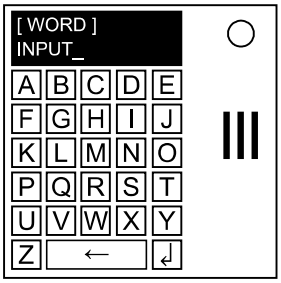
On the Subject of Word Encryption



After all, is this device electronic or mechanical? What are the gears doing?

- Identify the encrypted form of the given word.
- The encryption is done by replacing each letter with the letter that is a certain offset away in the alphabet.
- Use the keyboard to input the correct encrypted letter based on the current offset.
- Press the "↲" submit button when the encrypted word is typed.
- Submiting an incorrect word will generate a new word to decrypt and reset the offset to its initial value.

Offset

Each time a letter is pressed, the offset value is changed by the **variation** value. Meaning that the first encrypted letter offset is the initial offset value, the second encrypted letter offset is the initial offset value plus the variation value, and so on.

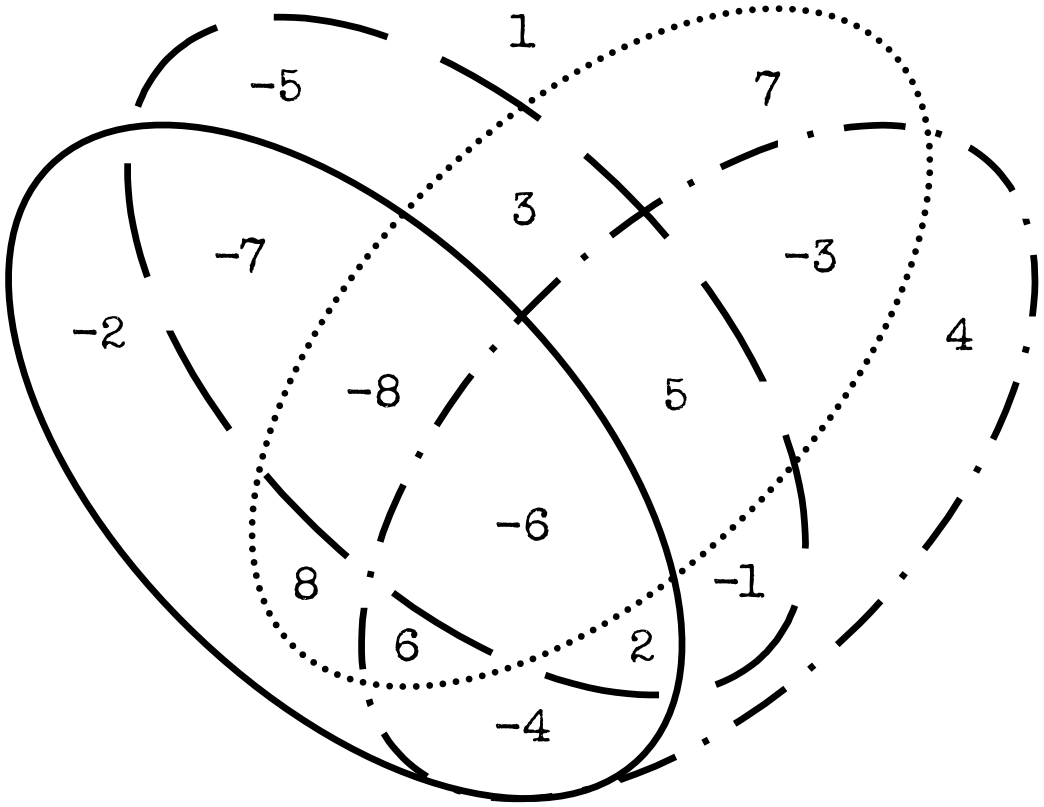
The offset value is **accumulative**, therefore, deleting a letter will not retrocede the offset.

To **reset the offset** to its initial value, use the "←" backspace button until all gears on the right rotate together.

- Refer to **Initial Offset** for the initial offset value.
- Refer to **Variation** for the variation value.

Initial Offset

The initial offset value is determined by the following venn diagram:



Line	Description
———	Bomb has one of the following ports: • Stereo RCA • PS/2
.....	Bomb has a type D battery.
— — —	Bomb has a type AA battery.
— · — · —	Serial number contains a vowel.

Variation

The variation value is determined by the indicators **present** on the bomb.

- In case of multiple indicators, the variation value is the sum of the variation values of all indicators present on the bomb. **Do not** sum indicators from the same group.
- For example, if the bomb has SND, CLR, and NSA indicators, the variation value is +3.
- Use the following table to determine the variation value:

Indicator	Variation	Group
SND	+1	A
CLR		
CAR		
IND	-1	B
FRQ		
SIG		
NSA	+2	C
MSA		
TRN		
BOB	-2	D
FRK		
None	+1	-