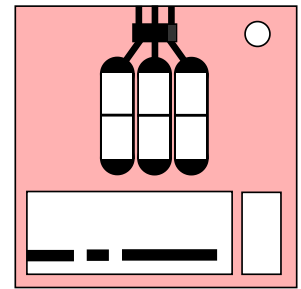


On the Subject of Minimizing Morsematics

Get it? Because it's a cheatsheet! I'll see myself out...

Take the 4th and 5th character of the serial number. They will be referred to as **A** and **B** respectively.

Always keep all numeric values between 1-26.



Perform each step below in sequence, modifying **A** and **B**:

- For every ind. that matches a received letter, +1 to **A** if it's lit or otherwise +1 to **B**.
- If **A + B** is square, +4 to **A**; otherwise, -4 to **B**.
- +Largest received letter to **A**.
- -Any prime received letters to **A**.
- -Any square received letters to **B**.
- For any received letters that are / # Bat., - from both **A** and **B**.

After performing all steps, perform whatever rule applies below:

- **A = B**: Transmit **A**.
- **A > B**: Transmit **A - B**.
- **A < B**: Transmit **A + B**.

Perfect squares. Prime numbers.

Letter	#	-#	Morse	Letter	#	-#	Morse
A	1	-25	..	N	14	-12	..
B	2	-24	----	O	15	-11	----
C	3	-23	----	P	16	-10	....
D	4	-22	---	Q	17	-9	---.
E	5	-21	.	R	18	-8	...
F	6	-20	....	S	19	-7	...
G	7	-19	---	T	20	-6	-
H	8	-18	....	U	21	-5	..-
I	9	-17	..	V	22	-4	...-
J	10	-16	-----	W	23	-3	...-
K	11	-15	---	X	24	-2	---.
L	12	-14	....	Y	25	-1	-----
M	13	-13	--	Z	26	0	----