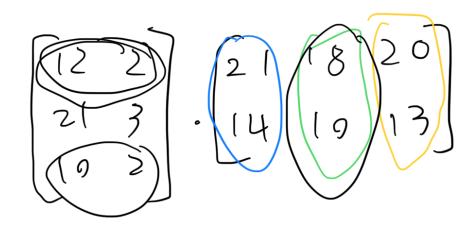
$$\alpha$$
. $\begin{bmatrix} -1 & -1 \\ 1 & 1 \end{bmatrix}$ and $\begin{bmatrix} -1 & 1 \\ -1 & 1 \end{bmatrix}$



$$252+28$$
 289
 $441+42 = 485$
 $210+28 = 238$
 $2(b+20) = 236$
 $378+30 = 408$
 $378+30 = 408$
 $390+20 = 200$
 $390+20 = 266$
 $420+39 = 426$
 $390+20 = 266$
 $420+39 = 426$
 $390+20 = 266$
 $390+20 = 266$
 $390+20 = 266$
 $390+20 = 266$
 $390+20 = 266$
 $390+20 = 266$
 $390+20 = 266$

$$AB = \begin{pmatrix} 280 & 236 & 266 \\ 483 & 408 & 459 \\ 238 & 200 & 226 \end{pmatrix}$$

AB(3,2) = 200. 200 is the total cost for Dlant 2 to a ssemble & Package heads

D. : 1001

Be cause the sum of the total cost is the longst at plant 2

$$A \times = \begin{bmatrix} -1 \\ -3 \end{bmatrix} \rightarrow A \times = \times$$

$$\chi = \begin{bmatrix} -1 & 3 \\ 2 & 1 \end{bmatrix} \begin{bmatrix} -1 & 3 \\ -1 & 1 \end{bmatrix}$$

$$= \begin{pmatrix} 1 & 1 & 9 \\ 2 & 0 & 15 \\ -1 & -1 & 0 \end{pmatrix}$$

$$C. CA = \begin{bmatrix} 1 & 2 & -1 \\ 3 & 1 & 1 \end{bmatrix}$$

$$(AA^{-1} = (-13)(1-13)$$

$$60 = \begin{bmatrix} 6 & 2 & 1 \\ 4 & -2 & 14 \end{bmatrix}$$

C, Since A-1 J B are inv. then det(A-1) \$\neq 0, \det(B) \neq 0 :. let (A'B)= det (A') det(B) x0 : ATA is invertible

$$C, \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix} \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix} = \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$$

But det (co) is O...

Sa fulse

7.
$$(A^{-1})_{=}(-A^{-1})_{=}($$

$$A^{\dagger} = -A$$
.

So it's true.

