Example 5.4 Q u*(k)? x*(k)? k=1,23 comment? A=[[]] B=[]]]=== [XT (k) @ x(k) tru ck] Q=[0] r=1 x0=[0] ulk) = -Kx(k) K = (BTSB+R) TBTSA R=1=1 S>0 S=ATSA +Q - ATSB [BTSB+R]TBTSA Solution let S= [S11 S12] 代入分出 S12=1 Szz = Su -> Choose S11 = 3.7713 $S = \begin{bmatrix} 3.7913 & 1 \\ 1 & 1.7913 \end{bmatrix}$ 应为要正定 从:20 K= [1 0.79137 可主 X(1) X(2) --- X(30) ·- X(20)