lect 3 Example 3.2

$$A : observab; i : ty$$
 $A = \begin{bmatrix} 1.1 & -0.3 \\ 1 & 0 \end{bmatrix} \quad C = \begin{bmatrix} 1 & -0.5 \end{bmatrix}$

Solution $W_0 = \begin{bmatrix} C \\ CA \end{bmatrix} = \begin{bmatrix} 1 & -0.5 \\ 0.6 & -0.3 \end{bmatrix}$
 $CA = \begin{bmatrix} 1 & -0.5 \end{bmatrix} \begin{bmatrix} 1.1 & -0.3 \\ 0.6 & -0.3 \end{bmatrix} = \begin{bmatrix} 0.6 & -0.3 \end{bmatrix}$
 $\begin{bmatrix} 1.1 & -0.5 & = 0.6 \\ 0.6 & -0.3 \end{bmatrix} = -0.3 + 0.5 \times 0.6 = 0$

not observable