Augase a)
$$5u = \sqrt{\ln \left[1 + \left(\frac{6x_2}{u_{x2} - x_{02}}\right)^2\right]} = 0.234$$

$$\mu u = \ln \frac{\mu_{xz} - x_{qz}}{1 + \left(\frac{5x_2}{\mu_{tz} - x_{qz}}\right)^2} = 5,559$$

$$C_i = -\frac{N_i(G=1)}{A}$$

$$C_{\lambda} = 0$$
 $C_{4} = -334.56$ $C_{7} = -265.25$ $C_{8} = -265.25$ $C_{7} = -265.25$ $C_{7} = -198.94$

$$f_1(x_1) = a_1 \exp[-a(x_1-b) - \exp(-a(x_1-b))]$$

$$a = \frac{1}{7x_1} \frac{4}{167} = 0.018$$

$$b = \mu_{x_1} - \frac{0.5772}{0} = 378,50$$

C10= -204,7

```
Aufgabe 5)
  P4 = max (P4) = max 

j=1,00 | X1=- x00.
 num jutegnion:
                  P45 = 0.0057/
  Pen = 0
                 Pf = 0.0037
                               P410 = 0,0056
 Ptz = 0.0043
                 Pf7 = 0.0043
 P+3 = 0
               P48 = 0.0057
 Pf4 = 0.0032
     max Pti = Pts = Pt8 = 0.0057
Aufgabe c)
   Six = - |N; (G=1)|
                                    C714 = = 1.0
                   C4.4 = -1.25
     C1.k = 0
                                    C1.4 = - 0,75
    Czik = -1 Csik = -0175
    C3, 4 = 0 (6,4 = -1,414
                                    Cg. k = 0
  k_i = \frac{\mathcal{E} \cdot I \cdot \psi^2}{4i^2}
                                                     410 - 2467,40
                                    47 = 964,93
                   44= 617,50
     Kn = 364,93
                                    41 = 1715,43
                     45= 1715,43
    kz = 1715,43
                                    43 = 617,56
                    Les = 1045,71
     48 = 1715,43
  => Nur Druckstäse velevant, d.6. 5, 6, 7, 10.
 Fay I
  Ph= 1- 0 Ni (- 1 (- 15 (- 1/4))
   Pt=4= 2,69.10-157
   Pt64= 6.14. 10-6 } max Pqu - Pf6 = 6.14.10.6
Pt74= 8.95. 10-14
   PHONE 1.10.11-127
    -> a) max Pf; = 6,14.10-6 & Pf &1 0.032
    - 61 max Phi = 6.14.12.6 & Ph & 0.0057
```

Mit CamScanner gescannt