```
program Exercicio1;
var N:array [1..20] of integer;
var i, j, p, a: integer;
begin
WriteLn('digite o vetor: ');
for i:=1 to 20 do
ReadLn(N[i]);
begin
for j:=i+1 to 20 do
begin
if N[i]> N[j] then
begin
a:=N[j];
N[j]:= N[i];
N[i]:= a;
end
end
end;
WriteLn('o menor valor: ');
for i:= 1 to 1 do
p:=i;
WriteLn(' | ', N[i], ' | ', p);
end.
```

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```
program questao2;
var
    K: array[1..30] of integer;
    i, posteriores, anterior : integer;
begin
    for i := 1 to 30 do
    begin
        Writeln ('Digite o número ',i, ':');
        ReadLn (K[i]);
    end;
    for i := 1 to 30 do
    begin
        Writeln (K[i]);
    end;
    for i := 1 to 30 do
    begin
        if (i mod 2) > 0 then
        begin
            anterior := K[i];
            posteriores := K[i+1];
            K[i] := posteriores;
            K[i+1] := anterior;
        end;
    end;
    Writeln('////////////////////');
    for i := 1 to 30 do
    begin
        Writeln (K[i]);
    end;
end.
```

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calc.pas

```
program questao3;
var
    S: array[1..20] of integer;
    i,A,SOMA : integer;
begin
    Writeln ('Digite o número de A: ');
    ReadLn (A);
    for i := 1 to 20 do
    begin
        Writeln ('Digite o número do vetor ',i,
        ReadLn (S[i]);
    end;
    for i := 1 to 20 do
    begin
        SOMA := SOMA + S[i];
    end;
    A:= A * SOMA;
    WriteLn;
    Writeln (A);
end.
```

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calc.pas

```
program questao4;
var
    V: array[1..20] of integer;
    i,cont : integer;
begin
    cont:=0;
    for i := 1 to 20 do
    begin
        Writeln ('Digite o número do vetor ',i,
        ReadLn (V[i]);
    end;
    WriteLn;
    for i := 1 to 20 do
    begin
    WriteLn(V[i]);
    end;
    WriteLn;
    for i:=1 to 20 do
    begin
    if (V[i] mod 2) =0 then
    cont:=cont + 1;
    end;
    WriteLn('existem: ', cont,' par(es) neste ve
end.
```

Digitalizado com CamScanner

calc.pas

```
Program exercicio5;
Var num:array[1..100] of integer;
x,y,imenor,troca:integer;
Begin
for x:=1 to 100 do
Begin
    writeln('Número ',x);
    readln(num[x]);
End;
for x:=1 to 100 do
Begin
    imenor:=x;
    for y:=x+1 to 100 do
    Begin
        if num[y]>num[imenor] then imenor:=y;
    if num[x]<>num[imenor] then
    Begin
        troca:=num[x];
        num[x]:=num[imenor];
        num[imenor]:=troca;
        end;
    End;
End;
writeln('Valores Ordenados');
for x:=1 to 100 do
Begin
    writeln(num[x]);
End;
End.
```

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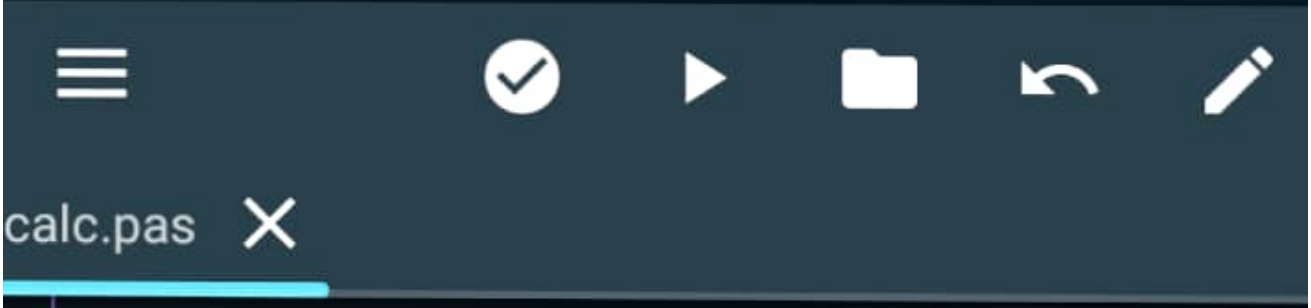

calc.pas

