Project 2: Divide and

Conquer & Greedy Problems

# Due Date

Included in the announcement.

# Project Options and Assignment

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| --- | --- | --- |
| Option | GWid ends in | Problem |
| A | **1** or **6** | Matrix Multiplication |
| B | **2** or **7** | Closest pair of points (2D) |
| C | **3** or **8** | Overlapping rectangles problem |
| D | **4** or **9** | Convex hull |
| E | **5** or **0** | Hoffman Coding |

For more details, please see: <http://www.notexponential.com/notes/projects/project-2/>

# Submission

1. Write-up explaining key implementation characteristics.
2. Numerical results for different input sizes. (Chart that indicates time complexity.)
3. Submit **one (1)** **printed** page in class (standard letter size), you can use both sides of paper front and back, but **no staples** (1 page maximum, just like Project 1).
4. Please write your name, GWid and GWmail.
5. Submit any code via Vocareum.