Compose a program to multiply two NxN matrices in C.
See "matrixTemplate.c" and "matrixTemplate.h". It's a function template other
than a complete program.

Create a script to generate six programs that will multiple the same matrices
with identical data in six different (i,j,k) orders.
See "program_generator.py". I wrote a Python script to generate the six func-
tion of different (i,j,k) orders.

Verify that the outputs of six different matrix programs are identical.
There is an int type varibale `check` in the "main.c". The program will compare
the result of the six functions if `check` is set to 1.

Compose a script to harvest the running times of N=100, 500, 1000 for the
six different programs.
There is a const int type varibale `N` defines the size of the matrix in the "main.c".
The main function will run the six matrix multiplication functions. I simply
change the varibale and ran the program for the three N values.

Plot your results with explanations. There are two investigations: a) per-
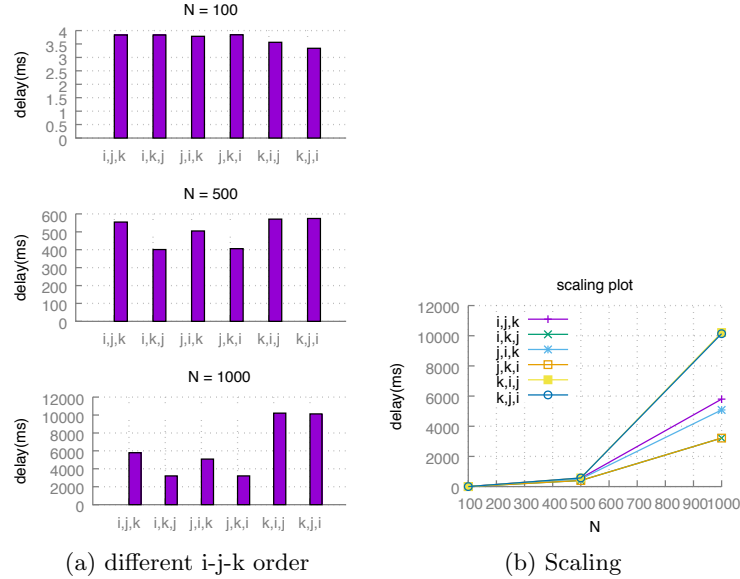formance behavior for six orders, and b) performance behavior for different N.

(a) different i-j-k order   (b) Scaling

Figure 1: The same cup of coffee. Two times.

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