

Program bac\_2017\_25\_mai\_s2;      {Correction proposée par Mr Mohamed Med}

Uses Wincrt;

Var

  n: string;

Function verif(n:String): Boolean;

Var

  i: Integer;

  test: Boolean;

Begin

  i := 0;

  Repeat

    i := i+1;

    If n[i] In ['0'..'9'] Then test := True

    Else test := False;

  Until (Not(test)) Or (i>=Length(n));

  verif := (test And (Length(n)=8));

End;

Procedure saisir(Var n:String);

Begin

  Repeat

    write('saisir le numero de telephone à deviner : ');

    Readln(n);

  Until verif(n);

End;

Function norepeat(ch:String): string;

Var

  ch2: string;

  i: Integer;

Begin

  ch2 := "";

  For i:=1 To Length(ch) Do

```

Begin
  If Pos(ch[i],ch2)=0 Then ch2 := ch2+ch[i];
End;
norepeat := ch2;
End;

```

```

Procedure deviner(n:String);

```

```

Var
  i,j,k: Integer;
  ch: string;

```

```

Begin

```

```

  i := 8;

```

```

  Writeln('vous avez ',i,' essais');

```

```

  Repeat

```

```

    Repeat

```

```

      write('proposer un numéro de téléphone :');

```

```

      Readln(ch);

```

```

    Until verif(ch);

```

```

  If ch<>n Then

```

```

    Begin

```

```

      j:=0;

```

```

        Repeat

```

```

          j:=j+1;

```

```

          k:=0;

```

```

          if ch[j]<>n[j] Then

```

```

            Repeat

```

```

              k:=k+1;

```

```

              if (n[k]=ch[j]) And (j<>k) then Writeln(ch[j], ' qui est à
la position ',j,' dans la proposition n"est pas à sa bonne position');

```

```

            until (k>=Length(n)) or ((n[k]=ch[j]) And (j<>k));

```

```

          Until j=length(ch);

```

```

    i := i-1;

```

```

  If i<>1 Then Writeln('il vous reste ',i,' essais')

```

```
Else Writeln('il vous reste ',i,' essai');
For j:=1 To Length(ch) Do
  Begin
    If ch[j]=n[j] Then
      Begin
        write(ch[j]);
      End
    Else write('-');
  End;
Writeln;
End;
Until (n=ch) Or (i<=1);
If n<>ch Then Writeln('désolé, vous avez perdu')
Else Writeln('bravo, vous avez gagné');
End;
Begin
  saisir(n);
  Clrscr;
  deviner(n);
End.
```