

Programme de l'élève Seifeddine Aloui
3SI1 Lycée Mhamdia

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program dev_4;
uses wincrt;
type tab=array [1..20] of string;
var t:tab;
    n,i,j:integer;

procedure saisie (var n:integer);
begin
repeat
write ('entrer la longueur du tableau');
readln(n);
until(n in [2..20]);
end;
function verif(t:tab;i:integer):boolean;
var j:integer;
begin
j:=0;
repeat
j:=j+1;
until ((t[j]=t[i]) or (j>i));
if t[j]=t[i] then
begin
verif:=false;
end
else
begin
verif:=true;
end;
end;
procedure remplir (var t:tab;n:integer);
var i:integer;
begin
repeat
write ('entrer la chaine n°1');
readln(t[1]);
until (length(t[1]) >0);

for i:=2 to n do
begin
repeat
write ('entrer la chaine n°',i);
readln(t[i]);
until ((length(t[i]) >0) and
(verif(t,i)=false));
end;
end;
procedure remp_i_j(var i,j:integer);
```

```
begin
repeat
write('entrer i');
readln(i);
write('entrer j');
readln(j);
until(i<j) and(j<n);
end;
function v_max (i,j:integer;t:tab):string;
var k:integer;max:string;
begin
max:=t[i];
for k:=i+1 to j do
begin
if length(t[k])>length(max) then
max:=t[k];
end;
v_max:=max
end;
function v_min (i,j:integer;t:tab):string;
var k:integer;min:string;
begin
min:=t[i];
for k:=i+1 to j do
begin
if (length(t[k]) < length(min)) then
min:=t[k];
end;
v_min:=min;
end;

begin
saisie(n);
remplir(t,n);
remp_i_j(i,j);
writeln ('la chaine de longueur maximale
est',v_max(i,j,t));
writeln ('la chaine de longueur minimale
est',v_min(i,j,t));
end.
```