

```
> # Euler algorithm
> # Group 1, initialize.
> f:=(x,y)->-y+1-x:
> x0:=0:y0:=3:h:=0.1:L:=[x0,y0]:
> # Group 2, repeat 10 times
> Y:=y0+h*f(x0,y0):
> x0:=x0+h:y0:=Y:L:=L,[x0,y0]:
L:= [0, 3], [0.1, 2.8], [0.2, 2.61], [0.3, 2.429], [0.4, 2.2561], [0.5, 2.09049],
      [0.6, 1.931441], [0.7, 1.7782969], [0.8, 1.63046721], [0.9, 1.487420489],
      [1.0, 1.348678440]
> # Group 3, plot.
> plot([L]);
```

(1)

