| *     | mini | Index :-    | 433.403 | A FILL STAFF S | 409 40    |                 |
|-------|------|-------------|---------|----------------|-----------|-----------------|
|       | RID  | age I all   | income  | student        | credit    | buys - Computer |
|       | 7    | Youth min   |         | no.            | fair      | no              |
|       | 2    | youth in    | high    | no. 11         | excellent | no              |
|       | 3    | middle aged | high    | 200            | fair      | 405             |
|       | 4    | senior      | medium  | 100°           | fair      | yes             |
|       | 5    | Senior      | 1000    | 405            | fair      | 405             |
|       | 6    | Senior      | 1000    | 465113         | excellent | no              |
| 0     | 7    | middle aged | 10W 8   | 405            | excellent | 466             |
|       | 8    | Youth       | medium  | no             | fair      | no              |
|       | 9    | Youth       | 100     | 405            | fair      | yes             |
|       | OF   | Semior 1    | medium  | olyes or       | fair      | 465             |
|       | 33   | Youth:      | medium  | syes -         | excellent | yes             |
| 1 3 1 | 72   | middle aged | medium  | no             | excellent | 465             |
|       | 73   | middle aged | high    | 405            | fair      | 465             |
|       | 74   | Senior      | medium  | no             | excellent | no              |
|       |      |             |         |                |           |                 |

| SHAME THE PERSON NAMED IN |                 |       |                     |  |
|---------------------------|-----------------|-------|---------------------|--|
| •                         | Buys - computer | count | . 3/3/. 6/50        |  |
|                           | N yes W         | 9.    | 5:) 45              |  |
|                           | no              | 5     |                     | =  |
|                           | 2 (02 1)        | TH .  | 3166 35 3 308 70 70 |  |
| -                         |                 | . 9   |                     | A STATE OF THE STA |

$$mini(D) = 1 - \left(\frac{q}{14}\right)^2 - \left(\frac{5}{14}\right)^2$$

= 0.4592

|      | *>    | Age Attribute Gubset   |
|------|-------|--|
|      |       | 2 Youth, middle 3, 2 Semior y<br>2 Youth, Semior 3, 2 middle 3<br>2 middle, Semior y, 2 Youth y  |
|      |       | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |
|      |       | Distinct value yes no total  |
|      |       | Youth 2 3 5  |
|      |       | middle 4 0 4   |
|      |       | Senior 3 2 5   |
| F    |       | THE THE STATE OF T |
| 3413 |       | F-32 330 851 4350 6  |
|      | -     | trini Age & youth, middle 3 (D) =  |
| 3397 |       | $\frac{9}{14}\left(\frac{7}{4}-\left(\frac{6}{9}\right)^2-\left(\frac{3}{9}\right)^2\right)+\frac{5}{14}\left(\frac{7}{4}-\left(\frac{3}{5}\right)^2-\left(\frac{2}{5}\right)^2\right)$  |
| 3412 | 34 35 | JH. (9) (9) JH (5) (5)   |
| 34.5 |       | 1767 AND MET BYEN WINDOWS FOR  |
|      | 2 -   | = 0.4571   |
|      | -     | chini Age & youth, Seniory (D)=  |
|      |       | $\frac{10}{14}\left(\frac{1}{1}-\left(\frac{5}{10}\right)^2-\left(\frac{5}{10}\right)^2\right)+\frac{14}{14}\left(\frac{1}{1}-\left(\frac{1}{10}\right)^2-\left(\frac{1}{10}\right)^2\right)$  |
|      |       | 74 (10) (10) 74 (4) [4]  |
|      | =     | 0.3571   |
|      | -     | chini Age 5 middle, seniory (D) =  |
|      |       | 9 [ 1 - [ 7 ] 2 - [ 2 ] 2 ] + 5 [ 1 - [ 2 ] 2 - [ 3 ] 2 ]  |
|      |       | $\frac{9}{14} \left( \frac{1}{7} - \left( \frac{7}{9} \right)^2 - \left( \frac{2}{9} \right)^2 \right) + \frac{5}{74} \left( \frac{1}{7} - \left( \frac{2}{5} \right)^2 - \left( \frac{3}{5} \right)^2 \right)$  |
|      |       | ist / ist  |
|      | =     | 0.3937   |
|      |       | 2026 0 -   |
|      |       |  |

