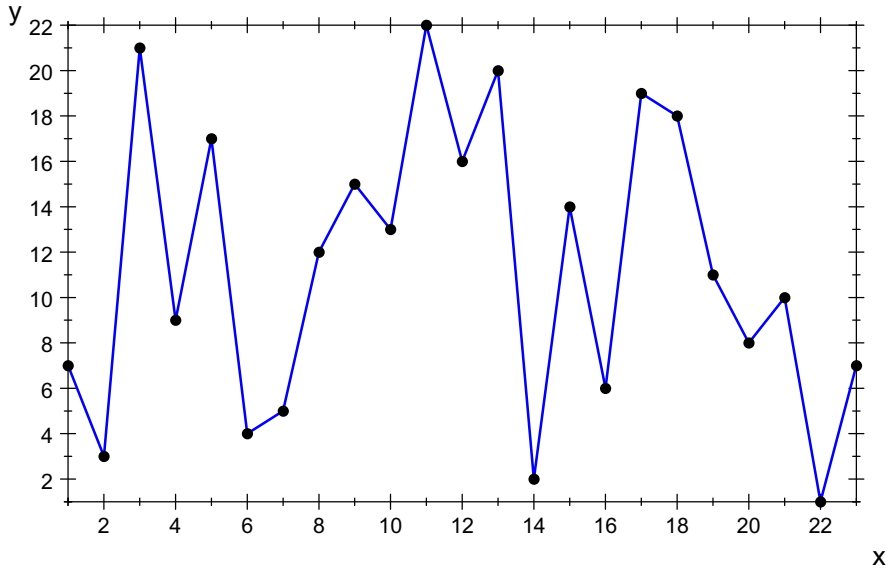
# Kryptografie, Potenzen im Modul

Prof. Dr. Dörte Haftendorn, Mathematik mit MuPAD 4
www.mathematik-sehen-und-verstehen.de
Buch: Mathematik sehen und verstehen Seite 34
##########################################################################

```
n:=23: a:=7:
li:=[k,powermod(a,k,n)] $ k=1..n
```

[1, 7], [2, 3], [3, 21], [4, 9], [5, 17], [6, 4], [7, 5], [8, 12], [9, 15], [10, 13], [11, 22], [12,

```
plot(plot::Listplot([li]))
```

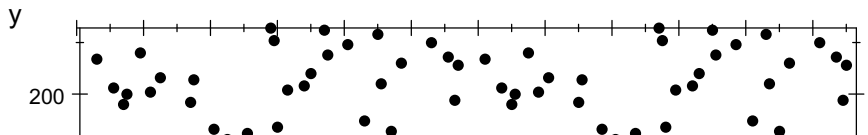


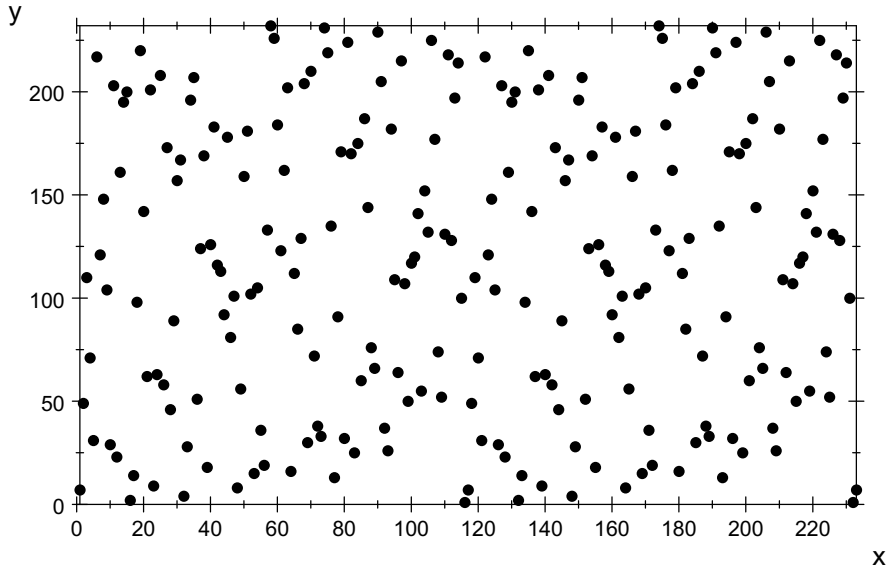

```
n:=233: a:=7:
li:=[k,powermod(a,k,n)] $ k=1..n
```

[1, 7], [2, 49], [3, 110], [4, 71], [5, 31], [6, 217], [7, 121], [8, 148], [9, 104], [10, 29], [11

```
plot(plot::Listplot([li]),LinesVisible=FALSE)
```






y
200
150
100
50
0
0
20
40
60
80
100
120
140
160
180
200
220
x