```
CD) P(x/survived = "1")=0,70 x0,35 x0,70 x0,56 x0,43 x 0.66
                            =0.02803
    P(x|survived = "0")=0.17 x 0.33 x 0.70 x 0.47 x 0.66 x 0.62
                           3 d od 703
  P)P(x | survived = "1")0.02803 x 0.66 = 0.01849
P(x) survived = "0")=0.00703 x 0.33 = 0.00231
  E) Kesimpulan = survived "1" class 1
57 Data Testim ke s
  Sex = male, embarked = S, age safe "add" fore oute = very
  sibling sponse = 18, parent - chill - no
   o) P(c) = P (survived) = "1" = 48 /70
      P(c) + P(survived) = "0" 3 3 24/92
                                   =0133-
   b) P(x/ci) while 1 = 1,7
-P(sex = "male" | survived = 1 = 14/48
                                       + 0,79
     -P (sex - maile Isuruived = 0 = 21/24
                                       0.8
     - P (emborked = 5 /survived = 1 = 30/48
                                        = 0/62
     -P (emborked = 5 / survived = 0 = 15/24
                                        = 0.62
     -P (Age . cote : Adult/survived : 1 = 35/48
                                          = 0.72
     -P (Age-cote = Adult / survived : 0 = 19/24
                                           = 0.70
     - P (Fare coste = very chap / survived = 1 = 28/48
                                            ₹ 0,58
    - P (Fore - cate = very - cheop/suruned + 0 = 14/24
                                              =0.58.
    - P (sibling sponse = yes survived - 1 = 26/48
    - P (sibling - sponse = Yes | survived - 0 = 8/24
                                             = 0.33
```

```
- P(Porent_chill : No I survived = 1) = 32/48
                                         20.66
  - P (parent_chill - No | survived = 0) = 15/24
  c) P(x| Survived = "1")0.29 x0.62 x0.72 x0.58 x0.54 x0.66
      P(x | survived = "0") = 0.8 x 0.62 x 0.70 x 0.58 x 0.33 x 0.62
  () P(x | survived = 7, -) = 0.0267 x 0.66 = 0.0196
      P(x | survived = "0") = 0.0412 x 0,53 = 0.0125
  E) Kesimpulan = survived "1" close 1
3) Data testing ke 6.
   sex : Female, embarked s, oge, cote = Adult, Fore cot = normal
   sibling spense in parent chill yes
   0)P(C,)>P (survived = 1) = 48/73
                                = 0.65
      P(ci) = P (survived = 0) = 24/22
    b)p(x |ci)untuk | = 1.2
     - p (sex = female | survived = 1 ) = 34/48
                                       = 0.70
     -p (sex = Female | survived = 0
                                     = 3 / 24
                                       = 0,12
     -P (emborked & | survived = 1)
                                      = 30 / 48
                                      = 0.62
     -P(embarked - s | survived - 0)
                                      = 15 /24
                                      . 0.62
    -P (Age . Cate = Adult | survived = 1) = 35/48
                                       = 0,72
     -P (Age Cate - Adult survived = 0) = 17/24
                                      =0,70
    - P (fare cafe = normal | survived = 1) = 7/48
                                         20.14
    -P (Fare-cate : normal | survived - 0) - 2 /24
                                         = 0.08
    - P(sibling_spause = no | survived = 1) = 21/48
                                          F 0 143
```

```
- P (sibling - sporse = no I survived = 0) = 16/24
                                    = 0.66
 -P (parent_chil) = yes | survived = 1) = 15/48
 -P (Perent_chill = yes (survived = 0) = 9/24
C# )P(x | survived = 1):0,30 x0,62x0,72x0,14x0,43x0,31
                       =0,005.83
    P (x) survived = 0)=0.12 x 0.62 x 0.20 x 0.08 x 0.66 x 0.31
  0.)P(x1 survived = 1)=0.00583 x 0.66 = 0.003649
     P (x | survived = 0) dioslo! x 0,33 = 0,000 333
  F) Kesimpulan - survived " 1" class 1
3) Data Testing Ke ?
