

CMSC 651, Spring 2018, University of Maryland
Project, due as PDF to the address *cmsc651.umd@gmail.com* by 11:59PM on May 10, 2018

Notes: (i) Please work on this with your group (one writeup per group). Consulting other sources (including the Web) is not allowed. (ii) Write your solutions neatly and *include your names*; if you are able to make partial progress by making some additional assumptions, then **state these assumptions clearly and submit your partial solution**. (iii) **Please make the subject line of your email “651 Project”** followed by your full name, and email a PDF to *cmsc651.umd@gmail.com*: PDF generated from Word or LaTeX strongly encouraged.

0. Read Chapter 5 of the Blum-Hopcroft-Kannan book (“BHK” below) posted in Resources up to, and including, the end of Section 5.14. *This is a fair amount of material, so start early! It is also fun.*

1. Exercise 5.2 from BHK. **(10 points)**
2. Exercise 5.3 from BHK. **(10 points)**
3. Exercise 5.6 from BHK. **(10 + 10 + 5 points)**
4. Exercise 5.7 from BHK. **(15 points)**
5. Exercise 5.8 from BHK. **(10 + 10 + 10 points)**