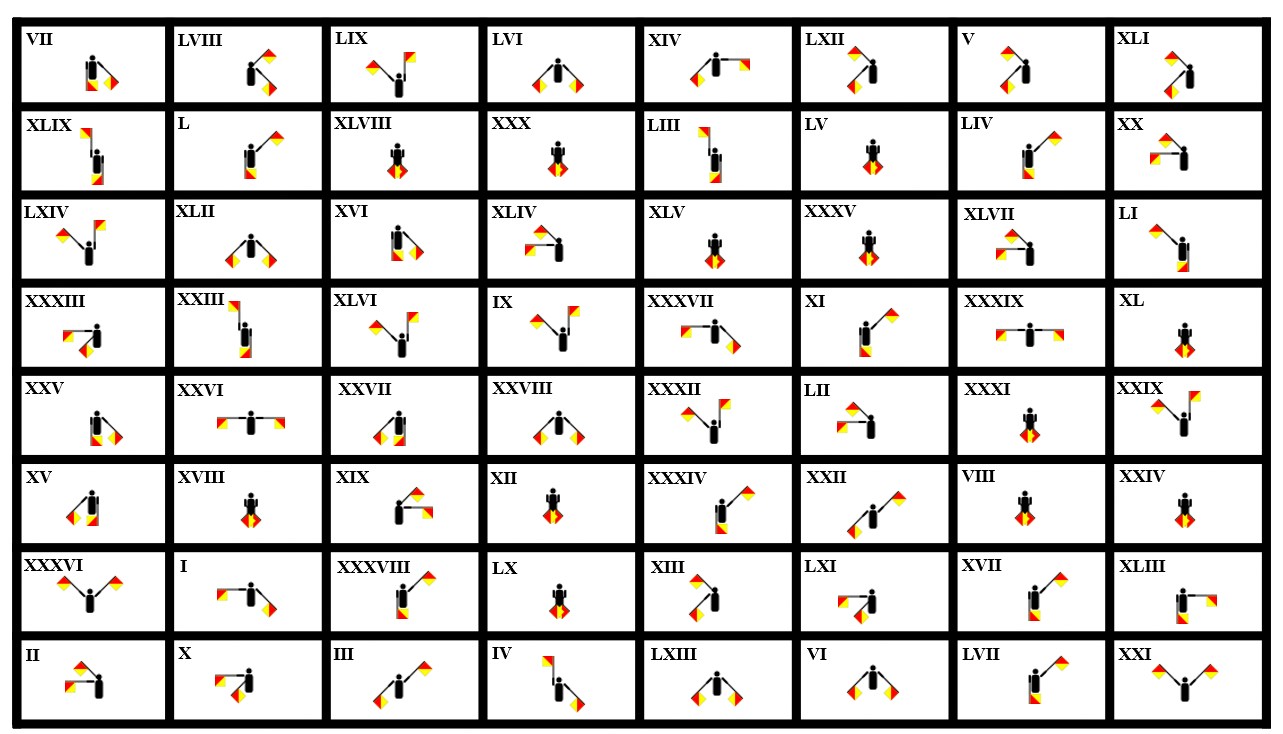
In this CTF challenge, we were given an image containing the following:



Each box contains a roman numeral and a semaphore flag signal.

Translate the roman numerals to numbers and we derive this table:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | 58 | 59 | 56 | 14 | 62 | 5 | 41 |
| 49 | 50 | 48 | 30 | 53 | 55 | 54 | 20 |
| 64 | 42 | 16 | 44 | 45 | 35 | 47 | 51 |
| 33 | 23 | 46 | 9 | 37 | 11 | 39 | 40 |
| 25 | 26 | 27 | 28 | 32 | 52 | 31 | 29 |
| 15 | 18 | 19 | 12 | 34 | 22 | 8 | 24 |
| 36 | 1 | 38 | 60 | 13 | 61 | 17 | 43 |
| 2 | 10 | 3 | 4 | 63 | 6 | 57 | 21 |

Decode the image using the semaphore flag signals and we get

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| G | X | T | N | M | I | I | I |
| D | E |  |  | D |  | E | O |
| T | N | G | O |  |  | O | C |
| H | D | T | T | S | E | R |  |
| G | R | A | N | T | O |  | T |
| H |  | W |  | E | L |  |  |
| U | S | E |  | I | H | E | F |
| O | H | L | V | N | N | E | U |

There, we sort the roman numerals in ascending order, giving us this message.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S | O | L | V | I | N | G |  |
| T | H | E |  | I | M | A | G |
| E |  | W | O | U | L | D |  |
| G | R | A | N | T |  |  | T |
| H | E |  | U | S | E | R |  |
| I | N | F | O |  | T | O |  |
| D | E | C | O | D | E |  | N |
| E | X | T |  | H | I | N | T |

The hidden message is:

“**SOLVING THE IMAGE WOULD GRANT THE USER INFO TO DECODE NEXT HINT”**

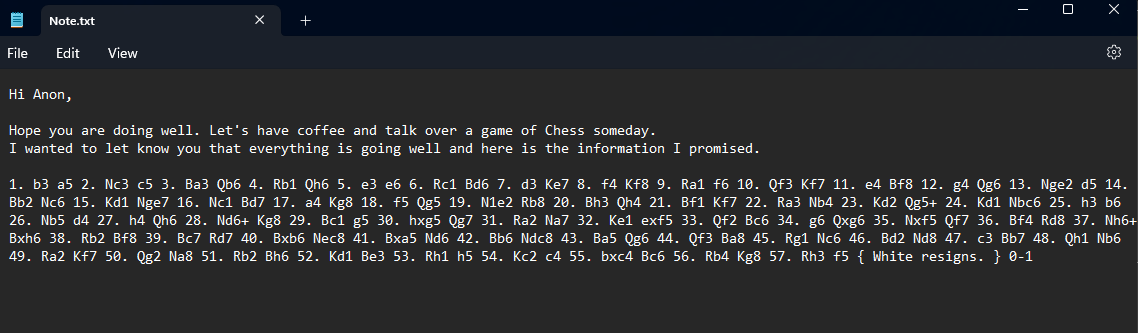
If we look at the first column of the 8x8 board used to get the hidden message, we see a hint that guide us to using ‘steghide’ to find the hidden files in the image.



Utilizing steghide, we require a passphrase to process further. Fortunately, the passphrase was given to us through the previous puzzle.



Checking the note, we will see a hidden message, this time encoded using chess stenography:



Using an online chess steganography decode, we get the flag.

Graphical user interface, text, application

Description automatically generated

Flag: CZ4067{Ch3Ss\_1s\_FuN}