  sex = male, embarked = 0. Age - corte = Adult, Fore - corte
  = very cheap, sibling spouse = no , parent chil . no
  a) P(c=) = P(survived = 1) = 48/72
                              - 0 G
     P(c1) = P(survived = 0) + 24/72
                             - 0.33
   b) p (x /c/) untuk 1 = 1.2
    -P (sex - male / survived = 1) = 14/48
                                 - 0129-
    -P(--11- = 0) = 21/24
                                = 0.8
    -p (embarked = c | survived = 1) = 17/48
    -P(-1 -0) = 8/24
                                = 0,33
    -P (Age_cate = Adult /survived = 1) = 35/48
                                 = 0,92
    -P(-- 11 -- 0)=17/24
                               = 0.70
    -P (Fare - cate = very - cheap / surviveder) = 28 / 48
    -P(--11- =0) = 14/24
```

```
-P (sibling spouse = no | survived = 1"):22/48
                                     = 0,45
- P (stb = 0") = 16 / 29
- P (Parent_chil = no | survived = "1") = 32/48
                                      = 0.66
        = 0.62
 c) P(x) survived = 1) =0.29 x0.35 x0.72 x0.58 x0.45 x0.66
                       = 0, al 750
    P(x|survived =0) =0,8 x0,32 x0, 70 x0,58 x0,66 x0,62
                       20,0938.79
 12)P(x | survived = 1) =0,01258 x 0,66 =0,00830
    P (x | survived = 0) 10,04385 X 0133 = 0,01447
 E) Kesimpulan survive 20' class 1
6) Oata Testing 6
  sex = male , emborked = C . Age Corte = old . Fore corte = cheap sibling spouse = yes , parent chill = yes .
  a) P(c) + P (survived = 1) = 48/42
     P (c/) - P (survived = "0") . 0 24/72
   6)P(x 10) untok 1 = 1.2
-p (sex = mak (survived = 1) = 14/48
     -P(--11- =0) = 21 / 24
     - p (emborked = ( | survived = 1) = 17/98
                                   = 0.35
     -P(-11-0)-8/24
     - P (Age - cate = old | survived = 1) = 1/48
     -P(-- V -- 0)-6/24
     -P (Fore-cote = chego / survived = 1) = 9/48
```

|                                                                      | A CONTRACTOR OF THE PARTY OF TH |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -P (fore cate = cheap   survived 1 = 0) = +5/24                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 200                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| - P (sibling spouse = yes /survived = 1) = 26/48                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| - A \$U                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| -P(11=0)=8/24                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| - P ( Parent chil = yes /survived = 1) = 16/48                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| = 0.33                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| -P(- 1 - 0) = 9/24                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ÷ 0.39                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| c) P(x   survived = "1") = 0,29 x 0,35 x 0,07 x 6,18 x 0             | 84 x033                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| P (x   Survived = 0') = 0.00006                                      | 1.33 ×a.3>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| d) P (x   survived = "1") = 0,00161                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| P(x) survived = 0 > = 0,00161 x 0133 = 6,00053                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| e) Kesimpulan = survived = 0' class 1                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 9) Data testina ke 9                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sex = male, embarked = 5, Age_cote = Adult, Fore_                    | cost "cheap                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| sibling spouse = yes , porent chill = no.                            | 010001000000000000000000000000000000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| a) P(c1) = P (survived = 1) = 48 /72                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| -0.66                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| P (cr) = P (survived = 0) = 24/79                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| = 0.33                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| b) P (x  ci) untok 1 = 1,2<br>-P (sex = male   survived = "1")=14/48 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| - P (sex = male   survived = "1" )=14/48                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| = O.29                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| -P(sex = - 1 - = "0") = 21 /24                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| =0,8                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| - P (embarked = s / survived = 1") = 30 /48                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| > 0,62                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| -P(11-0")-15/24                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| - A ( )                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| -P (Age Cote - Adult / survived = "1") = 35/48                       | No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| - A - A -                                                            | 1615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| -P(11- = "0")=13/34                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| = 0 - 70                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

```
-P(Fare - cate = "cheaps" /scruived = 1) = 9/48
                                  = 0.18
-P(--11-0)=5/24
                                   = 0.70
                                  : 26/48
- P (sibling spouse = yes / survived = 1)
                                  = 0,54
= 0,53
- P (parent_chil = yes / survived = 1) = 16/48
                                 = 0.33
-P(--11-0)
                                  - 4/24
                                  = 0.39
c)p(x | survived = 1) =0.29 x 0.67 x 0.72 x 0.18 x 0.54 x 0.33
                     0.00415
  P(x | survived = 0) = 0.8 x 0.67 x , 0.70 x 0.70 x 0.33 x 0.30
                     =0,00043
 d) P(x | survived = 1) =0,00415 x 0.66 = 0,002 73