| ======================================= | Income Attribute Subset   |  |  |  |  |  |
|---|---|--|--|--|--|--|
|   | 5 High, Medium 3, 5 10 w 3  |  |  |  |  |  |
|   | 5 High, 10w 3, 5 Medium 3<br>5 Medium, 10w 3, 5 High 3  |  |  |  |  |  |
|   |   |  |  |  |  |  |
|   | Distinct value 425 no Total   |  |  |  |  |  |
| 0                                       | Medium 4 2 6  |  |  |  |  |  |
|   | 1000 : 3 7 4  |  |  |  |  |  |
|   | 11. 12. 12. 12. 12. 12. 12. 12. 12. 12.   |  |  |  |  |  |
|   | mini Income 5 High, Medium 3 (D) =  |  |  |  |  |  |
|   | 10 (1-(6) <sup>2</sup> -(4) <sup>2</sup> ) + 4 (1-(3) <sup>2</sup> -(1) <sup>2</sup> )  |  |  |  |  |  |
|   | $\frac{10}{14} \left( \frac{1 - \left( \frac{6}{10} \right)^2 - \left( \frac{4}{10} \right)^2}{10} \right) + \frac{4}{10} \left( \frac{1 - \left( \frac{3}{4} \right)^2 - \left( \frac{1}{4} \right)^2}{4} \right)$ |  |  |  |  |  |
|   |   |  |  |  |  |  |
| =                                       | 0.4929 SANTERIA PRILOR SILVED COT CO  |  |  |  |  |  |
|   | crimi Income & High, 10Wy (D) =   |  |  |  |  |  |
|   | 8 ( 1 - (5)2 - (3)2) + 6 (1 - (4)2 - (2)2)  |  |  |  |  |  |
|   | $\frac{8}{14}\left(\frac{1}{3}-\left(\frac{5}{8}\right)^{2}-\left(\frac{3}{8}\right)^{2}\right)+\frac{6}{14}\left(\frac{1}{3}-\left(\frac{4}{6}\right)^{2}-\left(\frac{2}{6}\right)^{2}\right)$                     |  |  |  |  |  |
|   |   |  |  |  |  |  |
| =                                       | 0.4583  |  |  |  |  |  |
| 7.4                                     | : (a) Profitor Albaca figica -  |  |  |  |  |  |
| -5                                      | coini Tricome 5 Medium, low's (D) = $\frac{1}{2}$   |  |  |  |  |  |
| 10                                      | $\frac{10}{14} \left( \frac{1}{1} - \left( \frac{7}{10} \right)^2 - \left( \frac{3}{10} \right)^2 \right) + \frac{14}{10} \left( \frac{1}{1} - \left( \frac{2}{4} \right)^2 - \left( \frac{2}{4} \right)^2 \right)$ |  |  |  |  |  |
|   | 74 ( 70) (70) 10 ( 4)   |  |  |  |  |  |
|   | 0. 4429   |  |  |  |  |  |
|   | 9%C1 0 3  |  |  |  |  |  |
| VISION                                  |   |  |  |  |  |  |

| <b>=</b>      | For Student Attribute  |     |
|---------------|--|-----|
|               | yes no total   |     |
|               | Va. 2  |     |
|               | 200 3 1 4 7  |     |
|               | 74   |     |
|               | 16° ° 01 1001 000 000 000 000 0000 0000  |     |
|               | Chini Student (D) = $\frac{7}{74}\left(\frac{7}{7}-\left(\frac{6}{7}\right)^2-\left(\frac{7}{7}\right)^2\right)$ |     |
|               | 0 10 00 00 00 000  |     |
|               | 10 to P + (100)  |     |
|               | ( , ,2 , ( ,, ,2 )   |     |
|               | $\frac{7}{74}\left(\frac{7}{7}-\left(\frac{3}{7}\right)^2-\left(\frac{4}{7}\right)^2\right)$                     |     |
| / O/\ O       | THUE CHOOL THOUSE CONTRACTOR OF CHANGE   |     |
|               | = 0.03673  |     |
|               |  |     |
| $\Rightarrow$ | For credit rating Attribute  |     |
|               |  |     |
|               | yes No Total   |     |
| 1 19 1        | Excellent 3 3 6  |     |
| ( ( ) )       |  |     |
|               | 1 74   |     |
|               | 40° ° 000 1° 1 000 CD ) =  |     |
| -             | mini credit rating (D) =   | 2 _ |
| . 3/ 2/ 2     |  |     |
| ( ,; )        |  |     |
|               | $\left(3\right)^{2}$   |     |
|               | (61)).   |     |
| =             | 0.4286   |     |
|               |  |     |

| Attribute     | orini Index | A เก๊าท์                 |
|---------------|-------------|--------------------------|
| Age           |             | 0.4592 - 0.3571 = 0.7027 |
| Income        |             | 0.4592 - 0.4429 = 0.0163 |
| student       | 0. 3673     | 0.4592 - 0.3673 = 0.0919 |
| Credit Rating | 0. 4286     | 0.4592 - 0.4286 = 0.306  |

Age

Youth senior

middle-aged

|     | (All the second |         |      |       |  |
|-----|---|---------|------|-------|--|
|     | Income  | 5+uden+ | CR   | C1955 |  |
|     | High  | No      | Fair | No    |  |
|     | High  | No      | EX.  | No    |  |
|     | Medium  | NO      | Fair | No    |  |
|     | Low   | yes     | Fair | yes   |  |
| -   | Medium  | ye5     | EX.  | yes   |  |
| -   | Medium  | No      | Fair | yes   |  |
|     | Low   | yes     | Fair | yes   |  |
| -   | Low   | yes     | Ex.  | No    |  |
|     | Medium  | 465     | Fair | yes   |  |
|     | Medium  | NO      | EX.  | No    |  |
| 180 |   |         |      |       |  |

| Income | Student | CR   | class | 1 |
|--------|---------|------|-------|---|
| High   | No      | Edir | 405   |   |
| Low    | yes     | EX.  | ye5   |   |
| Medium | No      | FX.  | 405   |   |
| High.  | yes     | Fair | 405   |   |