```
restart; with(plots):
heat1 := (x, t) \rightarrow diff(u(x, t), t) = a \cdot diff(u(x, t), x, x) + b;
> uic := x; n := 10; steps := 800; tau := \frac{1}{steps}; h := 1/n; s := array(0..n, 0..steps);
\rightarrow for j from 1 to n-1 do
   for m from 0 to steps - 1 do
                      x := j \cdot h;
                      t := m \cdot tau;
                      a := x + t;
                      b := x - t;
   s[j, 0] := uic;
    s[0, m+1] := \frac{a \cdot \tan}{h^2} \cdot (2 \cdot s[1, m] - 2 \cdot s[0, m]) + b \cdot \tan + s[0, m];
    s[n, m+1] := \frac{a \cdot \tan}{h^2} \cdot (2 \cdot s[j+1, m] - 2 \cdot s[j, m]) + b \cdot \tan + s[j, m];
    end do:
    end do:
   for m from 0 to steps - 1 do
               for j from 1 to n-1 do
                      x := j \cdot h;
                      t := m \cdot tau;
                      a := x + t;
                      b := x - t;
                     s[j, m+1] := s[j, m] + tau \cdot (a \cdot (s[j-1, m] - 2 \cdot s[j, m] + s[j+1, m]) / h
       ^{2} + b);
               end do:
     end do:
   resplot := [seq(listplot([seq(s[j,m],j=0..n)]), m=1..steps)]:
   display(resplot, insequence = false); display(resplot, insequence = true, color = red);
           (in plots:-pointplot) number of elements in list must be
   multiple of 2
Error, (in plots:-display) expecting plot structure but
Error, (in plots:-display) expecting plot structure but
  eceived: resplot
```