

There are two nontrexoo Raws (or equivalently two leading 1's). The Row space and column space are both Two dimensional,

So Rank (A) = 2.

=> toz Dullity:

 $M_1 - 4X_3 + 28X_4 + 37X_5 - 13X_6 = 0$ $M_2 - 2X_3 - 12X_4 - 16X_5 + 5X_6 = 0$ $M_1 = 4X_3 - 28X_4 - 37X_5 + 13X_6$ $M_3 = 2$, $M_4 = 3$, $M_5 = 1$, $M_6 = 1$ $M_1 = 42 - 283 - 371 + 134$ $M_2 = 2X_3 + 12X_4 + 16X_5 - 5M_6$ $M_2 = 2Z_1 + 12S_2 + 16t_3$

NI		142-285-37t+134
7(2		22 +125 + 16t -54
28	=	· R
NY		S
25		t
16		4