

Problem 1:

Write an ARM7 assembly program that performs the following mathematical equation:
 $(A+B) - (C+D)$, Variables A, B, C, and D are represented by Registers R0, R1, R2, R3 respectively,
assume moving any values in the registers as initial values.

```
AREA EX1, CODE
ENTRY

MOV R0, #10
MOV R1, #3
MOV R2, #2
MOV R3, #4
ADD R4, R0, R1
ADD R5, R2, R3
SUB R6, R4, R5

END
```

Problem 2:

Write an ARM7 Assembly program that swaps the values between two Registers R3 and R4. Assume moving any values in the registers as initial values.

```
AREA EX2, CODE
ENTRY

MOV R3, #5
MOV R4, #3
MOV R5, R3
MOV R3, R4
MOV R4, R5

END
```
