Step-1

Suppose the first and last columns of a 3 by 5 matrix are the same (non zero). So, x_1 is pivot and x_5 is $\boxed{free}$ variable.

Step-2

In the solutions to $Rx = 0$, one group of unknowns contains the pivot variables, corresponding to columns with pivots. The other group is made up of the free variables, corresponding to columns without pivots. Reverse their signs to find the pivot variables (not free) in the special solutions.

Step-3

So, the value of variable x_1 is -1 and the value of variable x_5 is 1.

i.e. $(x_1, x_2, x_3, x_4, x_5) = (-1, 0, 0, 0, 1)$

Therefore, the special solution for this variable is $\boxed{(-1, 0, 0, 0, 1)}$.