## SVD Decomposition.

$$= V(S^{T}S)V^{T}$$

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$$= V_{value} V^{T}S^{T}A^{T}A$$

$$=)AA^{T} = u \sum_{i} V^{T}(v \sum_{i} u^{T})$$

$$= u(\sum_{i} \sum_{j} u)$$

## example 2:

