Proof: (ase 1: Suppose A has as a left invarie; then there exists a notified a which that CA = I. Now consider the homogeneous system $A = \bar{0}$. If \bar{g} is any uol, then $A = \bar{0}$. If $\bar{g} = \bar{0}$.

The proof of $\bar{g} = \bar{0}$ is $\bar{g} = \bar{0}$.

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	openous system An=D has only trivial soll
Multiplying on the o	invotible. B Furthermore I = CA = ATA, As ight by AT, we get C=AT
such that AD	a right inverse; then there exists a matrice D.
(AD) D7 = 10	1 65 A = D 1
Thus, A weily	The invited notife metrice is itself