0m shree 20060 FT

(Aner)

Sample (A) P1 4 (B) 12 2 3 CC) P3 The state of the state of 4 (D) P4 3 CE) PS 2 CF) P6 8. 5

K-mens dustering (k=2)

k= 2

S1: A: 4,5

F: 8,5

· For B: -

AB = J 8

BF = 540

: B jains A => P2 -> P1

52: AB: 3,4

F: 8,5

· For c: -

ABC = V2

FC = J20

:. c joins AB => P3 -> P1,P2

S3: ABC: 3.5, 3.5

F: 8,5

· For 2:-

ABLD = JO.S

FA = J26

:. Djains ABC => P4 -> P1P2P3

S4: ABCA: 3.25, 3-75

P: 8,5

· For E:-ABCAE = J8.125

FE 2 510

:. E joins ABCA => P5-5 PIPZ P3 P4

final culters:

1 P1 P2 P3 P4 P5

custer 1

( P6 ? | 8,5 ;

clusters

Ant 2) Sample 4 PI 3 2 P2 4 P3 3 PY 3 4 15 5 6 PL 8 5-

## Single Link technique:

96 P3 P4 PI P2 0 91 2.828 0 12 2 0 2 13 1.414 1.414 0 pu 1.414 4.243 3.162 2.8280 P5 6.325 4.472 5.099 3.162 96 4

P1 P4 P2 P3 PT P6

P3 1.414 2 0 P3 1.414 2 0 P5 1.414 4.243 3.162 0 P6 4 6.325 4.47 5.099