```
Program exercicio7;
Var i,j,k, N: integer;
var X, Y:array[1..15] of integer;
begin
k:=0;
WriteLn('digite o vetor: ');
for i:= 1 to 15 do
begin
read(X[i]);
if (X[i] = 2) or (A[i] = 3) then
begin
Y[k]:= X[i];
k:= k+1;
end;
N:= trunc(sqrt(X[i]));
for j:= 2 to N do
begin
if X[i] mod j = 0 then break;
if(j=N) then
begin
Y[k]:=X[i];
k:=k+1;
end
end;
end;
for i:= 0 to k-1 do
WriteLn('  |  ', Y[i]);
end.
```

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```
Program exercicio8;
const TAM = 8;
Var N,i, j, c: integer;
var A:array[1..TAM] of integer;
D:boolean;
begin
for i:=1 to TAM DO
ReadLn(A[i]);
for i:=1 to TAM do
begin
c:= 0;
D:= true;
for j:=1 to TAM do
if A[i] = A[j] then
c:=c+1;
if (c > 1) then
writeln('o numero ', A[i],' nao é distinto (ele
else
WriteLn('foi achado um distinto: ',A[i],' (ele s
end;
end.
```

Digitalizado com CamScanner

calc.pas

```
Program exercicio9;
Var N,i, j, c: integer;
var A:array[1..50] of integer;
begin
c:=-1;
for i:=1 to 50 do
begin
write('digite o componente',i,'do vetor A:');
ReadLn(A[i]);
end;
while (c<0) or (c>2) do
begin
WriteLn('digite 0 para finalizar o programa, 1 p
ReadLn(c);
end;
if (c=0) then
begin
WriteLn('fim do programa.');
end;
if (c=1) then
begin
WriteLn('o vetor e: [');
for i:=1 to 50 do
begin
WriteLn(A[i]), ' ');
end;
WriteLn(']');
end;
if (c=2) then
begin
for i:=1 to 49 do
for j:=i+1 to 50 do
if (if<j) then
begin
N:= A[i];
```

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```
begin
WriteLn('digite 0 para finalizar o programa, 1 p
ReadLn(c);
end;
if (c=0) then
begin
WriteLn('fim do programa.');
end;
if (c=1) then
begin
WriteLn('o vetor e: [');
for i:=1 to 50 do
begin
WriteLn(A[i]), ' ');
end;
WriteLn(']');
end;
if (c=2) then
begin
for i:=1 to 49 do
for j:=i+1 to 50 do
if (if<j) then
begin
N:= A[j];
A[j]:=A[i];
A[i]:=N;
end;
write('seu vetor com os elementos invertidos fic
for i:=1 to 50 do
begin
WriteLn(A[i], ' ');
end;
WriteLn(']');
end;
end.
```

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```
Program exercicio10;
Var i,j, a: integer;
var L:array[1..9] of integer;
begin
write('digite o vetor: ');
for i:= 0 to 9 do
ReadLn(L[i]);
for i:= 0 to 9 do
begin
for j:= i+1 to 9 do
begin
if L[i] > L[j] then
begin
a:= L[j];
L[j]:= L[i];
L[i]:= a;
end;
end
end;
WriteLn('os tres menores elementos sao: ');
for i:= 0 to 2 do
writeln('   |   ', L[i]);
end.
```

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calc.pas

```
Program exercicio11;
Var
A:array[1..10] of integer;
B:array[1..10] of integer;
i,e,fat,troca :integer;
Begin
    for i:=1 to 10 do
    Begin
        Writeln ('Digite o valor ',i,' do vetor
        Readln (A[i]);
    End;
    for i:=1 to 10 do
    Begin
        fat := 1;
        for e:=1 to A[i] do
        Begin
            fat := fat*e;
        end;
        B[i] := fat;
    end;
    Writeln;
    for i:=1 to 10 do
    Begin
        Writeln (B[i]);
    End;
end.
```

Digitalizado com CamScanner

calc.pas

```
Program exercicio12;
const TAM = 9;
Var L:array[1..TAM] of integer;
i,a:integer;
Begin
        Writeln ('Digite o vetor: ');
        for i:= 0 to 9 do
        Readln (L[i]);
        for i:=0 to (TAM div 2) do
    begin
    a:=L[i];
    L[i]:=L[TAM-i];
    L[TAM-i]:= a;
    End;
    WriteLn('vetor invertido:  |  ');
    for i:=0 to TAM do
    write(L[i],'  |  ');
    writeln;
end.
```

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