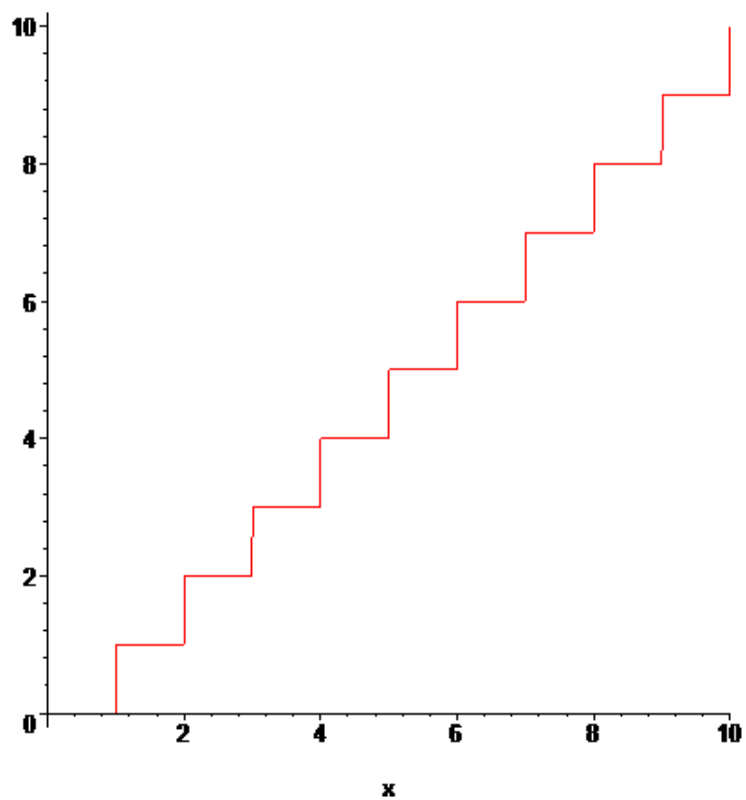


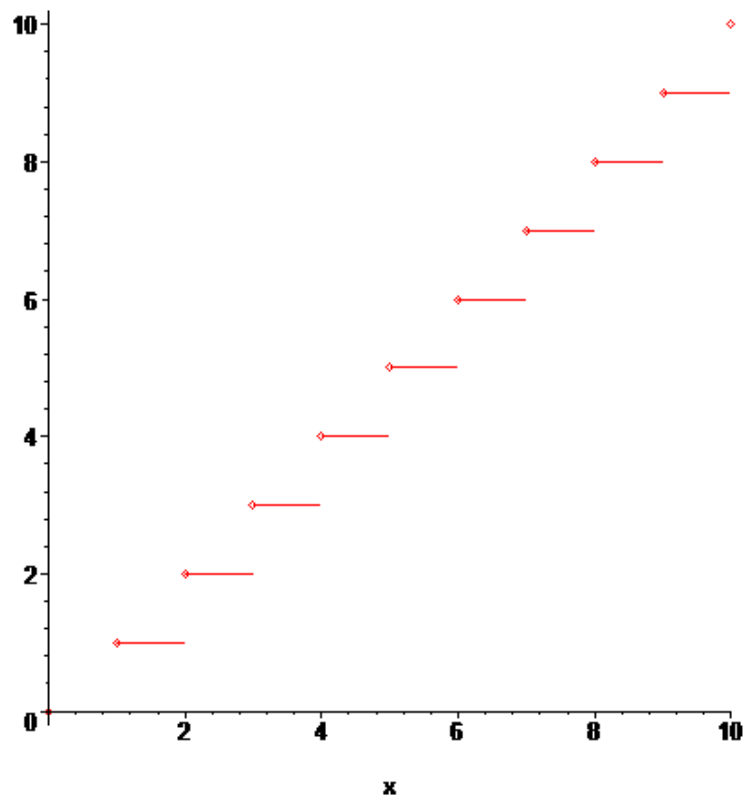
```
> F:=(N,x)->sum(floor(n*x)/n^3,n=1..N);
```

$$F := (N, x) \rightarrow \sum_{n=1}^N \frac{\text{floor}(n x)}{n^3}$$

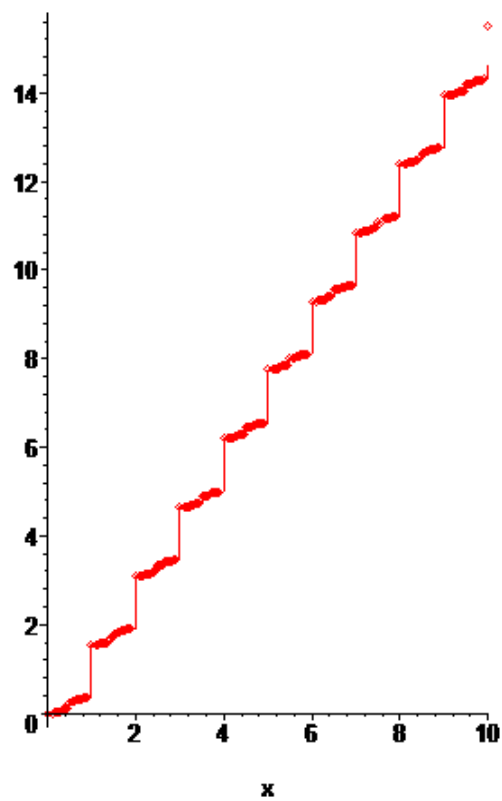
```
> plot(F(1,x),x=0..10,scaling=constrained);
```



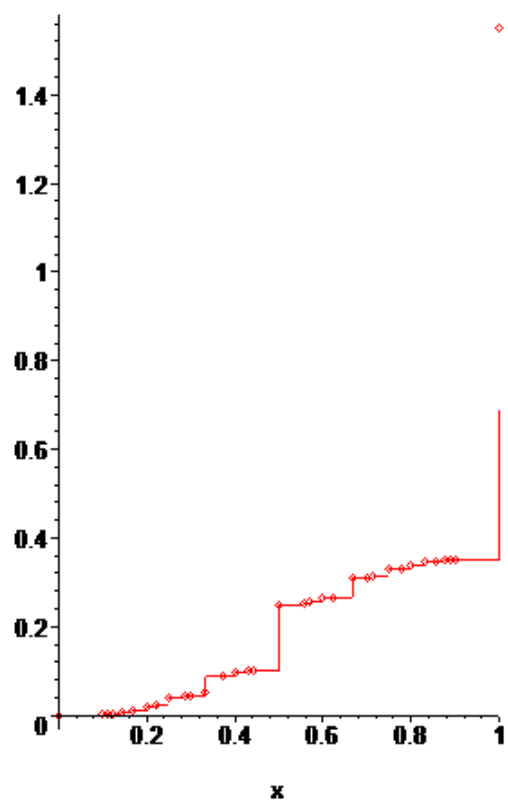
```
> plot(F(1,x),x=0..10,scaling=constrained,discont=true);
```



```
> plot(F(10,x),x=0..10,scaling=constrained,discont=true,numpoints=1000);
```



```
> plot(F(10,x),x=0..1,scaling=constrained,discont=true,numpoints=1000);
```



```
>
```