**Задача 3**

#include <omp.h>

#include <stdio.h>

int main()

{

int a=0, b=0;

omp\_set\_num\_threads(2);

printf("First region\n");

printf("\n%i %i", a, b);

#pragma omp parallel private(a) firstprivate(b)

{

int c = omp\_get\_thread\_num();

a = 0;

a+=c;

b += c;

printf("\n%i %i", a, b);

}

printf("\n%i %i", a, b);

printf("\nSecond region\n");

omp\_set\_num\_threads(4);

printf("\n%i %i", a, b);

#pragma omp parallel shared(a) private(b)

{

b = 0;

a =a - omp\_get\_thread\_num();

b =b - omp\_get\_thread\_num();

printf("\n%i %i", a, b);

}

printf("\n%i %i", a, b);

}