Student Name：**Jiachen Luo (001061582)**

**INFO 6205**

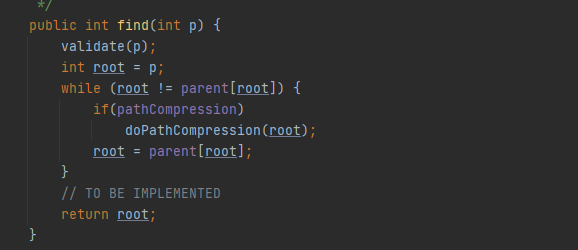
**Program Structure & Algorithms**

**Spring 2021**

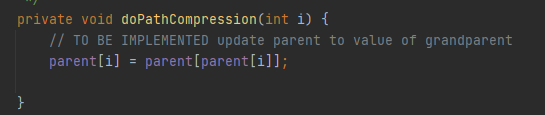
**Assignment3**

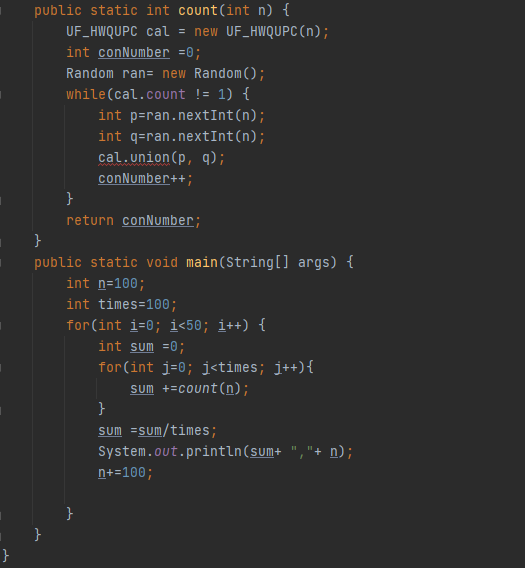
**Task:** Implement height-weighted Quick Union with Path Compression.

UF\_HWQUPC classs:

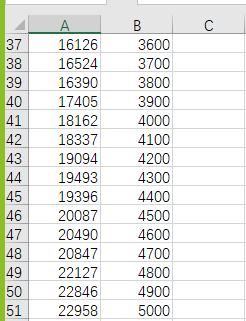








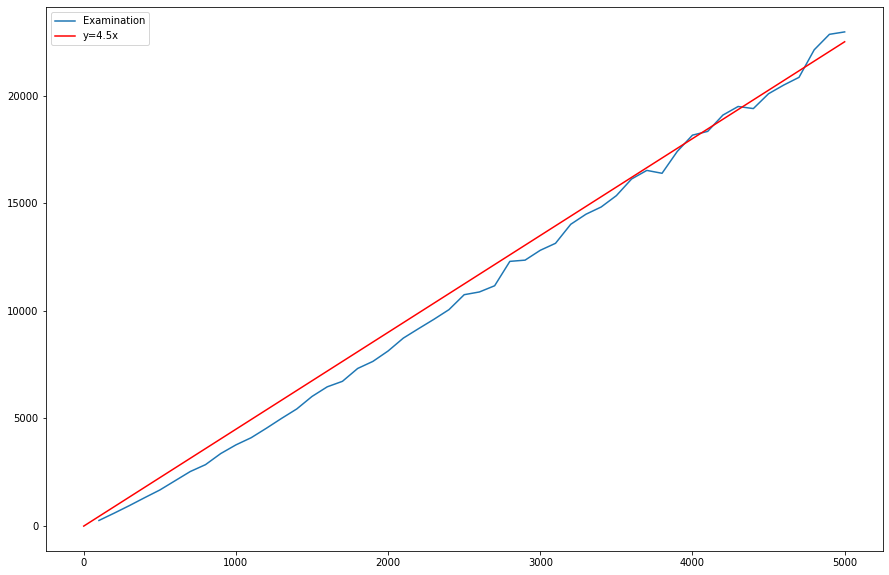
**Output:**



**Relationship Conclusion:**

pairs=4.5\*objects

**Graphical representation:**

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**Unit tests result:**

UF\_HWQUPC\_test

