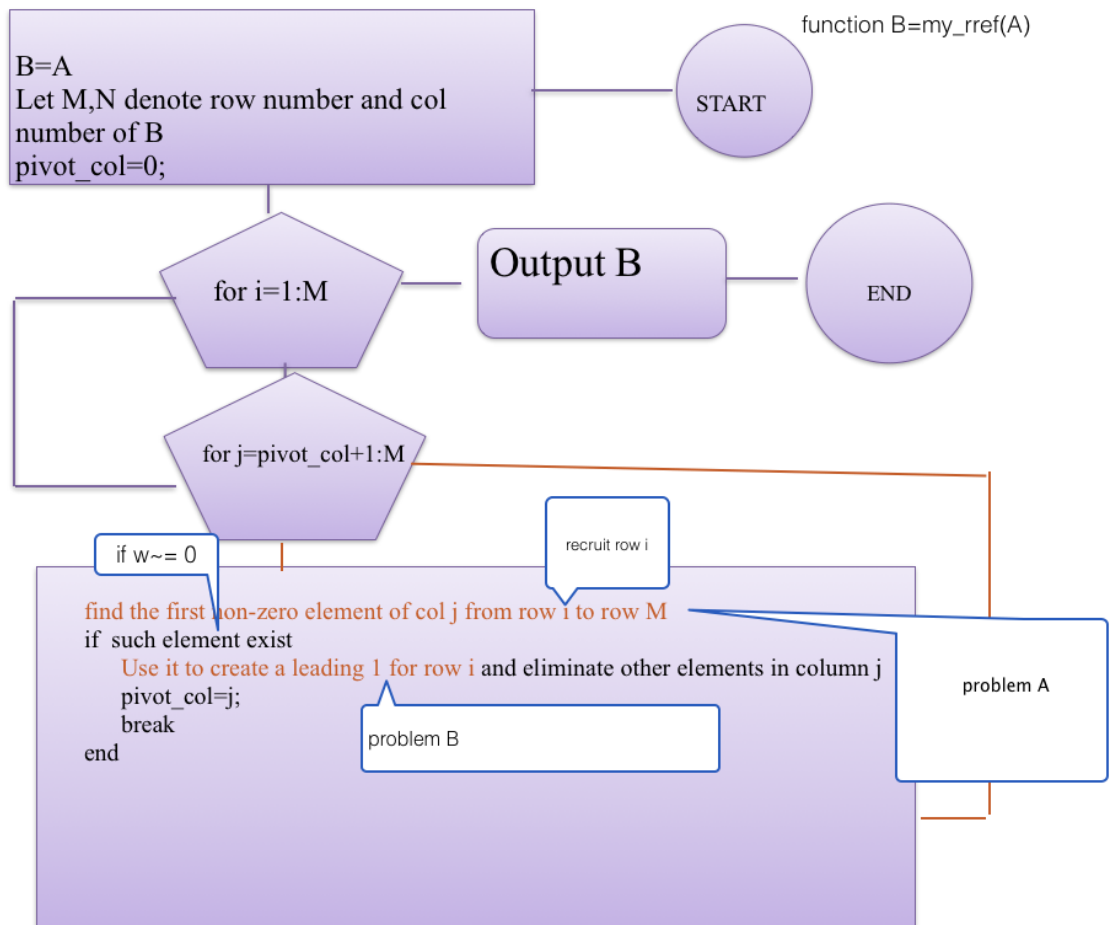


1. Consider the following flow chart



- A. Write codes to resolve “find the first non-zero element of col j from row i to row M”.
  - B. Write codes to resolve “Use it to create a leading 1 for row i”
2. Write codes to implement my\_rref
  3. (100 points) Test my\_rref with
    - A.  $A=[0\ 0\ 2\ -2;3\ 3\ -3\ 9;4\ 4\ -2\ 11]$ ;  $b=[2\ 12\ 12]$ ;my\_rref([A b'])
    - B.  $A=[3\ -3\ 3\ ;2\ -1\ 4\ ;3\ -5\ -1]$ ;  $b=[9\ 7\ 7]$ ;my\_rref([A b'])
    - C.  $A=[1\ 2\ -1\ 3;2\ 4\ -2\ 7\ ;-1\ -2\ 1\ -4\ ]$ ;  $b=[4\ 10\ -6]$ ;my\_rref([A b'])
    - D.  $A=[1\ 1\ 5\ ;0\ 1\ 3\ ;1\ 2\ 8\ ]$ ;  $b=[3\ -1\ 3]$ ;my\_rref([A b'])
    - E.  $A=[1\ -1\ -2;2\ -3\ -5;-1\ 3\ 5]$ ; my\_rref([A eye(3)])
    - F.  $A=[1\ 1\ 5;1\ 2\ 7;2\ -1\ 4]$ ; my\_rref([A eye(3)])