/\*\*

\* helpers.c

\*

\* Computer Science 50

\* Problem Set 3

\*

\* Helper functions for Problem Set 3.

\*/

#include <cs50.h>

#include "helpers.h"

/\*\*

\* Returns true if value is in array of n values, else false.

\*/

bool search(int value, int values[], int n)

//прямой поиск

{

if (n<0)

{

return false;

}

for (int i = 0; i < n; i++)

if (values[i] == value)

return true;

return false;

// TODO: implement a searching algorithm

//return false;

}

/\*\*

\* Sorts array of n values.

\*/

void sort(int values[], int n)

{

int counter;

do

{

counter = 0;

for (int i = 0; i < (n-1); i++)

{

if (values[i] > values[i+1])

{

int a = values[i];

values[i] = values[i+1];

values[i+1] = a;

counter++;

}

}

}

while (counter > 0);

// TODO: implement an O(n^2) sorting algorithm

return;

}