```
Task 2
 [9x + 2y + 32 = 13
 271 + 54 1 2 = 10
 271+ 34 + 92 = 16
a). () equation 7 9 > svm of 2+3 = Dominant
   @ equation & 5 is not > sum of 2 +1 = NOT Dominant
   6) equation 7 9 15 > sum of 2+3 = Diagonally Dominant
   . system is not Diagonally Dominant as a whole.
b). Gauss-seidel
   Iteration 1
        x = (23-24-32) /9 . 2.556
        y = (10-2x-z) /5 = 1-4112
        Z = (16-2x-34)/9 = 1.6131
   iteration 2
        x = (23-24-32) /9 = 2.7986
         y = (10-2x-2) /5 = 1.3745
         Z = (16-2x-34) /9 = 1.6486
  Heration 3
        X = (23-24-32) /9 = 2.8848
        y= (10-2x-2) /5 = 1.3610
        Z = (16-2x -34)/9 = 1-6697
   . X = 2.8848
     y = 1.3610
     Z= 1.6697
                            /1x(i)1
  Check BILROR 1.
= error = max (|x(i) -x(i-1)| / |y(i) -y(i-1)|/|y(i)|/| 2(i) -2(i-1)|/| (|xi)|) x 100%.
    error = max (12.8848 - 2.8672 1/12.88481, 11.3610 -1.36391/11.36101, 1.6697 -1.6651//11.66971) x 1007.
         = max (0.0061, 0.0021, 0.0027) x 100 %.
                    4 1%.
         = 0.61 %.
```