

```

> # Rectangular algorithm
> # Group 1, initialize.
> F:=x->evalf(cos(x) + 2*x):
> x0:=0:y0:=0:h:=0.1*Pi:
> Dots1:=[x0,y0]:
> # Group 2, repeat 10 times
> Y:=y0+h*F(x0):
> x0:=x0+h:y0:=evalf(Y):
> Dots1:=Dots1,[x0,y0];
Dots1:= [0, 0], [0.3141592654, 0.3141592654], [0.6283185308,
0.8103345700], [0.9424777962, 1.459278931], [1.256637062,
2.236113378], [1.570796327, 3.122762282], [1.884955592,
4.109722722], [2.199114857, 5.196994698], [2.513274122,
6.394081131], [2.827433387, 7.719057650], [3.141592652, 9.196803225]
> # Group 3, plot.
> plot([Dots1]);

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(1)