    P (x | survived =0) =0.00841 x 0.33 = 0.00279
es) Kesimpulari survived "o" dass 1
10) Data testing Ke 10
   Sex - male, embarked = 5. Age cate = kid, Fore cat = way thep
   sibling, spouse = no, parent, chil = yes.
   a) P((1) = P (survived 1) = 48/72
     p(ci) = p (survived 0) = 24/72
   b) p(x /ci) untuk 1 = * 1,2
    - p (sex = male | survived = 1) = 14/48
                             = 0.29
    -P(--11-0)=21/24
                             = 0.8
    - P (embarked = 5 | Survived = 1) = 30 /48
                                = 0.60
    ·P(-11-0):15/29
                                = 0.62
```

```
-P (Age-cat = kid / Survived = ",")-s /48
-P (Fore_cote = very_cheop / survived = 1) = 28/48
            11 - = 0 )= 14/29
                                   = 01500
 =P (sibling spuse = No Isuruwed = 1) = 22 /48
         11 - 16/24
 - P ( Parent_chi) = Yes / survived = 1 ) = 32/48
                                    = 0,66
 ·P(--11- = 0) = 15/24
 c.) P (x | Survived = 1) = 0.29 60,60 × 0,10 × 0.50 × 0,45 × 0,66
                      FO.00309
    P (x Isurvived = 0) = 0.8 x 0.60 x 0 x 0,58 x 0.66 x 0,60 = 0
  D) P(x | survived = 1) = 0.00309 x 0.66 =0.007
     P (x |survived = 0) = 0 KO.33 = 0
  E) Kesimpulari = Survived = 1 class=3
11) Data testing ke 11
Sex + Female, embarked + C. Age cat = Adult, Fare cost = normal
  sibling spouse = yes , parent dil - no.
  o) P (ci) = P (survived = "1") = 48 /72
     P(c) P (survived = "0") = 024/72
   b) P(x (ci) untuk 1 = 1,2
   -P (sex = Female |survived = 1) = 34/48
   -P(-11-0)=3/24
    - P (Age corte : Adult / survived = 1) = 35/48
                                  = 0.720
```

```
-P (Age cate = Adult / survived = 0) = 17/24
                                           - 0.72
-P(Fore_cate = normal/survived = 1) = 9/48
                                           = 0.14
 -P(--11-0)=2/24
                                          = 0:08
 - P (sibling spouse = yes / survived = 1 ) = 26 / 48
 -P (prost - 11- =0) = 8/24
 - P (Parent chil = no | survived = 1) = 32/48
 -P(-- 11 -- =0) = 15/34
 -P (emborked = C | survived = 1) = 17 /48
  c) P(x|survived = 1) =0.30 x0,72 x0,14x0.14 x0.66 x0.25
      P(x | survived = 0) = 0.17 x 0.70 x 0.08 x 0.33 x 0.62 x 0.33
   =0,0009

D)P(x survived = 1) = 0,0088 x 0.66=0.00 58

P(x survived = 0) = 0,0004 x 0.33 =0,0001

E) Kesimpulan survived = 1 class = 1
 12.) Dato testing ke 12

Sex = mak , embarked = S ; Age - Cout = Adult , Fore : cont = very chap

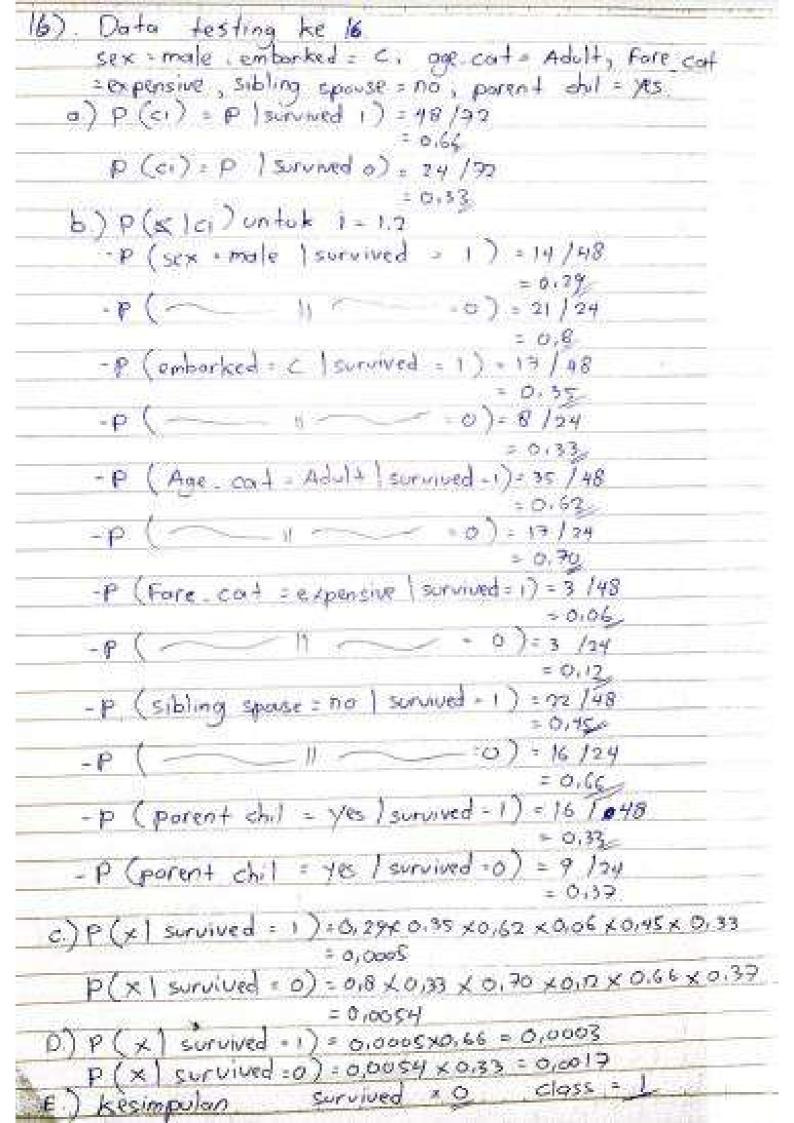
sibling spouse = no , parent : chil = no
     a) P(ci) = p (survived = "1")-48/72
         P(ci) = P (survived = 0') = 24/72
      b) P (x |ci) untuk i = 1.2
P (sex = male | survived = 1)=14/48
         P(--11 -- =0)=21/24
```

```
-P (embarked = 5 | survived =1) = 30 /48
·P(-- 1) -- 0) = 15/24
- P (Age . cate = Adult | survived = 1) = 35/48
- P(--11-10): 17/29
- P (Fore, cate = very-chepp) survived = 1) = 28/48
-P(- 14/24"
                                   50.08
 - P (sibling spouse = no | survived +1) = 22/48
 = 0.66
 -P( perent_chil = no / survived = 1) = 32/48
                                   + 0,66
