```
1. Ур-е параболо проходищей герез тогки (1,2) (3,10), (5,1)
           Omber : -\frac{17}{8}x^2 + \frac{25}{2}x - \frac{67}{8} = 4
 2: Пуеть х - высохише отурия в кым оние сод-т 2% сухого вид-в.
                       x * 0,2 = 100.0,1
                                                                                                                                                                                                                                                                                                                                    023:
                         x = \frac{100.0,1}{0,2} = \frac{10}{0,2} = 50 \text{ KZ} Om Gem: 50 KZ
                                                                                                                                                                                      1) \log_8 2^{8x-4} = 4
\log_8 2^{8x-4} = \log_8 4096
2^{8x-4} = \log_8 2^{8x-4} = \log_8 4096
2^{8x-4} = \log_8 2^{8x-4} 
    3.1) x = 256 2) 2^{x} = 300 3) \log_{8} 2^{8x-4} = 1

x = \log_{2} 256 x = \log_{8} 300 \log_{8} 2^{8x-4} = 1

x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8 x = 8
                                                                                                                                                                                                     8x-4= 12
                                                                                                                                                                                                   x = 2
                                                                                                                                                                         5) x log3 x+1
         4) logg (5x-5) = 5 023: 5-1
                                                                                                              5x-5>0
                                                                                                                                                                                        cog_3 \times log_3 \times 1 = log_3 9
              (5x-5)^{\log 3} = 5 \qquad x > 1
                 (5x-5)^{\frac{1}{2}}=5
                                                                                                                                                                                     (log3 x+1) log3 x = 2
                                                                                                                                                                   Laucence logx= t
                                                                                                                                                                                   (\pm +1), t = 2

\pm 2 + \pm -2 = 0 t + 1 + t_2 = -1

\pm 1 + 2 = -2
              ombero: 6
                                                                                                                                                                                  t_y = 1 ospaniau zaecece t_g = -2 log_3 \times = 1 u log_3 = -2
                                                                                                                                                                        Outbeeli: 3u \frac{1}{g} x = 3 x = \frac{1}{g}
                                                                                                                                                                                         6) log6 12+ log63 = log6(12.3) = 2
4.1)log416=2
                                                                                                                                                                                          7) e eu5 5
 \frac{1}{2}\log_{3}\frac{1}{2}=\frac{1}{2}
\frac{1}{2}\log_{3}\sqrt{27}=\frac{3}{2}
                                                                                                                                                                      9) logy 32 + log 0,1 10 = log 2 2 2 + log 10-1

2 5 + 1 = 1,5

10) glog3 5 = 3 log3 5 = 3 log3 5 = 5
      5) \log_2 12 - \log_2 3 = \log_1 \frac{12}{3} = 2
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