

```

Uses Wincrt;
Type
  tab = Array[1..20] Of Integer;
  mat = Array[1..20,1..10] Of Integer;
Var
  i,j,n: Integer;
  f2,f: Text;
  m: mat;
  l,c: Integer;
  ch: String;
  t: tab;
Procedure tri_rapide(d,f:Integer; Var t:tab);
Var
  i,p,x,m: Integer;
Begin
  If (f>d) Then
    Begin
      m := (d+f) Div 2;
      x := t[m];
      t[m] := t[d];
      t[d] := x;
      p := d;
      For i:=d+1 To f Do
        If (t[i]<t[d]) Then
          Begin
            p := p+1;
            x := t[i];
            t[i] := t[p];
            t[p] := x;
          End;
      x := t[p];
      t[p] := t[d];
      t[d] := x;
      tri_rapide(d,p-1,t);
      tri_rapide(p+1,f,t);
    End;
End;

Procedure transfert2(m:mat;l,c:Integer;Var f2:Text);
Var
  v: String;
  k: Integer;
  t: tab;
Begin
  Rewrite(f2);
  For i:=1 To 10 Do
    Begin
      For j:=1 To l Do
        t[j] := m[j,i];
        tri_rapide(1,l,t);
        For j:=1 To l Do
          m[j,i] := t[j];
        End;
      End;
      For i:=1 To l Do
        Begin
          ch := '';
          For j:=1 To 10 Do
            Begin
              Str(m[i,j],v);
              ch := ch+v+' ';
            End;
          Writeln(f2,ch);
        End;
      End;
    Close(f2);
  End;

Procedure affichef(Var a:Text);
Begin
  Reset(a);
  While (Not(Eof(a))) Do
    Begin
      Readln(a,ch);
      Writeln(ch);
    End;
  Close(a);
End;

Procedure transfert(Var m:mat;Var l,c:Integer; Var f:Text);
Var
  i,j,x,e: Integer;
  k,ch: String;
Begin
  Reset(f);
  k := '';
  l := 0;
  c := 10;
  While (Not(Eof(f))) Do
    Begin
      Readln(f,ch);
      l := l+1;
      k := k+ch;
    End;
  While (Pos(' ',k)<>0) Do
    Begin
      Delete(k,Pos(' ',k),1);
    End;
  For i:=1 To l Do
    Begin
      For j:=1 To c Do

```

```
Begin
  Val(Copy(k,1,Pos(' ',k)-1),x,e);
  m[i,j] := x;
  Delete(k,1,Pos(' ',k));
End;
End;
Close(f);
End;
Begin
  Assign(f,'source.txt');
  Assign(f2,'resultat.txt');
  transfert(m,l,c,f);
  transfert2(m,l,c,f2);
  affichef(f2);
End.
```