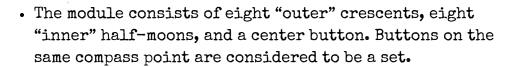
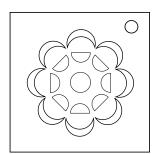
## On the Subject of The Moon

I've waited long enough now for them all to come around; and though the sun may plead and threaten, the moon will stand her ground! So say goodnight to this, the final setting of the sun; tomorrow dawns in darkness. The night-time has begun!





- Four adjacent sets start out lit, four unlit. We will refer to them as "lit l-4" and "unlit l-4" in clockwise order.
- Find the correct button for each set by calculating a value x as directed by the left table below, then look up its modulo-7 value in the right table.

| lit 1   | D batteries          |
|---------|----------------------|
| lit 2   | AA batteries         |
| lit 3   | Digits in serial     |
| lit 4   | Port plates          |
| unlit 1 | Modules              |
| unlit 2 | Consonants in serial |
| unlit 3 | Indicators           |
| unlit 4 | Ports                |

| x % 7 | Button |
|-------|--------|
| 0     | outer  |
| 1     | outer  |
| 2     | outer  |
| 3     | inner  |
| 4     | inner  |
| 5     | center |
| 6     | center |

• Determine the first set to solve by taking the sum of the serial number digits modulo 4 and using the following table.

| 0       | 1       | 2       | 3       |
|---------|---------|---------|---------|
| unlit 4 | unlit 1 | unlit 2 | unlit 3 |

• The next 6 sets are determined by the characters in the serial number. For each character, move to the next set as directed below:

| 013578ACEGHJLMOQSTVXY | 2 steps clockwise        |  |
|-----------------------|--------------------------|--|
| 2469BDFIKNPRUWZ       | 2 steps counterclockwise |  |

If this moves you onto a solved set, continue moving a single step in the given direction until you reach an unsolved set.

- The final set is the last set that remains.
- The module will be solved once you have correctly pressed eight buttons or when you have pressed the center button.