Outputs of Program A(version 1 and 2) and Program B(version 1 and 2):

Program A version 1:

```
*Results*:
Dynamic Instruction Count: 93
PC: 68
Registers:
    $1 = 2
    $2 = 32
    $3 = 0
    $4 = -39
    $5 = 32
    $6 = 0
    $7 = 0
```

Program A version 2:

```
*Results*:
Dynamic Instruction Count: 196
PC: 68
Registers:
    $1 = -4095
    $2 = 40
    $3 = 1
    $4 = 696324
    $5 = 40
    $6 = 0
    $7 = 0
```

Program B version 1:

```
*Results*:
Dynamic Instruction Count: 161
PC: 92
Registers:
    $1 = 0
    $2 = 40
    $3 = 0
    $4 = 0
    $5 = 51
    $6 = 40
    $7 = 0
```

Program B version 2:

```
*Results*:
Dynamic Instruction Count: 271
PC: 88
Registers:
    $1 = 0
    $2 = 60
    $3 = 0
    $4 = 5
    $5 = 85196
    $6 = 60
    $7 = 0
```