Task 07-01

- Decipher ciphertext2.txt and copy the unencrypted contents to a new text file called plaintext2.txt

- Upload your **plaintext2.txt** file to the BNL QIS101 SharePoint site

Task 07-02

- Develop a Python program named **board_encoding.py** that can decode a given integer representation of a specific configuration of a **Tic-Tac-Toe** board

- For a board square, a **zero** (0) indicates the square is open, a 1 represents an **X** and a 2 represents an **O**

- Your code should draw the decoded board as text, unless you feel like using matplotlib to graphically draw the board

- Display the three boards encoded as 2271, 1638, and 12065 respectively

- Upload your solution to the BNL QIS101 SharePoint site

Task 07-02

Hint

Board Number: 2271
[0, 1, 0]
[0, 1, 0]
[0, 1, 0]

Board Number: 1638
[0, 0, 2]
[0, 2, 0]
[2, 0, 0]

Board Number: 12065
[2, 1, 2]
[2, 1, 1]
[1, 2, 1]

Input interpretation

convert 12065 to base 3

Result

121112212_3