

```
The sum = 21 30, 321 = 21, (3,11) April (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8,12) . (1-8
0.42248182x(1-0.52248482)+(0.057148-11)x00)+0.52996405(1-0.52996405)+(0.057723
         -10) * (1-0, 5274723) =-0.1437
                                            - 39 - 321 = 5 1 ( y (2) - y (2)) . V 1 - Z (1) (1-2) ) . X (2) = (6.05672-8) x 0.02 x 6.52248482
        X(1-0,5249482) * 1 + Co,057148-11) * 0,02 x 0,52996405(1-0, t2996405) × 1+(0,05772)
         -101x(1-0,5274727)x2=-0,1937
         3L = 3L , 3y , 321 = 5 m (g(i) - y(i)). V1. Z(i) (1-2(i)). X(2) = (0.05672-8) x0.02 *0.52248481
        *(1-0.5248482)*2+ (0.057148-11) *0.02 * 0.5 29964-5 (1-0.1529964-5) * 3 + (0.05772)
        -10)+(1-0,5274723)x2=-0,34
                        = 34 · 39 · 321 = \(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\
        X(1-0.51998934)+ (0.057148-11)*0.52497919*(1-0.55497919)*0.522-10)*0.522484522
           4(1-0.5224848)) \times 0.03 = -0.2[577]
           \frac{\partial L}{\partial W_{2}} = \frac{\partial L}{\partial Q} \cdot \frac{\partial Q}{\partial Q} \cdot \frac{\partial Z_{2}}{\partial W_{2}} = \sum_{i=1}^{m} (\hat{y}_{i}\hat{y}_{i}) - \hat{y}_{i}\hat{y}_{i}) \cdot V_{2} Z_{2}^{(h)} (1 - Z_{2}^{(h)}) \times V_{3}^{(h)} = -0.29
                                     32. 34. 322 = 5m (gaj - y(2)). V2 7 (1) (1-Z21) X2 = -0, 5 3
                                                 -. 39 . 023 = 5 m (g(i) - y(i)). V3 . 22" (1-23")). 1= (0.6672-8) KO.64 x 0,51749286
      +(1-0,51749286)+(0,057148-11)+0,51998934x0,04(1-0,51998934)+(0,05722)-10)+
      0.52497919*0.04*(1-052497919)=-0.28777
                               = 3L, 34, 3=3 = 5m (g(1)-y(1)), V2. Z3 (1-7,9), X1=-0387
                                                        39 . 325 - 5m (gi)- yii) · V3 'Z3'(1-Z3'i) X2' = -0,60479
    a) 21 = 21 (34 = 5 m (31) - y1) . 2" = (-28,83, -15,19, -15,07, -15,02)
                                                                         - 121 = 5 m (1 - yli) . V, 12/0 (1- = (1) xli) = (-0.1437, -0.1933, -0.34)
                                                        · 3 · 3+2 = 5 [ ( ) - y () ) · V2 · Z () (1-5 2) · X (i) = (-0.21 577, -0.29, -0.513)
                                                                            It's same with part (C)
                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                                          0
```

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0
                 a) \nabla f(x,y) = 1 \frac{d+}{dx}, \frac{d+}{dx} = [2x+3y) \cdot 3] = [8x+12y, 12x+18y)
-
                                                              \frac{d(F) \cdot d(G) = (2X + 4)(7)}{3 + (6X \cdot 7)} = \frac{6X}{3 + (6X^3)} = \frac{3}{12}
                                                       Y"-y] (Zo Zi Zi Zi) T
                                    3501 3400 3500
                        -0,03964 -0,03964 -0.07928
                                          -0, det- -0,1636
                         -0.054
                                          - 10,69913
                         - 0164956
                     OL 3L, 292 - Egit - y] [ = 074 - 5.74 - 5.74 - 5.74 - 5.74 - 5.74 - 5.74 - 5.74 - 5.74 - 5.74 - 5.74 - 5.74 - 5.74
                   2L = 2L 29 = [93 -y] [26 21 21 21 21 21 21 21 21 22 22 22 24 -5, 195 -5, 22
                 al = 5 al = [-28.83, -15.19, -15.07, -15.02]
                 3L 3L 3/2 322 5W2 = [90-40] = (1-21)X0 V2 (1-21)Z1X1 V2 (1-21)Z1X1 V2 (1-21)Z1X1
                                                 12(1-2) X2 V3 (1-72)73 X3 V3(1-23)23 X3
```

[-0,59474 -0,081567 -0,07442	-0.059479 -0.118959 -0.081867 -0.2455997 -6,14884	5
20m; -0'1/2 20m; -0'1/4 20m;	1-6,09918 -0,19836 37 -6,1933 -0,347	-0.32776
3 X hi sha	77 -0,387 -0,68479	
3L = 2L 3	3h 2h - 2 m (y) - y) . y (1-	(gi) - yii) . gii) ([- yii) . V . hii)
,(1	-hitaut) Xii	
		D
	V Acade	