//permutation1.c

//Permutationen: aus dem Buch Kaiser, Guddat, C/C++, Seite 210

//Rekursive Funktion perm:

#include <stdio.h>

void perm(int count, char array[], int start);

int main(void)

{

char chars[] = "TEWR";

printf("Vorher: %s\n", chars);

perm(4, chars, 0);

printf("Nachher: %s\n", chars);

return 0;

}//main

void perm(int count, char array[], int start)

{

if(start < count)

{

char sav = array[start];

for(int i = start; i < count; i++)

{

array[start] = array[i];

array[i] = sav;

perm(count, array, start + 1);

array[i] = array[start];

}//for

array[start] = sav;

}//if

else

printf("%s\n", array);

}//Funktion