```
2.66) (a) P(Unsafe Goditions of graveyard shift U Human Error of graveyard shift)
                   = 0.02+0.3
      (b) P (Human Error of Day U Human Error of Evening U Human Error of graveyard)
           = 0.32 + 0.25 +0.3
        =0.87
     (c)p(U.Cot Pay U U.Cof Evening U U.Cof graveyard)
        =0.05 + 0.06 + 0.02
          = 0.13
      (d) p(probability of accident in evening U probability of accident graveyard shift)
          =(0.06+0.25)+0.02+0.3)
                                 (b) p( wife vote / given husband vote)
2.82) (a) Plat least one member vote)
        = (0.2-0.15)+(0.28-0.15)+0.15
                                       2 0.15
                                       = 0.75
          = 0.33
                                      (b) P(B'AC) = P(ANB'AC) + P(A'AB'AC)
    (c) P(husband vote | wife not vote)
                                                   = PCC | ANB') PCB' |A ) PCA)
                                                   + PCC/A'NB') PCB'IA') P(A')
                                                  20,81(1-0,75)(0,3)+(0,9)(1-0,2)
                                  (c) PCc) = PCAMBAC)+PCAMBAC)+PCAMBAC)
 2,90)
                                           tp(AMBMC)
                                          =0.045t0.06t0.21t0.504=0.63
(4) PCANBAC) = PCANB) · PCC(ANB)
                                  (d) P(A|B'AC) = P(AAB'AC) = 0.06
P(B'AC) = 0.564
             = 0.225 - 0.2
             = 0.045
                                                  20.1064
```

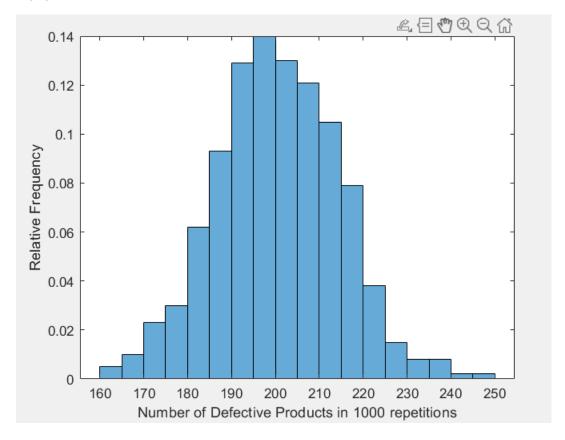
2.106) $p = \frac{number of malfunction caused by other human errors instation c}{td91 number of malfunction caused by other human errors = <math>\frac{5}{71775} = \frac{5}{19}$

 $\frac{126\%}{126\%} = \frac{\text{total number of worker found a job in new company in same field and is union member}}{\text{total number of worker found a job in new company in same field}}$ $= \frac{13}{12+10} = \frac{13}{23}$

(b) P= total number of union number fotal number of union number

$$= \frac{2}{40 + 13 + 4 + 2} = \frac{2}{59}$$

1(b)







By using disp() function or .mat file, I get the result like the above. Comparing with the theoretical value shown in Example 2.42 that is 10/49, approximately is 0.2041, the minimum and maximum from result above are 0.1888 and 0.2129 respectively and the deviation/error percentage is under 10%. Hence, the result above is considered as acceptable result.