	Bressani	
"Présentation"		
TB	1	1
titre/légendes	1	1
effacer	1	1
fin	1	1
listing	1	0.5
./. limites		
Impair/multiples	1	1
1*effacer	1	1
Impair	3	3
Multiples	5	5
Triangle		
H	4	2.5
B	4	2.5
Total	23	19.5

```
{
Epreuve sur les StringGrid
17 nov 03
Stépane Bressani
}

unit Unit1;

interface

uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
  Grids, StdCtrls, ComCtrls;

type
  TTform1 = class(TForm)
    SG: TStringGrid;
    TrackBar1: TTrackBar;
    Label1: TLabel;
    Label2: TLabel;
    Button1: TButton;
    Button2: TButton;
    Button3: TButton;
    Button4: TButton;
    Button5: TButton;
    Label3: TLabel;
    procedure Button5Click(Sender: TObject);
    procedure TrackBar1Change(Sender: TObject);
    procedure Button1Click(Sender: TObject);
    procedure Button2Click(Sender: TObject);
    procedure effacer;
    procedure Button3Click(Sender: TObject);
    procedure Button4Click(Sender: TObject);
  private
    { Déclarations privées }
  public
    { Déclarations publiques }
  end;

var
  Tform1: TTform1;

implementation

{$R *.DFM}

procedure TTform1.Button5Click(Sender: TObject);
begin
close;
end;

procedure TTform1.TrackBar1Change(Sender: TObject);
begin
effacer;  //effacage
Sg.ColCount := Trackbar1.position+4; //deplacement du traack bar
Sg.RowCount := Trackbar1.position+4;
end;

procedure TTform1.Button1Click(Sender: TObject);  // impaire
var
i,j : integer;
begin
//effacage
effacer;
for i:= 0 to SG.ColCount-1 do
  for j := 0 to SG.RowCount -1 do
    begin
      if odd (i+j) then  // si la somme de i+j est impair alors
        SG.Cells[i,j] := inttostr(i+j); //on affiche
    end;
button2.Enabled := True;  //ouverture du bouton
end;


procedure TTform1.Button2Click(Sender: TObject);  // bouton multiple
var
i,j,k,l : integer;
```

Donnez des noms à vos boutons !

3/3

```
begin
for i:= 0 to SG.ColCount-1 do
  for j := 1 to SG.RowCount -1 do
    begin
      for k:= 1 to 9 do   //on test de 1 a 9 (sa sers a rien de tester plus)
        begin
        l :=  k * 3;
           if SG.Cells[i,j] = inttostr(l) then   //multiple de 3
              SG.Cells[i,j-1] := SG.Cells[i,j-1] + 'T';
        l :=  k * 5;
           if SG.Cells[i,j] = inttostr(l) then   //multiple de 5
              SG.Cells[i,j-1] := SG.Cells[i,j-1] + 'C';
        l :=  k * 7;
           if SG.Cells[i,j] = inttostr(l) then   //multiple de 7
              SG.Cells[i,j-1] := SG.Cells[i,j-1] + 'S';
        end;
    end;
end;

procedure TTform1.effacer;
var
i,j : integer;
begin                              //effacement
for i:= 0 to SG.ColCount-1 do
  for j := 0 to SG.RowCount -1 do
    begin
      SG.Cells[i,j] := '';
    end;
button2.Enabled := False;  //fermeture du bouton

end;

procedure TTform1.Button3Click(Sender: TObject);
begin
effacer;
end;

procedure TTform1.Button4Click(Sender: TObject);
var
i,j : integer;
begin
//effacage
effacer;

//remplissage

for i:= 0 to SG.ColCount-1 do
  for j := 0 to (SG.RowCount -1) do
    begin
      if j >= round((SG.RowCount -1) / 2) then   // pour delimiter la moitié
      begin
        SG.Cells[i,j] := 'B';
      end
      else
      begin
      SG.Cells[i,j] := 'H';
      end;
    end;

//deletage des endroit ou y a pas de H ou de B

for i:= 0 to SG.ColCount-1 do
  for j := 0 to (SG.RowCount -1 -i-1) do
  if j >= round((SG.RowCount -1) / 2) then   // pour delimiter la moitié
      begin
      SG.Cells[i,j] := '';
      end;

for i:= 0 to SG.ColCount-1 do
  for j := (SG.RowCount -i) to SG.RowCount -1 do
  if j >= round((SG.RowCount -1) / 2) then   // pour delimiter la moitié
      begin
      //rien
      end
      else
      begin
      SG.Cells[i,j] := '';
```

```
      end;

end;
end.
```