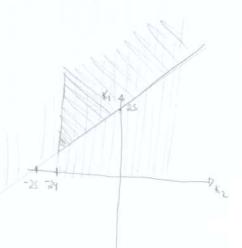
$$\begin{array}{ll}
\textcircled{1} & \mu = -[K_1 \quad K_2]_X + \pi \\
\mathring{x} = A_X + \beta(-K_X + \pi) & = \begin{cases}
\mathring{x} = (A - \beta K)_X + \beta \pi \\
\mathring{y} = C_X
\end{cases}$$

$$(A-BK) = \begin{bmatrix} 1 & 1 \\ 0 & -as \end{bmatrix} - \begin{bmatrix} 0 \end{bmatrix} \begin{bmatrix} 1 \\ 1 \end{bmatrix} \begin{bmatrix} 1 \\ -K_1 & -as-K_2 \end{bmatrix}$$

$$24+K_2>0 \Rightarrow K_2>-24$$

 $K_1-K_2-25>0 \Rightarrow K_1>K_2+25$



$$\frac{y = C(\Delta J - A + BK)B}{K} = [2500 \ O] \cdot 1$$

$$\frac{3}{5} + (24 + K_2)_5 + K_1 + K_2 - 25$$

$$\frac{3}{5} + (24 + K_2)_5 + K_1 + K_2 - 25$$

$$\frac{3}{5} + (24 + K_2)_5 + K_1 - K_2 - 25$$

$$Z^{7}-27-Z=Z^{7}-3Z=\frac{2}{(b-1)^{2}}-\frac{3(b+1)}{(b-1)^{2}}-\frac{3(b+1)}{(b-1)}=\frac{b^{2}+2b+1}{(b-1)^{2}}-\frac{3b-3}{(b-1)}=\frac{b^{2}+2b+1}{(b-1)^{2}}-\frac{3(b+1)(b-1)}{(b-1)^{2}}=\frac{2}{(b-1)^{2}}$$

=)
$$\frac{z}{(b-1)^2}$$
 = $-2z^2+2z+4$ =0 =) $2z^2-2z+4$ =0

$$X_1 = Y \Rightarrow x_1 = y = X_2$$

$$X_1 = Y \Rightarrow X_1 = y = X_2$$

$$X_2 = y \Rightarrow X_2 = y = M - 3y - 2y = M - 3x_2 - 2x_1$$

$$\begin{bmatrix} x_1 & 7 & 6 & 7 & 6 \\ 2 & 7 & 6 & 7 & 6 \\ 2 & 7 & 6 & 7 & 6 \end{bmatrix}$$

$$\begin{bmatrix} \mathring{x}_1 \\ \mathring{x}_2 \end{bmatrix} = \begin{bmatrix} 0 & 1 \\ -2 & -3 \end{bmatrix} \begin{bmatrix} \chi_1 \\ \chi_2 \end{bmatrix} + \begin{bmatrix} 0 \\ 1 \end{bmatrix} u$$

$$det(sJ-A+6K) = s^{2} + (3+Kz)s + 2+K_{1} =) 3+K_{2}=2 - |K_{2}=-1|$$

$$|K=[2] = 17$$

$$2+K_{1}=4 - |K_{2}=2|$$