

```

[> restart
[> # Let L be by definition  $L(c-1) \cdot a + b \cdot L(c-2)$ .
[> ld := Vector[row](10);
                                ld := [ 0 0 0 0 0 0 0 0 0 0 ]
(1)
[> ld[1] := 6;
                                ld1 := 6
(2)
[> # Let a:=1.
[> b := 10;
                                b := 10
(3)
[>
[> ld[2] := 2;
                                ld2 := 2
(4)
[> for a from 3 to 9 do
    ld[a] := ld[a - 1] + 10 · ld[a - 2];
end do;
                                ld3 := 62
                                ld4 := 82
                                ld5 := 702
                                ld6 := 1522
                                ld7 := 8542
                                ld8 := 23762
                                ld9 := 109182
(5)
[> ld
                                [ 6 2 62 82 702 1522 8542 23762 109182 0 ]
(6)
[> # by Matt C. Anderson
[> # July 1, 2016
[>

```