

Oceano 2

Determine the factors of a number (i.e., all positive integer values that evenly divide into a number) and then return the ph element of the list, sorted ascending, if there is no ph element, return 0. The factors of 20 in ascending order are $\{1, 2, 4, 5, 10, 20\}$. Using 1-based indexing, if p=3, then 4 is returned. If p>6 0 would be returned. pthFactor has the following parameter(s): int r: the integer whose factors are to be found int p: the index of the factor to be returned int: the long integer value of the pth integer factor there is no factor at that index, then 0 is returned $1 \le n \le 10^{15}$ $1 \le p \le 10^9$ Sample Case 0 Sample Input 0 nple Output 0 Sample Case 1 Sample Input 1 STDIN Function ple Output 1 Factoring n = 10 results in (1, 2, 5, 10). There are or factors and p = 5, therefore 0 is returned as the an Sample Case 2 Sample Input 2 STDIN Function 1 - n=1 1 - p=1 ple Output 2 long pthFactor(long n, long p)(
 int count-0;
 for(long i-1;i<-n;+i){
 if(n!i-0){
 count+;
 if(count-p){
 return i;
 }
}</pre>) Finish review