

compiler?)

(d) This subroutine is supposed to rotate the rows of array **B** by one position (i.e., row 1 goes into row **M**, row 2 goes into row 1, ... and row **M** goes into row **M-1**). The array **C** is used for temporary storage.

```

      SUBROUTINE ROTATE (B, M, N, C)
      DIMENSION B (M, N), C (N)
      DO 24 I = 1, N
      C (I) = B (M, I)
      B (M, I) = B (1, I)
24    CONTINUE
      MM = M - 2
      DO 34 I = 1, MM
      DO 34 J = 1, N
      B (I, J) = B (I + 1, J)
34    CONTINUE
      DO 44 I = 1, N
      B (M - 1, I) = C (I)
44    CONTINUE
      RETURN
      END

```

Rewrite the subroutine so it rotates a column at a time instead of a row at a time. Which is easier?