- **Division**

$[a_1, a_3](/)\ [b_1, b_3] = [a_1/b_1 \wedge a_1/b_3 \wedge a_3/b_1 \wedge a_3/b_3\ ,$

$a_1/b_1 \vee a_1/b_3 \vee a_3/b_1 \vee a_3/b_3\ ]$

Except $b_3 = 0$ او $b_1 = 0$

- **Inverse interval**

$$[a_1, a_3]^{-1} = [\frac{1}{a_1} \wedge \frac{1}{a_3}\ ,\ \frac{1}{a_1} \vee \frac{1}{a_3}]$$

Except $a_3 = 0$ او $a_1 = 0$

- **Multiplication scalar value to the interval $a \in R$**

$$a\ [b_1, b_3] = [a \cdot b_1 \wedge a \cdot b_3\ , a \cdot b_1 \vee a \cdot b_3]$$

Not *:::* $\wedge$ *min* , $\vee$ *max*

Characteristics of arithmetic operations in closed intervals

Let $A=[a_1,a_2]$,$B=[b_1,b_2]$, $C=[c_1,c_2]$, $0=[0,0]$,$1=[1,1]$

The characteristics are as follows:-

1- $A+B=B+A$, $A.B=B.A$

2- $(A+B)+C=A+(B+C)$, $(A.B).C=A.(B.C)$