

```

program bac2016;

uses wincrt;

type tab= array[1..10] of string;

var

R:tab;

n:integer;

P:string;

{*****}

procedure saisir( var n:integer; var R :Tab);

var

i:integer;

begin

repeat

write('donnez n:');

readln(n);

until n >5;

write('Donnez R[' ,1,']');

Readln(R[1]);

For i:=2 to n do

repeat

write('Donnez R[' ,i,']=');

Readln(R[i]);

until R[i]>R[i-1];

end;

{*****}

```

```

function car_communs(Ch1,ch2:string):integer;
var
chc:string; p1,p2,i:integer;
begin
chc:="";
for i:=1 to length(ch1) do
begin
p1:=pos(ch1[i], ch2);
p2:=pos(ch1[i], chc);
if (p1<>0) and (p2=0) then chc:=chc+ch1[i];
end;
car_communs:=length(chc);
end;

{*****}

```

```

function rech_seq(p:string;n:integer; R:Tab):boolean;
var
i:integer; B:boolean;
begin
i:=1;
repeat
B:=(R[i]=p);
if not(B)
then
i:=i+1;

```

```
until ( B) or (i>n);
```

```
rech_seq:=B;
```

```
end;
```

```
{*****}
```

```
function max_cc(P:string; n:integer; R:tab):integer;
```

```
var
```

```
max,i,cc:integer;
```

```
begin
```

```
max:=0;
```

```
for i:=1 to n do
```

```
begin
```

```
cc:=car_communs(p,R[i]);
```

```
if cc>max then max:=cc;
```

```
max_cc:=max;
```

```
end;
```

```
end;
```

```
{*****}
```

```
procedure resultats_recherche(var p:string; n:integer; R:Tab);
```

```
var
```

```
nb,i:integer;ch:string;
```

```
begin
```

```

write('Prenom à chercher :'); readln(p);
if rech_seq(p,n,R) then writeln('Existe :',p)
else begin
    nb:=0;
    for i:=1 to n do
        begin
            Ch:=R[i];
            if ( Ch[1]=P[1])and(car_communs(p,R[i])=max_cc(P,n,R))
            then write( R[i],', ')
            else nb:=nb+1;
        end;
    if (nb=n) then writeln('introuvable');
end;
end;

```

```
{*****}
```

{programme principal}

```

begin
saisir(n,R);
resultats_recherche(P,n,R);
end.

```