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| #include <stdio.h>  #include <conio2.h>  #include <locale.h>  #define dim 9  int I[dim][dim] = {  {0, 0, 0, 0, 0, 0, 0, 0, 0},  {0, 0, 0, 0, 1, 0, 0, 0, 0},  {0, 0, 0, 1, 1, 1, 0, 0, 0},  {0, 0, 1, 1, 1, 1, 1, 0, 0},  {0, 1, 1, 1, 1, 1, 1, 1, 0},  {0, 0, 2, 0, 0, 0, 2, 0, 0},  {0, 0, 2, 0, 0, 0, 2, 0, 0},  {0, 0, 2, 2, 2, 2, 2, 0, 0},  {15, 15, 15, 15, 15, 15, 15, 15, 15}};  void exiba (int I [dim][dim]) {  int i;  int j;  for( i = -1 ; i < dim ; i++) {  textcolor(14);  for( j = -1 ; j < dim ; j++)  if ( i < 0 && j < 0 ) printf(" ");  else if ( i < 0 ) printf("%2d", j);  else if ( j < 0 ) printf("\n%2d", i);  else {  textcolor (I[i][j]);  printf("%c%c", 219, 219);  }  }  textcolor(8);  }  int main (void) {  textcolor(GREEN);  printf(" \*\*\*\*\*\*\*\*\*\* EXERCICIO 1. PROGRAMA PARA REPRESENTACAO E EXIBICAO DE IMAGEM \*\*\*\*\*\*\*\*\*\* \n\n\n"); //setlocale (LC\_ALL,""));    exiba (I);    textcolor(WHITE);  printf("\n");  system("pause");  return 0;  } |  |
| #include <stdio.h>  #include <conio2.h>  //#include <locale.h>  #include "fila.h"  #define dim 11  #define cor(i,j) (i >= 0 && i < dim && j >= 0 && j < dim ? I[i][j] : -1)  #define par(i,j) ((i)\*100+(j))  #define lin(p) ((p)/100)  #define col(p) ((p)%100)  int I[dim][dim] = {  {-1, -1, -1, -1, -1, -1, -1, -1,-1, -1,-1},  {-1,0, 0, 0, 0, 0, 0, 0, 0, 0, -1},  {-1,0, 0, 0, 0, 1, 0, 0, 0, 0, -1},  {-1,0, 0, 0, 1, 1, 1, 0, 0, 0, -1},  {-1,0, 0, 1, 1, 1, 1, 1, 0, 0, -1},  {-1,0, 1, 1, 1, 1, 1, 1, 1, 0, -1},  {-1,0, 0, 2, 0, 0, 0, 2, 0, 0, -1},  {-1,0, 0, 2, 0, 0, 0, 2, 0, 0, -1},  {-1,0, 0, 2, 2, 2, 2, 2, 0, 0, -1},  {-1,0, 0, 0, 0, 0, 0, 0, 0, 0, -1},  {-1, -1, -1, -1, -1, -1, -1, -1,-1, -1,-1},  };  void exiba (int I [dim][dim]) {  int i;  int j;  for( i = -1 ; i < dim ; i++) {  textcolor(14);  for( j = -1 ; j < dim ; j++)  if ( i < 0 && j < 0 ) printf(" ");  else if ( i < 0 ) printf("%2d", j);  else if ( j < 0 ) printf("\n%2d", i);  else {  textcolor (I[i][j]);  printf("%c%c", 219, 219);  }  }  textcolor(8);  }  void colorir ( int I[dim][dim], int i, int j, int n) {  Fila F = fila (dim \* dim);  int a = I[i][j];  I[i][j] = n;  enfileira (par (i , j), F);  while ( !vaziaf(F) ) {  int p = desenfileira (F);  i = lin(p);  j = col(p);  if ( cor(i-1,j)==a ) { I[i-1] [j] = n; enfileira(par(i-1, j), F); }  if ( cor(i,j+1)==a ) { I[i] [j+1] = n; enfileira(par(i, j+1), F); }  if ( cor(i+1,j)==a ) { I[i+1] [j] = n; enfileira(par(i+1, j), F); }  if ( cor(i,j-1)==a ) { I[i] [j-1] = n; enfileira(par(i, j-1), F); }  }  destroif(&F);  }  int main (void) {  int i , j , n;  printf(" \*\*\*\*\*\*\*\*\*\* EXERCICIO 2. CORRECAO DO PROGRAMA \*\*\*\*\*\*\*\*\*\* \n\n\n");//, setlocale (LC\_ALL, ""));  while ( 1 ) {  exiba(I);  printf("\n\n Nova cor (ou -1 para sair)? ");  scanf("%d", &n);  if ( n < 0 ) break;  do {  printf("Posicao? ");  scanf("%d %d", &i, &j);  } while ( i < 0 || i >= dim || j < 0 || j >= dim );  colorir (I , i , j , n);  }    system ("pause");  return 0;  } |  |