

```

function
    var
        INTEGER size, aux, i;
    endvar
    size := validar(MSG);
    var
        INTEGER num[size];
    endvar
    omplir(num, size);
    WRITE "\nLa mitjana dels valors és: mitjana(num, size)\nEl valor més gran és max(num, size)
    i el més petit és min(num, size).\n";
endfunction

```

---

```

function validar(*msg)
    var
        INTEGER num;
    endvar
    do
        WRITE "msg";
        READ num;
        while num < 1 OR num > 50
            return num;
        endwhile
    enddo
endfunction

```

---

```

function validar2(*msg)
    var
        INTEGER num;
    endvar
    do
        WRITE "msg";
        READ num;
        while num < 1 OR num > 10
            return num;
        endwhile
    enddo
endfunction

```

---

```

function omplir(*num, size)
    var
        INTEGER i;
    endvar
    for i := 0 to size do
        num[i] := validar2(MSG2);
    endfor
endfunction

```

---

```
function mitjana(*num, size)
    var
        INTEGER i, j := 0;
    endvar
    for i := 0 to size do
        j += num[i];
    endfor
    return j DIV size;
endfunction
```

---

```
function max(*num, size)
    var
        INTEGER i, j := 0;
    endvar
    for i := 0 to size do
        if num[i] > j then
            j := num[i];
        endif
    endfor
    return j;
endfunction
```

---

```
function min(*num, size)
    var
        INTEGER i, j := 1;
    endvar
    for i := 0 to size do
        if num[i] < j then
            j := num[i];
        endif
    endfor
    return j;
endfunction
```