```
austão 1.
* include < ntd'o.h?
void mostrar (int v[], int x) {
    inti;
    printl("In");
   for(i=0;iLx;i++){

printf("%d",v[i]);
void organizan (int v[], intx){
     int i, aux, s;
     Por (i=0; i Lx; i++){
         aux = v[i];
         1= i - L;
         while ( , > = 0 8 & aux L ~ [ ; ]) {
              v[]+1] = v[];
         v[j+1] = aux;
     3
float buncamediana (int v[], int x){
     int a, e;
     floot b, c, d;
     ; (X % 2 = = 0){
         \alpha = x/2;
         b= v[a-1];
          c = v [a];
          d= (b+c)/2;
          rutum d;
     3 eln {
          a= x/2;
          e = v [a];
          rutum e;
     3
```

```
int main () {
     int x:
     float mid;
     printl ("Informe o tomanha do vetor: ");
     ncomp("%d", &x);
     int i, v[x];
     ; (" Inform os volous do vita: In ");
     Por (1=0; 12x; 1++){
         print( "v ["od]: ", i);
         scanf ("%d", &v[i]);
     print("Invetor:");
     mostran (v,x);
     organizan (v, x);
     print(" Vitor organizado: ");
     mostron (v, x);
     med = buscamediana (v, x);
      printf("InIn a mediana et = [%.1]]", med);
      ruturno;
austão 2.
# include & ntdio. h>
3(M tmi, [] v tmi) nortrom biov
    intai;
    printf("Invator: In");
    Doi(i=0; 14 M; 1++) {
        ; ([i]v, "+/bo") ftning
int mostramoior (int v[], int M) {
   im, i this
    m = v[0];
   lo(i=0; 14M; 1++){
```

if(v[i]) m){

m= v[i];

```
print("InIn Umaior valor sh: %d", m);
     ruturin m;
void mostramaiors (int v [], int M, int a) {
    int i', mi
   m= v[o];
    Por ( i = 0; i LM; i++) {
         if ( ~ [i] > ~ & & ~ [i]! = a) {
              m = v [i];
    printfl" In U maior et: "od e a regunda maior et: "od", a, m);
void media (int v [], int M) {
     inti;
     Ploot mudia, noma = 0;
     Don ( 1 = 0; 1 4 M; 1++) {
         noma = noma + v[i];
     midra = soma/M;
     printf("InIn a media eh: %. 11", media);
void verifical int v [], int M) {
     inti, count, a=0, b;
     do {
         b= v[a]:
         count = 0;
         for ( i = 0; i < M; i++) {
             if ( ~ [a] = = v [i]){
                  count ++;
         if (count)2){
               bruall;
         a++;
```

```
] while (a < M);
    if (count > 2) {
         print("Inln [ rendadino ]");
    July ?
         print("Inln [ ) alno]");
int main () {
    inti, M, a = 0;
    print("Digite otomonha da veta: ");
    sconf(""d", &M);
    int v [M];
    Por ( i = 0; i + M; i++) {
         v[i] = 1 + nand() % 100;
     mostran (v, M);
     a = mostronmaior (v, M);
     mostramaios (v, M, a);
     media (v, M);
     verifica (v, M);
     rutum o:
austão 3.
Xinclude Latdio. h>
&deline × 100
* deline y 2
2 (Iralxx Montral float MEx7Ex7){
     ici tmi
     ; ("In!nmatrig: In");
     Por(1=0;14x;1++){
         print("1");
         Por ( ) = 0; 1 + 4; 1++){
             print(("1+8.2) ", M[:][0]);
        print("1+11n");
```

```
}([r][*] M toolf) roum boor
    int i, , a, lim;
    a = M[0][1];
     Por ( 1 = 0; 1 4 x; 1 ++) {
         if (M[i][1] La) {
              a = M[i][L];
              lim = i;
         3
   "print("
     print[("In In a menor temperatura et % d e rua latitude et
     %. 2 f ", a, M[lim][0]);
3
void mida (floot MEx] [y]) {
    : itmi
     float mosti=0, sul=0, cn=0, cn=0, mid hosti=0, mid5uls 0;
     Por(;=0;;4x;;++){
        3 (M [i][0]>=1 && M[:][0] L=90){
             morte = morte + M [i][1];
             Cm + +;
        3 (1- =1 [0] [ i] M & & M [i] [0] L= -1) {
             sul = sul + M [i] [1];
             Cハナナi
     med Norte = norte /cn;
     med Sul = rul/cn;
     print[["InIn a temparatura media do hemis finio norte in
     % . 2 | ", med Norte);
     print[("In a temperatura media da himisferia rul eh %.21",
     med Sul);
```

3

```
roid tobela (float MEX] [y]){
      int i, a=0, 1;
     Ploot val =0, n=0, count, A [x][Y];
     por (1=0; 14+; 1++) {
        //Por ( j = 0; j + 4 j + +) {
         Porly=0, 124; 1++){
              A [i] [,] = M [i] [1];
                                    med'a \~");
     printl ("InIn Batitude
     dol
         vol = A [a] [o];
          0=0:
          countso;
          lon ( i = 0; i L x; i++) {
               i) ( vol == A [ i] [ 0] & & A [ i] [ 0] ! s - 1) {
                  n=n+A[i][1];
                  count ++;
                  if (count > 0){
                       ALIJEOJ = -1;
          if(vol! = -1){
                print("In1");
                print[(" 1+%.2 | 1+1+%.2 |", red, s/count);
                print ("1+1) ");
         a ++;
     ?while(acx);
     print("InIn Outras latitudes: sem dados");
int main () {
    int i, 1, a=0, b=0, c=0;
     Ploat MEXJEYJ, MIEXJEY+1], rol = 0;
     print [ (" Digite os valous para a motriz ( primira latitude ( entre
      -90,90) i depois grow Minius (entre-50,50): \n"];
```

```
dof
    b = 0:
     print("[%d][%d]:",a,b);
     scan(("%1", & M[a][b]);
    if(M[a][0]2-90 11 M[a][0])90){
          printf ("Valor invalido");
          C++;
          bruch;
    print("[%d][%d]:", a, b);
    scanfl"% of ", & M[a][b]];
    1) (ME a] [1] 2 - 80 11 ME a] [1] > 50) {
           printf("Volor invalido");
           break;
3 while ( a < * 8 8 b < y );
if (c==0) {
      mostra (M);
       menos (M):
       media (M);
       tobula (M);
       Por(1=0; 12x; 1++){
           for 1,=0; 1 4 y; 1++){
               val = M[i][1];
               MILIJEJJ = MEIJEJJ;
               MICiJ[2] = ((9*(nal))/5)+32;
           3
       print(" In In moting Final: In");
       for(i=0; i < x; i++){

printf("1");

for(j=0; j < y + 1; j + +) {

printf("\+%.Lf", ML[i][j]);

}
            print("1+11m");
```

rutum 0;

8

.