





| DA hos n pivot positions. |
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| 3 The equation Ax = 5 has only trival solution. |
| $A\overrightarrow{X} = 0 \longrightarrow A^{-1} \cdot A \overrightarrow{X} = A^{-1} \cdot \overrightarrow{0} \cdot \longrightarrow \overrightarrow{X} = \overrightarrow{0} \cdot $ |
| # & B & R . AZ = b has at beast one solution. |
| AR = T -> R = A-1 t |
| The columns of A from a lin incl set. |
| 13 The columns of A from a basis of 12". |
| The lin trans $7(\overline{x}) = A\overline{x}$ is one-to-one. |
| $ 8 \text{ null } (A) = \begin{cases} \overrightarrow{o} \end{cases} $ |
| |
| 3 dim (null (A)) = 0 |
| (D) The lin trans 7(R)=AR is onto. |
| 1) The columns of A spans 112 n. |
| $\mathbb{D} \operatorname{col}(A) = \mathbb{R}^n$ |
| B dim(col(A)) = n |
| (4) rank (A) = n |
| (1) There is an nxn motrix C s.t. C-A=I. |
| (1) There is an non matrix D s.t. AD=I. |
| ① A ⁷ is an invertible matrix. |
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