```pascal
program bac2008;
uses wincrt;
type tab=array[1..100]of integer;
var
t:tab;
n,i:integer;
procedure saisie(var n:integer);
begin
repeat
writeln('donner la taille du
tableau');
readln(n);
until n in [5..30];
end;
procedure remplir(var
t:tab;n:integer);
begin
for i:=1 to n do
t[i]:=random(1000)+1;
end;
procedure tri_bulle(var
t:tab;n:integer);
var
i:integer;   p:boolean;
aux:integer;
begin
repeat
p:=false;
for i:=1 to n-1 do
if t[i]>t[i+1] then
begin
aux:=t[i];
t[i]:=t[i+1];
t[i+1]:=aux;
p:=true;
end;
n:=n-1;
until (p=false) or (n=1);
end;
```

```pascal
procedure
affichage(t:tab;n:integer);
var
cp:integer;
begin
for cp:=1 to n do
writeln( t[cp]);
end;
procedure
verification(t:tab;n:integer);
var
p,j,s,k:integer;
begin
repeat writeln('donner une position
dans le tableau');
read(p);
until p in [2..n];
s:=0;j:=p-1;
repeat
s:=s+t[j];
j:=j-1;
until
(s=t[p])or(j<1);
if s= t[p] then
begin
for k:=p-1 downto j+1 do
write(t[k],',');
end
else
writeln('condition non verifiee');
end;
begin
saisie(n);
remplir(t,n);
tri_bulle(t,n);
affichage(t,n);
verification(t,n);
```