CMP 334 Spring 2019 Quiz 5 Name _____

Supply the missing program fragment to complete the **TOY** assembly language subprogram below to replaces all the (signed) negative values in an array with 0 and return the number of entries so changed in register **$F**.

```
Truncate
      lis     $9,       1      : $9 = 1 = c
      add     $F, $0, $0       : $F = 0 = f
      add     $8, $0, $0       : $8 = 0 = j
Loop
      sub     $0, $8, $B       :  j ? n
      bc      UGE, Done
      add     $7, $A, $8       : $7 = @A[j]
      l       $6, $7,  0       : $6 =  A[j] = t
```

```
      add     $8, $8, $9       :  j = j+1
      bc      ALL, Loop
Done
      bcl     ALL,$1, $0       :  return to caller
```