1. Reduce to the first, fourth, and fifth words of the answer.
2. Swap the second and third letter.
3. One letter appears twice in the string. Take the first occurrence of this letter and replace it with a copy of the first letter in the string.
4. One letter appears twice in the string. Take the first occurrence of this letter and replace it with T .
5. Swap the 6th letter and the second to last letter.
6. Take the last letter and replace it with the letter that appears directly to its left in a QWERTY keyboard. Do the same with the fifth letter.
7. Hey, Look! McDonald's! Replace HL with MC.
8. Replace the second to last letter with a copy of the fifth letter.
9. Replace the fifth letter with the letter that immediately precedes it in the alphabet.
10. Swap the second and seventh letters.

Create a $3 \times 3$ Magic Square with the digits 1-9 such that each row, column, and diagonal sums to the same number.


$$
\begin{gathered}
\sqrt{5-1} \\
4 \times(9-3) \\
\sqrt{2 * 5^{2}-1} \\
2^{3}-3 \\
\frac{42 \times 4}{7} \\
\frac{12^{2}-23}{11} \\
3^{2}
\end{gathered}
$$

Use the ANSWER PASSED TO YOU from each city.


Take the ANSWER PASSED TO YOU and black out the first appearance of each letter, reading row by row, left to right, top to bottom. If the letter appears twice in the ANSWER PASSED BACK TO YOU, black out the first two occurrences of that letter.

Solve the grid as a Light Up puzzle by placing lightbulbs ( 8 ) satisfying the following constraints:

- Every non-blacked out square must be lit.
- A square is lit if it is in the same row or column as a lightbulb ( $(8)$ with no blacked out squares directly between them.
- A number in a square indicates how many bulbs share an edge (not diagonally) with that square.
- No bulb may light another bulb.

| $\mathbf{T}$ | $\mathbf{C}$ | $\mathbf{E}$ | $\mathbf{M}$ | $\mathbf{L}$ | $\mathbf{S}$ | $\mathbf{1}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{O}$ | $\mathbf{S}$ | $\mathbf{P}$ | $\mathbf{Y}$ | $\mathbf{L}$ | $\mathbf{1}$ | $\mathbf{A}$ |
| $\mathbf{C}$ | $\mathbf{U}$ | $\mathbf{2}$ | $\mathbf{T}$ | $\mathbf{R}$ | $\mathbf{V}$ | $\mathbf{I}$ |
| $\mathbf{H}$ | $\mathbf{2}$ | $\mathbf{N}$ | $\mathbf{I}$ | $\mathbf{H}$ | $\mathbf{L}$ | $\mathbf{R}$ |
| $\mathbf{W}$ | $\mathbf{P}$ | $\mathbf{U}$ | $\mathbf{0}$ | $\mathbf{E}$ | $\mathbf{F}$ | $\mathbf{G}$ |
| $\mathbf{M}$ | $\mathbf{Y}$ | $\mathbf{A}$ | $\mathbf{S}$ | $\mathbf{2}$ | $\mathbf{R}$ | $\mathbf{M}$ |
| $\mathbf{U}$ | $\mathbf{0}$ | $\mathbf{A}$ | $\mathbf{D}$ | $\mathbf{K}$ | $\mathbf{W}$ | $\mathbf{Y}$ |


|  | $\bigcirc$ | 4 |  |  |  | 6 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 3 | 6 |  | 2 | 1 |  | $O$ |
| 2 | 6 |  |  | 9 |  |  | 3 | 8 |
|  | 2 |  |  | 8 |  |  | 1 |  |
|  |  | 6 | 6 | 9 |  | 7 | 5 |  |
|  | 3 |  |  | 2 |  |  | 9 |  |
| 9 | 5 |  |  | 1 |  |  | 6 | 4 |
|  |  | 2 | 5 |  | 4 | 9 |  |  |
|  |  | 1 |  |  |  | 2 |  |  |

