$$d(D_1,C_2) = 5.10$$
  
 $d(D_1,C_3 = 6.71$ 

$$d(D, C_3 = 6.71$$

$$D_2 = (56)$$
  
 $d(D_2, C_1) = 3.61$ 

$$D_{4} = (3,4)$$

| D6 $d(D6,C1) = 3.61$ $d(D6,C2) = 5.10$ $d(D6,C3) = 2.24$ |
|--|
| D7  d(D7,C1) = 5.83  d(D7,C2) = 6.08  d(D7,C3) = 2       |
| D8<br>d(D8,C1)= 8.06<br>d(D8,C2)= 5.66<br>d(D8,C3=3      |
| m(2.14,1.41,2.1,1.41,2.24,2,3) =3                        |
|  |
|  |

Exercises. Case A. centres (3,4.5) (6,1.5) (9,5) min-distances. (1,6) = 2.06(24)3) = 2.06(3,4) = 0.5(5,2) = 1.12 (7,1) = 1.41 (8,7) = 2.29 (10,3) = 2.24 max - distance = 2.24 distortion. - 2.06 +2.06 +2.5 + 2.242+1.12 + 1.412 + 2292+2.242/8 = 3.38 case B (1.61, 4.83) (6.6,6.5) (22/3,2) centres = Man Zdi

min-distance

$$(5,2)$$
 -2.33

man-distance = 2.85

distortion = 
$$(1.8^{2} + 1.49^{2} + 1.87^{2} + 2.83^{2})^{2}/8$$
  
+  $(1.05^{2} + 1.58^{2} + 2.85^{2})^{2}/8$   
=  $3.37$