = 2,503 - 0.246 = 2,261$  $+(5,00) = (0,00)_{5} = 0.068$ FC2,261 + 0,003) = fC2,284) = (0,284) = 0,081  $y_3 = 0.261 - \frac{0.023.0.068}{0.081 - 0.068} = 0.261 - \frac{0.0016}{0.018} = 0.261 - 0.123 = 0.138$ fc2,133) = 0,019 fc2,138+0,001) = fc2,159)=0,005

 $x_4 = 0.038 - \frac{0.001 \cdot 0.019}{0.005 - 0.019} = 0.188 - \frac{0.000399}{0.006} = 0.188 - 0.0667 - 0.015$ 

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