

To solve $Ax=b$, first use the myLU function for the LU factorization of matrix A. This will decompose A into a lower triangular matrix L and an upper triangular matrix U, such that $LU=A$. After we obtain this decomposition apply the fwdSubst function to solve for y in the equation $Ly=b$. Next, using the result from fwdSubst as y, we can use the backSubst function to solve for x in the equation $Ux=y$. As a result vector x will contain the solution to $Ax=b$.