P290. Example B.1. V 号 n 阶矩阵全体组成的 LS. メ 号 V 上的 LT: 中 XX = AX. A 为 n 阶矩阵. 本的 又 S A 有相关单 相同 eig values.

for X. $it's X=> (X_1, X_2, ..., X_h)$. Xi is k^n . $CAX = CA(X_1, X_2, ..., X_h)$. $= (CAX_1, AX_2, ..., CAX_h)$. $RHS = AX = A(X_1, X_2, ..., X_h)$. $= (AX_1, AX_2, ..., AX_h) = \lambda_0(X_1, X_2, ..., X_h)$. $AX_1 = AX_1 = AX_1 = \lambda_0 X_1$. $AX_2 = AX_1 = AX_2 = \lambda_0 X_1$.