Varianta 13. Aflați clasa instanței necunoscute prin metoda vecinilor celor mai apropiați

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| N d/o | Credite | Statut marital | Venit anual | Frauda |
| 1 | Nu | Casatorit | 60000 | Nu |
| 2 | Nu | Necasatorit | 70000 | Nu |
| 3 | Nu | Casatorit | 75000 | Nu |
| 4 | Nu | Necasatorit | 85000 | Da |
| 5 | Nu | Necasatorit | 90000 | Da |
| 6 | Nu | Divortat | 95000 | Da |
| 7 | Nu | Casatorit | 100000 | Nu |
| 8 | Da | Casatorit | 120000 | Nu |
| 9 | Da | Necasatorit | 125000 | Nu |
| 10 | Da | Divortat | 220000 | Nu |
|  |  |  |  |  |
| 11 | Da | Divortat | 90000 | ? |

D(1,11) = 1 + 1 + abs(( 60000-90000 )/( 220000-60000 )) = 1+1+ 0.1875=2.1875

D(2,11) = 1 + 1 + abs((70000-90000 )/( 220000-60000 )) = 1+1+ 0.125=2.125

D(3,11) = 1 + 1 + abs(( 75000-90000 )/( 220000-60000 )) = 1+1+ 0.09375=2.09375

D(4,11) = 1 + 1 + abs(( 85000-90000 )/( 220000-60000 )) = 1+1+ 0.03125=2.03125

D(5,11) = 1 + 1 + abs(( 90000-90000 )/( 220000-60000 )) = 1+1+0=2

D(6,11) = 1 + 0 + abs(( 95000-90000 )/( 220000-60000 )) = 1+0+ 0.03125=1.03125

D(7,11) = 1 + 1 + abs(( 100000-90000 )/( 220000-60000 )) = 1+1+ 0.0625=2.0625

D(8,11) = 0 + 1 + abs(( 120000-90000 )/( 220000-60000)) = 0+1+ 0.1875=1.1875

D(9,11) = 0 + 1 + abs(( 125000-90000 )/( 220000-60000 )) = 0+1+ 0.21875=1.21875

D(10,11) = 0 + 0 + abs(( 220000-90000 )/( 220000-60000 )) =0+0+ 0.8125= 0.8125 Frauda=Nu