# OF INPUTS ENTERED ARE NOT A PERFECT SQUARE

NO

ARE THE PROPER # OF INPUTS ENTERED?

USER ENTERS INPUTS

YES

DOES EACH # BETWEEN 1-N APPEAR ONLY & AT LEAST ONCE

NOT ALL #’s APPEAR OR THEY APPEAR MORE THAN ONCE

NO

YES

DO ALL ROWS SHARE THE SAME SUM

THE NxN MATRIX IS NOT A MAGIC SQUARE

NO

NO

THE NxN MATRIX IS NOT A MAGIC SQUARE

YES

DO ALL COLUMNS SHARE THE SAME SUM

YES

THE INPUTS PROVIDED CREATE A MAGIC SQUARE!

NO

THE NxN MATRIX IS NOT A MAGIC SQUARE

YES

DO BOTH DIAGONAL PATHS SHARE THE SAME SUM