Q <sub>2</sub> .
O zero vertor [0] is in V became b=0:
D zero vector $[0]$ is in $V$ became $b=0$ :  D for $U = [b_1]$ and $V = [b_2]$ in $V$ .  Take
Take
Being in V means that $b_1 > 0$ and $b_2 > 0$ ?  So. $u + v = \begin{bmatrix} a_1 + a_2 \\ b_1 + b_2 \end{bmatrix}$ $b_1 + b_2 > 0$
So. u+V=[an+az] - b+b> 70
[b1+b2]
The sum of two elements of $V$ is again in $V$ .  3 If $t$ is any scalar, the $t = \begin{bmatrix} ta_1 \\ tb_1 \end{bmatrix}$ bizo
Ltb,]
however, when t<0 and b,>0 tb,<0
which means that $tb_1 = b < 0$ At this time $tU$ closs not in $V$
At this time tu cloes not in U
So According above, it is not true.
J