Manedianwickum aradig P(x) = 24 - 23 + 5x4 - 4x +1 , 2-1 - 1 7 5 28  $R(x) = f(x_0) \cdot \frac{p'(x_0)}{r} (x + x_0) + \frac{f''(x_0)}{2!} (x - x_0)^{\frac{1}{2}} + \dots + \frac{p^{(k)}}{k!} (x - x_0)^{\frac{1}{2}} + p(x_0)$ 11 1(1) = N-18+5.14-4-1-1-2 500'(2) = /24-23+526-42+1) = 423-32 +102-4 1911= 4.15- 1.15+10104 = 4 4) p'(2) = (923 - 3x + 10x -4) = 12x -62 + 10 P'(1) = 12.1 - 6 1 +10 = 16 5) 1"(a) = (122 + 62+10) = 242 -6 F(1) + 24 1-6 = 18 6) P(1)(2) = (242-6) = 24 P (1) = 24. T) p(5)(2) (24) - 0 => re bigen organic samurance conserver 8)  $P(x) = P(t) + \frac{p'(t)}{t!} + (x-t) + \frac{p''(t)}{s!} (x-t)^2 + \frac{p'''(t)}{s!} (x-t)^3 + \frac{p'''(t)}{s!} = 0$  $=2+\frac{7}{11}(2-1)+\frac{16}{21}(2-1)^2+\frac{19}{21}(2-1)^3+\frac{24}{11}(2-1)^4=$ =2+7(2-0)+3(2-0)+3(2-0)+(a-1)4

```
N 7.5.99
      1/4) - 2 - 4 2 - 62 - 8 . 2 = -1
     11 8(-1) - (-1) = 4(-1) -6(-1) - 1 = 1.
    DF(x) - 3x + 12 - 6
    15 F(+1) = 3. (-1) + 3. (-1) - 5 = -41
    (1/(x) = 62+8
   DT(-1) + 6.(-1) + 3 = 2
   7 1 120= 6
  f(x) = f(x) + \frac{p(x)}{p(x)} (x+1) + \frac{p''(x)}{p(x)} (x+1)^2 + \frac{p''(x)}{p(x)} (x+1)^3 =
   = 1 - $ (2-1) + $ (2+1) + $ (2+1) = 1 - 1(2-1) + (2+1) + (2+1) +
                N7.5.50
  8(2)=25-52417242 2012
  11 2,000
  2) 1(2) = (2)5 - 3(2)4 + 7 2 + 2 = 0
 3) P(2) - 524-12,3.7
  1(2) = 8 (2) + 12(2) + 7 = - 5
5) 1 (a) · 2023 - 3622
 1"(2) = 160 -184 - 16
5) 1"(2) = 602 - 72 2
 1 (2) = 60 4 -72 8 = 240 - 144 = 96
6) 1 (2) = 1202 - 72 11 (2) = 240 IL = 168
7) PE)(2) = 120 p15)(2) = 120
( ) ( (x) = 0 => him ocnahorono quesa
```

18 Mas : 0 = 1 (10 2) + 1/4 (2 2) - 2/4 (2-1) + 1/4 (20-2) - 1/4 (2) -8(2-2) +3(2-2) +16(2-2) +7(2-2) + (2-2) 17.5.31 D 860- 2 -20-1 2) 500 - f=1. 5'(1) = f = 2. 6) 50'(2) = 2 = 2 = 1 3)5(a) - - 1 5)5"(a) = - 6 5 (1) -- 6 = -23-1=-1-2-6  $= 5^{(0)}(2) \cdot (2 \cdot 1 \cdot 4 \cdot 2^{-5}) = -2 \cdot 3 \cdot 4 \cdot 5 \cdot \frac{4}{26}$   $= 5^{(0)}(1) \cdot -1 \cdot 2 \cdot 3 \cdot 4 \cdot 6$ 1) 500 (1) - Ell - 2! 5(2) - 5(1) - 51(1)(x-1), 51(1(a-1) + 511(1) (x-1) + 511(1) + 500(1)(2-1) = 0((2-1)) = 1-(2-1) = (2-1) = (2-1) = (2-1) = (2-1) = (2-1) + (-11 (2-1) + o((2+1)) @ f(0) = aratg x 1 p o(x3) 1) To possegue wassegues => a = 0 2) Cogument go o(a3) => \$ (0) \$ (0) \$ "(0) 5) 5(0) = aroly(0) = 0 v) 5 (2) = (2 refg 2) = 1+22 \$ (6) = That 1 5) 5"(2) - (1/2") - (11+2") - (1+2") - -1: (1+2") -1. (1+2") = - (1+20) - (2/24) - - 24 (1+20)2 5 (0) = = 210 = 0

 $=\frac{2}{2}\frac{2^{n}(2)}{(2)} = \left(\frac{2}{12}\frac{2}{12}\frac{1}{12}\right)^{n} = \frac{2}{(1+2)^{n}}\frac{2^{n}(2)}{(1+2)^{n}} = \frac{2}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}} = \frac{2}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}}\frac{2^{n}}{(1+2)^{n}}\frac$