[= 3./O). A= (2 3)  $- det(A) \neq 0$ det(A) = det(4x)= 2 (x-1) to be invertiblely, As Elsons and Jet(A)+0 2(x-1)!=0. suchtlut xEP: 6. 0:-6. forallx

An adjugate matrix is essentially

(Z sign  $\times$  minor.)

Let matrix A be E  $R^n \times n$ .  $TBP: |adj(A)| = (|A|)^{n-1}$   $|adj(A)| = (|A|)^{n-1}$ 

|A||adj(A)| = (/A|)<sup>n</sup>.

if |A| = () then

THE LHS #12HS.

But it isimpossible since Ais an invertible nxn.

[adj(A)] = (|A]) 1-1