Step-1

Let A be a 64 by 17 matrix of rank 11.

Therefore the echelons form of A having 11 pivot columns remaining 6 columns are free columns.

Therefore there are six variables are free in $Ax = 0$

There are $\boxed{\text{six independent}}$ vectors satisfy $Ax = 0$.

Step-2

A^T is a 17 by 64 matrix of rank = 11

Therefore the echelon form of A having 11 pivot columns. Remaining 55 columns free columns thus there are 55 variable are free in $A^T y = 0$

There are $\boxed{\text{55 independent}}$ vector satisfy $A^T y = 0$.