 - P (parent_chil = no / survived = 0) = 15 /24
                                    1 0,62
c) P(x) survived = 1) = 0.66 K0.79 x 0.62 K0.72 K0.58 K0.95 x0
                       ₹ 0, 61 Y 7
   p (x) survived =0) = 0.8 x 0.60 x 0.70 x 0.58 x 0.66 x 0.62
                       3 010829
 d) p (x | survived = 1) = 0,01+17 x 0.66 = 0,009
     P (x 1 survived =0) =0,0824 x 0,33 = 0,271
 E) kesimpulan = survived "0" class -1
13) Data testing ke 13
    Sex+male, embarked = 5 , Age. cote = adult, Fore. cot
   = very cheap, sibling spouse = no, poren, chil = no
a) P(ci) - p (survived = 1) = 48 172
                          = 0/66
     P(ci)=P | survived =0) = $24/72
   b) P(x |ci) untuk 1 = 1.2
     -P (sex = maile | survived = 1) = 14/48
                                  -0129
```

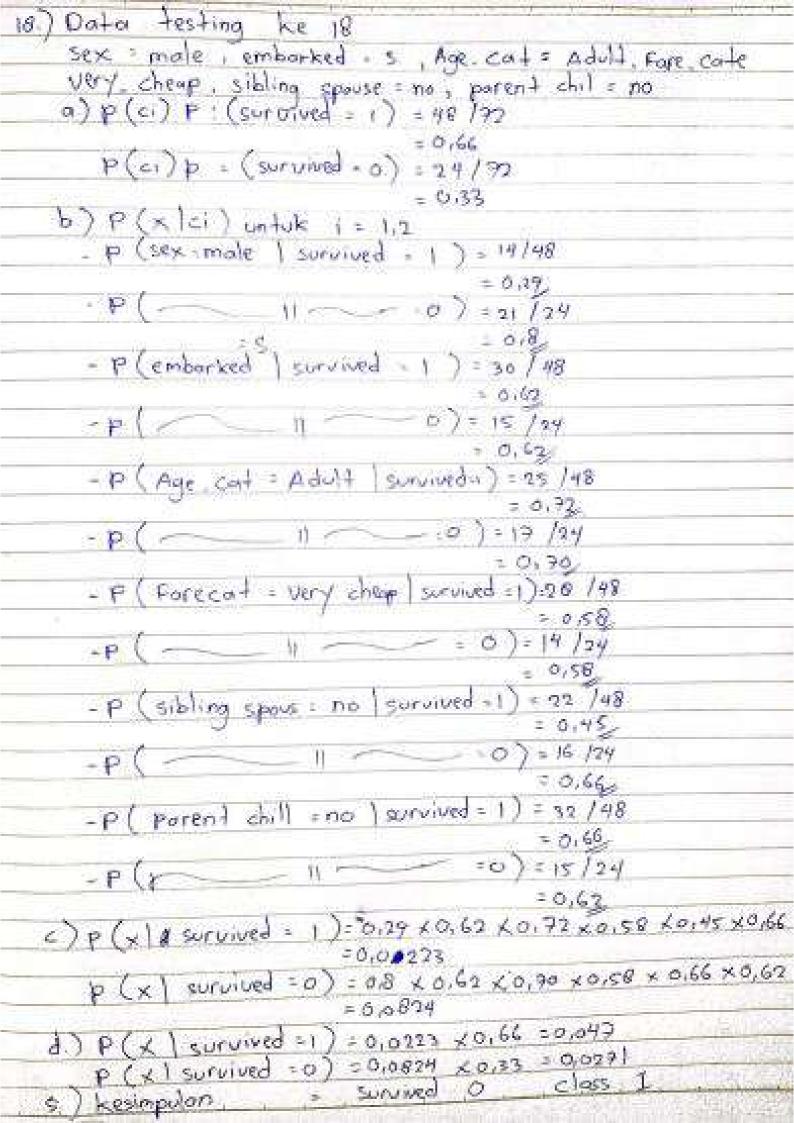
```
-P (sex = male | survived = 0) = 21/24
                             2018
-P (embarked . s | survived = 1) = 30/48
-P (Age cat : Adult | survived =1) = 35 / 48
         - 0)=17/24
                              = 0.70
 -P(Fore - oat = very dreap | survived =1) = 28/48
                                 0.58
 -P(-11-0):14/24
 -P (subling spause = no I survived =1) - 22/48
         - N - - - O) = 16/24
                                = 0.66
 - P ( parent_dni | = no | survived = 1 ) = 32 / 48
                               = 0.66
 -p(-1-1-15/24
                               = 0,62
 c) P (x1 survived = 1 20,29 x0,60 x 0,32 x0,58 x0,45 x0,66
                    =0.0723
   p (x) survived = 0) = 0.8 x 0.60 x 0.70 x 0.50 X 0,66 X 0,62
                     =0,0824
 D)P(x | survived = 1)=0,0223 x 0,66 =0,0144
    p (x | survived = 0) = 0,0824 x 0,33 = 0,0771
  s) kesimpulan : survived 'o" class = 1
14) Data testing ke 14.
  sex = make | emborked = s | Age cont = Adult | Far cont = very chapp
  a) P (ci) p = (survived . 1) = 48 /72
     P (c,) P = (survived +0) = 24/72
                              = 0.33
```

```
P (x | C1 ) untuk 1 = 1,2
-P (sex 1 male | survived 1) = 14/48
  - P ( - 11 - 0) = 21 /24
  - P (embarked = 5 | survived = 1) = 30 /48
 - p (- 11 - 0) = 15/24
 - P (Age Cost = Adult | survived) =1)= 35/48
 -P (-- 11 -- -0) = 19 /24
  -P (Fore - co + = very sheap) survived = 1).28 /48
  -P(--11- = 0):14/24
  - P (sibling spouse = no Isururued =1) = 22/48
  -P(- 11 - 0) = 16/24
  - P ( Parent chil -no. | survived = 1 ) = 32/48
  -P(- 1) -15/24
                                     · 0.63
* ) P (x | survived = 1)10,79 x 0,62 x 0,72 x 0,58 x 0,45 x 0,66
     =0.0223
P (x | survived =0) =0.8 x 0.62 x 0.30 x 0.58 x 0.66 x0.62
                       =0.0824
  D.) P (x | survived =1).0.0223 x 0,66 = 0,0147
P (x | survived =0)0.0824 x 0.33 = 0,0271
  E) kesimpulan = survived " a" class = 3
 1s.) Dato testing ke 15
    Sex = male, emborked : S, Age-Cat = Adult, Fore cont
    = very cheap, sibling spours = no , porent chill = yes
```

```
a) P(ci) P = (Survived = 1) = 48 /72
                      = 0166
  P (ci) P = (survived =0) = 24/72
                       = 0.33
b) p (x la) untuk 1 = 1.2
   P (sex = male | survived = 1) = 14/48
               11 -10)=21/24
