Y. Ramya 2203A52064 29/61/25

2=[1,23,4,5,12,13,76]

Y=[2,5,56,23,12,1,9,50]

A=[9,8,6,7;34,12,12]

B=[12, 13, 16, 1, 18, 19]

C = [12, 78,3,7,8,5,23]

D= [34,6,7,8,9,90,23]

1) 2=[1,2,3,4,5,12,13,76], positistem

1,2111 8,8,0 012 = 4+5 = 4.5 F $\Theta_{1}=2$ $\Theta_{3}=13$ -14.5 $\frac{\Theta_{1}}{2}$ $\frac{\Theta_{2}}{4.5}$ $\frac{\Theta_{3}}{13}$

IBR= 03-01=13-2=1

Minimym = 0, - I ar + 1.5

= 2 - 11 * 16.5

Mazimum = ag + IAR *1.5

= 29.5

= 13-+11 * 1.5 Range [-14.5, 29.5]

Except 76' every element is in the range 76 is the outles.

2) Y= [2,5,56,23,12,1,9,50]

[1,2,5,9,12,23,50,56]

Q2 = 9+12 = 10.5

01 = 2

93=50

IOR = 03 -01

= 50 - 2

= 48

Minimum =
$$\Theta_1 - IQR * 1.5$$
= $2-12$

MaxProum = $\Theta_3 + IQR * 1.5$
= $56 + 72$
= 122

No outliers

3) $A = [9.5, 6.7, 34, 12.15]$
 $[6.71.8, 9.12.15.34]$
 $\Theta_2 = 9$
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$$Max = 18.5 + 12 \times 1.5$$

= 36.5
No out Pers.

$$M_{1}^{2}n = 5 - 18 \times 1.5 \quad M_{1}^{2}n \quad \theta_{1} \quad \theta_{12} \quad \theta_{13}$$

$$= 18 - 22 \quad -22 \quad 5 \quad 8 \quad 23 \quad 50$$

78 95 outlies.

6)
$$\Omega = [34,6,7,8,9,90,23]$$

 $[6,7,8,9,23,34,90]$

$$Max = 34 + 27 \times 1.5$$