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MAIN
BEGIN
    CREATE gameWon ← FALSE
    CREATE holes ← generateHoles()
    PRINT "Find the Rabbit!"
    printHoles(holes, gameWon)
    WHILE (!gameWon)
        PRINT "Pick a hole (0-9): "
        CREATE guess ← READ
        IF (holes[guess] == 'R') THEN
            gameWon ← TRUE
        ELSE
            holes[guess] ← 'X'
        ENDIF
        printHoles(holes, gameWon)
    ENDWHILE
    PRINT "You found the rabbit!"
END MAIN

METHOD generateHoles ()
BEGIN
    CREATE holes[10]
    CREATE rabbit ← random(10)
    FOR i ← 0 to holes.Length
        IF (i == rabbit) THEN
            holes[i] ← 'R'
        ELSE
            holes[i] ← ' '
        ENDIF
    END FOR
    RETURN holes
END generateHoles

METHOD printHoles (parameters: holes, gameWon)
BEGIN
    FOR i ← 0 to holes.Length
        PRINT "|"
        IF ((holes[i] == 'R' && gameWon) || holes[i] == 'X') THEN
            PRINT holes[i]
        ELSE
            PRINT " "
        ENDIF
    END FOR
    PRINTLINE "|"
END printHoles

```