     (emborked + 5 | survived + 1) = 30/48
   P(- 0)=15/24
   P ( Age cost = Adult | survived = 1 ) = 35 /48
      -11 - (0)=19/24
   P ( For cat = very cheap | survived = 1 ) = 28 /48
        P(sibling = no | survived =1) = 22/48
        ( parent_ch. 1 = yes | survived =1) = 16/48
                11 = =0) = 9,24
c) P(x Isurvived = 1)0.29 x0,62 x0,72 x0,50 x0,45 x0,33
                     = 0,011
    p (x | survived =0) =0,8 x 0,62 x 0,90 x 0,58 x 0,66 x 0,37
                   -0.0491
 d)p(x | survived = 1).0.0111 x0.66 = 0.0093
p(x | survived =0)=0.0491 x0.33 = 0.0162
              survived =0 class = 2
 kesimpulan
```



| 17) Data testing 17:                                                                                             |
|------------------------------------------------------------------------------------------------------------------|
| Sex = Female , embaked = s , Age cat = Adult , For cat = Very . cheep , sibling spouse = no , parent Family = no |
| Very cheap , subling spouse = no , parent family = no                                                            |
| a) P(ci) P (survived) = 1) = 48/72                                                                               |
| = 0/64                                                                                                           |
| p (ci) P (survived = 0) = 24/72                                                                                  |
| = 0.33 <sub>0</sub>                                                                                              |
| b) P(x) e1) untuk 1 = 1,2                                                                                        |
| -P (sex = Female   survived = 1) = 34/48                                                                         |
| : 6,70                                                                                                           |
| -P(-11- :0)=3/24                                                                                                 |
| = 6.12-                                                                                                          |
| -P (embarked (s ) survived = 1) = 30/48                                                                          |
| = 0.62                                                                                                           |
| -p ( - 11 - 15 / 24                                                                                              |
| = 0/62                                                                                                           |
| -P (Age_cat = adult) survived = 1):35/48                                                                         |
| . 6.72                                                                                                           |
| -P(                                                                                                              |
| = 6.70<br>- P (Fore cont = very cheap   survived = 1), 28 /48                                                    |
