

8.9

$$|a_{12}| + |a_{13}| < a_{11}$$

$$|a_{21}| + |a_{23}| < a_{22}$$

$$|a_{31}| + |a_{32}| < a_{33}$$

$$\text{SO } S_1, S_2, S_3 < 1$$

IT FOLLOWS THAT THIS IS TRUE
FOR ANY n