```
Tark 2 y [n] = f(x [n]) X [n] = A con (On)
                                      \hat{I}(x_{5n2}) = \sum_{k=0}^{K} \frac{1}{k!} \frac{d^{k}I_{(2)}}{dz^{k}} \Big|_{z=c} (x_{5n2} - c)^{k}
                                      f(xsn1) = do + d, cos(Oon) + d2 cos(2 Oon) + d3 cos(30on)
                        \hat{f}(x_{sn2}) = \sum_{k=0}^{K} \frac{1}{dz^{k}} |_{z=c} (x_{sn2} - c)^{k}
                                     = 1 f(c) \cdot 1 + 1 f(c) (x_{En3} - c)^{2} + 2! f(c) (x_{En3} - c)^{2} + 3! f(c) (x_{En3} - c)^{3}
                           = f_{(c)} + f_{(c)}(x-c)^{1} + \frac{1}{2}f_{(c)}(x^{2}-2xc+c^{2}) + \frac{1}{6}f_{(c)}(x^{3}-3x^{2}c+3xc^{2}-c^{3})
                           = f(c) + f'(c) x - f(c) C + \frac{1}{2} f'(c) x^{2} - f'(c) x + \frac{1}{2} f'(c) C + \frac{1}{6} f'(c) x^{3} - \frac{1}{2} f'(c) x^{2} + \frac{1}{2} f'(c) x^{2}
                        = f(c) + f(c) A cos(Oon) - f(c) c + 2 f(c) 1 an (Oon) - f(c) A cos (Oon) c + 2 f(c) c Attition
Cos (0 , n) = 2 (1+
                         + 6 fc) 1 cos (Oon) - 2 fc) 1 cos (Oon) c + 2 fc) 1 cos (Oon) 0 - 6 fc) c
          Cos (2000)
                      = f(c) + f(c) A cos(Oon) - f(c)c + 2 f(c) A (2 (1 + cos(2 Oon))) - f(c) A cos(Oon)c
cos (θοn) = 4 (3 cos (θοn)
+ cos (300n))
                         + \frac{1}{2} \lefter (c) \frac{2}{c} + \frac{1}{6} \refter (c) \lefter \frac{1}{4} (3 \cos(0 on) + \cos (30 on))) - \frac{1}{2} \refter (c) \lefter \frac{1}{2} (1 + \cos(20 on))) \circ
                         + 2 f(c) A cos (Oon) c - 6 p(c) c
                       = fcc) + fcc) Aco (Oon) - fcc) c + 4 fcc) A + 4 fcc) A cos (20on) - fcc) Acos (Oon) c
                         + 2 /(c) c + 8 / (c) 1 cos (Oon) + 24 / (c) 1 cos (300n) - 4 / (c) 1 c - 4 / (c) 1 cos (200n)c
                         + 2 pro A cos(Bon) c2 - 6 pro c
                      fred - fred + 4 fred 1 + 2 fred - 4 fred 1 - 6 fred 2
        ohne cos:
                      P(c) A cos (Oon) - P(c) A cos (Oon) c + 8 p (c) A cos (Oon) + 2 p (c) A cos (Oon) c
                      4 fros 1 cos (200n) - 4 fros 1 cos (200n) c
           cos (20 en):
                        24 fco A cos (300n)
          Cos(300n)=
                      do = \int_{(0)} - \int_{(0)} c + 4 \int_{(0)} d^{2} + 2 \int_{(0)}^{2} c - 4 \int_{(0)}^{2} d^{2} c + 6 \int_{(0)}^{2} c^{2}
                      dy = fro A - fro A cosc + 8 fro A3 + 2 fro e2
                      de = 4 f(0) A2 - 4 p3 A2 e
                      az = 24 pm 13
```