Apply the Hieranchical chustering algorithms
to cluster the following data:

créteria is minimum distance belivéen two

cities.

	BA	FI	MI	NA	RM	To
	0	662	877	255	412	996
BA	662		295	468	268	400
MI	877	295	0	754	569	138
NA	255	468	759	0	219	869
RM	412	268	5.64	219	0	669
To	996	400	138	869	669	0
				11		1:0/0-

The above table contains the dislances believe two cities (The names of the cilies are abbreviated). Solution: Given that the criteria of clustering is minimus distance between two cittes. So we start geouping of ethose cities who have minimum distance between them

(MI, 70) = 138

	BA	FI	MI	NA	RM	170
BA	0	662	877	285	412	986
FF	662	O	295	468	268	400
MI	877	295	0	754	564	(138)
· NA	255	468	754	6	219	869
RM	412	268	564	219	0	669
To	986	400	(138)	869	669	0

	BA	PP	MI/TO	NA	RM
BA	0	662	877	255	412
FI	66	0 /2	295	468	268
M2/70	8.,	77 285	0	759	569
NA	2	55 46	8 754	D	(219)
RM	4	412 2	68 564	(219)	10

	BA	FI	MI/TO	NAIRM
BA	0	662	872	(633)
FI	662	0	295	268
MI/70	877	295	0	564
NAIRM	255	268	564	0

	BA/NA/RM	FI	MI/70
BA/NA/RM	0	(268))) 564
F2	(268)	O	295
M2/70	564	295	0

	BA/NA/RM/PI	MI/TO
BA/NA/RM/FI	0	295
M2/70	295	.0

