Due date: Tuesday, April 11, 2011

The Pep/8 system lacks an instruction to output a number in hexadecimal. However, we can write a subroutine that does it.

Write two Pep/8 subroutines HEXO and EXOR defined as follows.

HEXO Takes one parameter and outputs the number in hex. In C this would be

```c
void HEXO (int N) { printf("%X",N); }
```

EXOR takes two parameters and returns their exclusive-or. In C this would be

```c
int EXOR (int A, int B) { return A^B; }
```

Test your subroutines in a Pep/8 program that does the following

1. Inputs integers A and B (using deci)
2. Outputs A and B in hexadecimal using HEXO
3. Assigns the exclusive-or of A and B to C using EXOR
4. Outputs C in hexadecimal using HEXO

By the due date

Turn in a listing of your program and the results of testing it

Grading

Correctness: 50 points
Testing: 25 points
Readability: 25 points