$h_{\mathcal{C}}(x) = (1-2(x-x_{\mathcal{C}})), (20)$ (1) h (x) = (x-0.2) (x-0.3) 900 (0-1-0-2)(0-1-0-3) D1.131 (1) f(x) (1/60) -0.62049958 3.58502082 -0.28398668 3.14033271 0.3 0.00660095 (2.66668043) (0.2-01) (0.2-0.3) = -100x +2001 - 3  $P5(x) = f(x_0)h_0(x) + f(x_1)h_1(x) + f(x_2)h_2(x)(x)$ +  $f'(x_0) \hat{h}_0(x) + f'(x_1) \hat{h}_1(x) + f'(x_2) \hat{h}_2(x)$ 13 (x) = (x-0.2) (x-0.1) = (-0.62049958) ho (x)+ (-0.28398668) h1 (x) + (0.00660095) h2(x) + (3.58502082) ho (x) + (3-14033271) ĥi (x) + (2.66668043) ĥ. (x)

$$h_{k}(x) = (1-2(x-x_{k})l_{k}'(x_{k}))l_{k}'(x)$$

$$l_{0}(x) = \frac{(x-0.2)(x-0.3)}{(0.1-0.2)(0.1-0.3)}$$

$$= 50x^{2} - 25x + 3$$

$$l_{0}(x) = |00x-25|$$

$$l_{1}(x) = \frac{(x-0.1)(x-0.3)}{(0.2-0.3)}$$

$$= -100x^{2} + 40x - 3$$

$$l_{1}'(x) = -200x + 40$$

$$l_{2}(x) = \frac{(x-0.2)(x-0.1)}{(0.3-0.2)(0.3-0.1)}$$

$$= 50x^{2} - 15x + 1$$

$$l_{2}(x) = |00x-15|$$

h. (x) = (1-2(x-0.1)[100x-25]) (50x2-25x+3) = -500000x+675000x3-370000x4 + 104750x3-16000x2+1230x-36  $h_1(x) = (1-2(x-0.2)[-50x+40])(-100x^2+40x-3)^2$  $= 4000000 \chi^6 - 4800000 \chi^5 + 2330000 \chi^6$  $-584000 \times^{3} + 79400 \times^{2} - 5520 \times + 153$  $h_{2}(\chi) = (1-2(\chi-0.3)[100\chi-15])(50\chi^{2}-15\chi+1)^{2}$   $= -500000\chi^{2} + 525000\chi^{2} - 220000\chi^{4}$ 01+2+1+47250x3-5500 x2+330x-8

-0 h, (x)= (x-xx) (x-xx) (=(x) -1) = (x) od h, (x) = (x-0.2) (-100x2+40x-3)200 + 104750x3-16020x3+1230x -36  $= 10000x^{5} - 10000x^{4} + 3800x^{3} - 680x^{2} + 57x - 1.8$  -x64 + 5x66 - (104 + x68 - (106 - x) - 1) - (10)h. (x) = (x-0:1) (50x2-25x43) 2001 = ECH = 2500 x5-2750 x4+1175x3-242.5x2+24x e.o-h2(x)= (1-2(x-0.3)[100x-15]) (50x-15x+x)  $h_2(x) = (x-0.3)(50x^2-15x+1)$ 500000x + 52500002-220000x = 2500x5-2250x4+775x3+127.5x2+10x-0-3

$$P_{3}(x) = (-0.62049958) (-500000x^{6} + 675000 x^{5} - 370000x^{4} + 1230x - 36) + 104750x^{3} - 16000x^{2} + 1230x - 36) + 104750x^{3} - 16000x^{2} + 1230x - 36) + 104750x^{3} - 16000x^{2} + 1230000x^{4} - 584000x^{3} + 79400x^{2} - 5520x + 163) + (0.00660099) (-500000x^{4} + 525000x^{5} - 220000x^{4} + 47250x^{3} - 5500x^{2} + 330x - 8) + (3.58502082) (2500x^{5} - 2750x^{4} + 1175x^{3} - 242.5x^{2} + 24x - 0.9) + (3.1403327) (10000x^{5} - 10000x^{4} + 3800x^{3} - 680x^{2} + 57x - 1.8) + (2.66668043) (2500x^{5} - 2250x^{4} + 775x^{3} - 127.5x^{2} + 10x - 0.3)$$

## Scanned with CamScanner

9:2

$$= (31)_{10}$$

min number = 
$$-(31)_{10}$$

no. of sets = 
$$8x2 = 16$$
 sets

min number for non-ve = 
$$(0.10000)\times \frac{2}{2}$$

Chart I #

$$0.10000 \times 2^{5} = (16)_{10}$$
  
 $0.10000 \times 2^{5} = (17)_{10}$   
 $0.10010 \times 2^{5} = (17)_{10}$   
 $0.10011 \times 2^{5} = (19)_{10}$   
 $0.10101 \times 2^{5} = (20)_{10}$   
 $0.10101 \times 2^{5} = (21)_{10}$   
 $0.10111 \times 2^{5} = (22)_{10}$   
 $0.10111 \times 2^{5} = (23)_{10}$ 

