

# An apparent bug in taylor (series)

First invocation returns too many terms ...

```
[ > Order;
                                     6
> taylor(sqrt(1+x), x);
1 + 1/2 x - 1/8 x^2 + 1/16 x^3 - 5/128 x^4 + 7/256 x^5 - 21/1024 x^6 + 33/2048 x^7 +
O(x^8)
```

... but the second time, the result is correct.

```
[ > taylor(sqrt(1+x), x);
1 + 1/2 x - 1/8 x^2 + 1/16 x^3 - 5/128 x^4 + 7/256 x^5 + O(x^6)
```