

MATLAB extra credit 1

Given: Two floating-point variables, a and b .

Wanted: Write a script to swap the values of the variables without using another variable and using elementary operations only. In particular, using a built-in MATLAB function is not allowed.

Example: say, initially $a = 7$ and $b = 5$. After your script is run, $a = 5$ and $b = 7$.

Solution: the following code does it:

```
a = a + b;  
b = a - b;  
a = a - b;
```