

Corrigé de la partie pratique

2.

```
procedure TForm1.btnResetClick(Sender: TObject);
var i:integer;
begin
  randomize;
  for i:=0 to 11 do sgJeu.Cells[i,0]:=inttostr(i+1);
  lblHist.Caption:=''
end;
```
3.

```
procedure TForm1.btnRandClick(Sender: TObject);
var i,r:integer;
begin
  lbTemp.Clear;
  for i:=0 to 11 do lbTemp.Items[i]:=inttostr(i+1);
  for i:=0 to 11 do
    begin
      r:=random(lbTemp.Items.Count);
      sgJeu.Cells[i,0]:=lbTemp.Items[r];
      lbTemp.Items.Delete(r);
    end
end;
```
4.

```
procedure TForm1.btnInvertClick(Sender: TObject);
var i,long:integer;
    hist:string;
begin
  lbTemp.Clear;
  for i:=0 to 11 do lbTemp.Items[i]:=sgJeu.Cells[i,0];
  for i:=0 to 11 do sgJeu.Cells[i,0]:=lbTemp.Items[11-i];
  hist:=lblHist.Caption;
  long:=length(hist);
  if (long>0) and (hist[long]='I') then delete(hist,long,1)
                                else hist:=hist+'I';

  lblHist.Caption:=hist;
end;
```
5.

```
procedure TForm1.btnMergeClick(Sender: TObject);
var i,long:integer;
    hist,last:string;
begin
  lbTemp.Clear;
  for i:=0 to 11 do lbTemp.Items[i]:=sgJeu.Cells[i,0];
  for i:=0 to 5 do begin
    sgJeu.Cells[2*i,0]:=lbTemp.Items[i];
    sgJeu.Cells[2*i+1,0]:=lbTemp.Items[11-i]
  end;

  hist:=lblHist.Caption;
  long:=length(hist);
  if (long=0) or (hist[long]='I') then hist:=hist+'M'
  else if hist[long]='M' then hist:=hist+'2'
       else if hist[long]='0' then delete(hist,long-2,3)
       else begin
          last:=hist[long];
          delete(hist,long,1);
          last:=inttostr(strtoint(last)+1);
          hist:=hist+last
        end;

  lblHist.Caption:=hist;
end;
```