16MI31022 Bhende Dhaneal Dhanray

Algorithm four Puoblem on juzzy logic:

Step 1 : start

Take the tues our purzes in vouvable AIBIC step2:

Declare the 3×3 matrix R3 and step3:

calculate the matrix as per membership

rule as follows.

Step4:

rectour 1 bloat 7 mat a Hout x > 3 neito & A blocat > mat; mat. push\_back (chep(x)), mat push - back ( medium (x); most-push-back ( expensive(x)); oreturn mat;

stup6: calculated 3 Junction cheap(x), medium(x) expensine (x) as a used abone.

> cheap(x): if parice x = 8000 seturn I ib(x 72000 to <=35000) neturn (35000-x) /35000-8000) else return 0.0;

> medium(x); if \$x < 8000 return 0 epocit (x >8000 ft x 7512000) acturn (x-8000/21500-8000) else if (x > 21500 88 x <= 35000) retur (35000 × /35000 - 215000) ehe getun o

else if (xx8000) neturn 0.0; else if (xx8000 88 x631000) return (x-0000) [35000-8000) else seturn 1.0.

stept: Declared Mouhuix Rg [37[3] and calculated for and Re [37[3] as per arisen in doex

steps: Declared Mather's R4[3][3] and calculated by doing min-max product of R3 and RI

step9: Delared Matirity RS-[3][3] and calculated
by doing min-may publich of R4 and R2,

stepto: Accounding to demand by gitel, dewised sules got calculated the preferred burds boy for the given girl. ors

step 11: It RS [D] is maximum

Boy with can A to be choosed

TO RS-[1][0] is maximum

TO BE Choosed

The RS-[2][0] is maximum

TO BE choosed

The RS-[2][0] is maximum

The RS

2. 18 60 00 60 8 4 4 5-02

Step12: END.