

Storyline

Once upon **a** time, in a small and lively village, **a** witch casted a bonkers spell on Shjonathan, causing him to become a lunatic. Shjonathan, who was the village protector, found himself hiding in his room day after day. **Due** to this, his **once** peaceful jurisdiction suffered as **crimes** began to pop up like mischievous sprites.

In order to save the village, Flora, a skilled potion maker, set out to concoct a potion to cure Shjonathan from the spell. Based on the symptoms, she combined **two** cuts of **horseradish**, a **first** and **third** piece of **olive**, **a** seed of **jalapeno**, **a** slice of **kelp**, two whole tomatoes, a leaf of fennel, a chunk of wheatgrass, a pinch of oregano, and a stalk of scallion and brewed it with her cauldron.

Upon finishing, **she** offered the potion to him and **he** took a sip. However, **the** potion proved itself ineffective as it didn't bring the slightest improvement to Shjonathan's **bonkers** behaviour.

Undeterred, she then decided to **consult** her family's ancient spell book and **found** an encrypted key ingredient that could break any witch's spell. **Given** the following clues, she had to decrypt the puzzle: Do Task 1 RSA

-----After completing Task 1-----

After finding out the key ingredient, Flora concocted another potion and offered it to Shjonathan. Upon drinking it, Shjonathan came back to his senses. However, he started acting weirdly... He became shy! His eyes would often gaze down, appearing as if he lost his confidence.

Upon revisiting her family's spell book, Flora made a startling discovery. She found that the blend of the key ingredient and **all the ingredients that she had added to the potion** had unknowingly bestowed Shjonathan with a touch of (*plaintext*).

Using the Vigenere Cipher, solve the flag.

Ciphertext: (get clues from the text and hint from Task 1)

Key: (get from Task 1)

Flag: plaintext