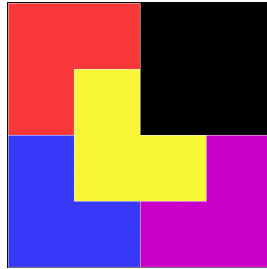# COMP 361
Assignment 1

Read section 5.1 from TrominoesFromBook.pdf and complete the following exercises.

1 CORE (65 %)

Do the following chapter exercises first:

- 5.1 and 5.2 (20%)
- 5.5 (10%)

Then proceed with the following section 5.1 exercises:

- 1S, 2, 3, 4S (10%)
- 5S (10%)
- 6 (5%)
- 7 (10%)

2 COMPLETION (30%)

- 8S (10%)
- 9 (10%)
- 10 (10%)

3   CHALLENGE (5%—up to 15% with bonus)

- 11S (5%)

- 12 (5%)

- 13 (5%)

4   Submission

Submit everything electronically. For the theoretical part, you can use any format (e.g. latex), including scanned handwriting.

Exercises 5.1 and 5.2 require implementation.

- The drawing involves graphics (rather than textual console). Paint every neighboring (8-connectivity) trominoes in different colors (e.g. five color theorem).

- You may use any language and any 2D graphics package.

- Submit your code.

- Use your code to generate results for Section 5.1 relevant exercises (when asked to show specific things); submit images.

- Pseudo code is enough for all other questions.