| = 0.58                                                                                                           |
| -P ( - ) - 19 /24                                                                                                |
| = 0.58                                                                                                           |
| -P (sibling spouse = no   survived = 1) = 22/48                                                                  |
| 30.45                                                                                                            |
| -P(- 1 - · · · · · · ) + 16/24                                                                                   |
| = 0.66.                                                                                                          |
| - p (parent chil no   survived = 1) = 32/48                                                                      |
| = 0.66                                                                                                           |
| -P (pe - 1) / =0) =15 /24                                                                                        |
| = 0,6Z                                                                                                           |
| b)p(x1 Survived = 1)=0.70 x0,62x0,72 x 0.58 x0,45 x0,66 = 0.0538                                                 |
| =0,0538<br>p(x1 survived = 0)=0,12 x 0,62 x 0,90 x 0,58 x 0,66 x 0,62                                            |
| = 0,1236                                                                                                         |
| c.) p (x   survived = 1) = 0.0538 x 0.66 = 0.0355                                                                |
| p (x   survived 10) -0,1236 x0,33 =0,0407                                                                        |
| Kesimpulan = survived to class 1                                                                                 |



```
19) Data testing ke 19
   Sex = male , embarked = s . Age . coate = Adult . Fore . coale
   = very - cheap, sibling space = no, parent chil -no
   a) p (ci) p = (survived = 1) = 48 /12
                             = 0.66
       P (ci) P = ( survived = 0) = 124/2
                             = 0,33
    b) P (x /c/) untuk i = 1,2
     - p (sex male | survived = 1) = 14 /48
     -P (-11-0)=21 /24
     - P (emborked = s | survived = 1) = 30 /48
     -P (-1) -0):15/24
     - P ( Age cont = Adult | survived = 1)=35 / 48
     -P(- 11 - -0)=17/24
     -P (F = 1) = 20 1.48
                                   = 0.58
     - P (sibling spouse and survived = 1)=14/24
     -P (- 1) - =0)=12/48
     - p (porent chil = no | survived = 1) = 16/24
     -P (-1) - = 0) = 32/48
     - P ( Fore cate = no | survived = 0)= 15/24
   c) P(x) survived = 1)=0,29 x 0,62 x 0,72 x 0,58 x 0,45 x 0,66
                      =0,6223
       P(x | survived = 0)=0,8 x 0,62 x 0,70 x 0,58 x 0,66 x 0,62
                      =0,0824
   d.) P(K survived = 1) = 0,0223 × 0,66 = 0,0199
      P (x1 survived = 0) 0,0824 x 0,33 = 0,0251
  e) kesimpulan - survived - 0 class + 1
```