

```
procedure Swap(var a, b: Integer);
var
    t: Integer;
begin
    t := a; a := b; b := t;
end;

procedure Partition(arr: array of Integer;
    pivot, l, r: Integer);
var
    i, j: Integer;
begin
    i := l; j := r;
    while i < j do
        for j := st to dr - 1 do
            begin
                if arr[j] < pivot then
                    begin
                        Inc(i); Swap(arr[i], arr[j]);
                    end;
            end;
        end;
        Swap(arr[i], arr[l]);
    end;
    result := i + 1;
end;
```

Bacalaureat Informatică

Limbajul Pascal

```
procedure QSort(var arr: array of Integer;
    st, dr: Integer);
var
    pi: Integer;
begin
    if st < dr then
        begin
            pi := Partitie(arr, st, dr);
            QSort(arr, st, pi - 1);
            QSort(arr, pi + 1, dr);
        end;
end;
```

Ghid complet de pregătire pentru examenul de bacalaureat

