

1-2	A	B	C	D	E	F
A	0	10.04	45.27	60.4	50.8	25.17
B	10.04	0	35.22	50.35	40.79	15.13
C	45.27	35.22	0	15.13	6.4 20.09	
D	60.4	50.35	15.13	0	10.19	35.22
E	50.8	40.79	6.4 20.09	10.19	0	25.7
F	25.17	15.13	20.09	35.22	25.7	0

$$AB = \sqrt{(1-2)^2 + (20-10)^2} = 10.04$$

$$BC = \sqrt{(2-6)^2 + (55-20)^2} = 35.22$$

$$AC = \sqrt{(1-6)^2 + (55-10)^2} = 45.27$$

$$BD = \sqrt{(2-8)^2 + (70-20)^2} = 50.35$$

$$AD = \sqrt{(1-8)^2 + (70-10)^2} = 60.4$$

$$BE = \sqrt{(2-10)^2 + (60-20)^2} = 40.79$$

$$AE = \sqrt{(1-10)^2 + (60-10)^2} = 50.8$$

$$BF = \sqrt{(2-4)^2 + (55-20)^2} = 15.13$$

$$AF = \sqrt{(1-17)^2 + (55-10)^2} = 25.17$$

$$CD = \sqrt{(6-8)^2 + (60-55)^2} = 15.13$$

$$DE = \sqrt{(8-10)^2 + (60-70)^2} = 10.19$$

$$CE = \sqrt{(6-10)^2 + (70-55)^2} = 20.09$$

$$DF = \sqrt{(4-8)^2 + (55-70)^2} = 35.22$$

$$CF = \sqrt{(6-4)^2 + (55-55)^2} = 2$$

$$EF = \sqrt{(10-9)^2 + (35-60)^2} = 25.7$$

3-5)

$$CE = 6.4$$

$$AB = 10.04$$

$$DE = 10.19$$

$$FAB = 15.13$$

$$FABDCE = 25.7$$

$$AB = 10.04$$

$$DE = 10.19$$

$$CDE = 15.13$$

$$FCE = 20.09$$

$$ABFCE = 25.17$$

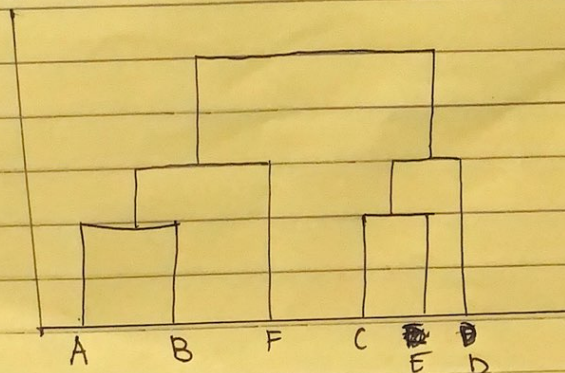
$$CE = 6.4$$

$$AB = 10.04$$

$$DCE = 10.19$$

$$FAB = 15.13$$

$$FABDCE = 20.09$$



G. Cluster ~~AB~~ ~~AB~~ are low rollers who spends time and money casually in the casino since they spend about \$10-35 per visit, while the BCs are High rollers those who are VIP's that spend a lot of time and money per visit a month spending less - 70 per visit.

10.0	2.0	12.0	1.0	13.0	0.0
10.0	2.0	12.0	1.0	13.0	0.0
10.0	2.0	12.0	1.0	13.0	0.0
10.0	2.0	12.0	1.0	13.0	0.0
10.0	2.0	12.0	1.0	13.0	0.0
10.0	2.0	12.0	1.0	13.0	0.0

$$BC = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$BD = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$DE = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$EF = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$AB = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$AC = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$AD = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$AE = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$AF = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$DE = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$DF = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$EF = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$CD = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$CE = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$CF = \sqrt{(10-2)^2 + (12-2)^2} = 10.4$$

$$CE = 10.4$$

$$CF = 10.4$$

$$DE = 10.4$$

$$DF = 10.4$$

$$EF = 10.4$$

$$AB = 10.4$$

$$AC = 10.4$$

$$AD = 10.4$$

$$AE = 10.4$$

$$AF = 10.4$$

$$CE = 10.4$$

$$CF = 10.4$$

$$DE = 10.4$$

$$DF = 10.4$$

$$EF = 10.4$$

A B C D E F