the griddle
handcrafted logical fun

2023 Day 17
#PuzzleAdventCalendar
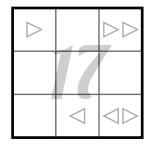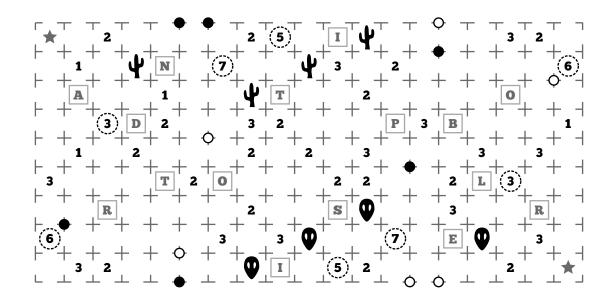
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Each shape has a value from 1 to 9. Use sudoku logic to help determine each shape's value and the values that need to go in the squares in the grid.

The digits in the cages must multiply to the provided products.

56x
45x
144x

Today's feature puzzle is an Area 51 puzzle. Create a single fence loop visiting EVERY node in the grid. The loop may not split or dead-end.

A cell containing a digit must be surrounded by that many pieces of fence.

Circled numbers must be inside the loop and show how many cells can be seen up, down, left, and right (including itself) between that cell and the nearest fence.

Cacti cells must be on the outside of the fence. Alien cells must be on the inside of the fence.

On darkened circles the fence must have a 90 degree turn with straight sections before and after.

On white circles the fence must continue straight with a turn before and/or after the circle.

Upon completion, extract a word from the grid and save it for later.