The texpower Package
Simple Demo

Stephan Lehmke
mailto:Stephan.Lehmke@cs.uni-dortmund.de

June 21, 2003

The texpower Package
Simple Demo

Stephan Lehmke
mailto:Stephan.Lehmke@cs.uni-dortmund.de

June 21, 2003

Contents

The texpower Package
Simple Demo

Stephan Lehmke
mailto:Stephan.Lehmke@cs.uni-dortmund.de

June 21, 2003

Contents

1 A list environment

The texpower Package
Simple Demo

Stephan Lehmke
mailto:Stephan.Lehmke@cs.uni-dortmund.de

June 21, 2003

Contents

1 A list environment

foo.

The texpower Package
Simple Demo

Stephan Lehmke
mailto:Stephan.Lehmke@cs.uni-dortmund.de

June 21, 2003

Contents

1 A list environment

foo. bar.

The `texpower` Package
Simple Demo

Stephan Lehmke
`mailto:Stephan.Lehmke@cs.uni-dortmund.de`

June 21, 2003

Contents

1 A list environment

foo. bar.

baz.

The `texpower` Package
Simple Demo

Stephan Lehmke
mailto:Stephan.Lehmke@cs.uni-dortmund.de

June 21, 2003

Contents

1 A list environment

foo. bar.

baz. qux.

2 An aligned equation

2 An aligned equation

$$\sum_{i=1}^{n} i \tag{1}$$

$$\tag{2}$$

$$\tag{3}$$

$$\tag{4}$$

2 An aligned equation

$$\sum_{i=1}^{n} i = 1 + 2 + \cdots + (n-1) + n \tag{1}$$

(2)

(3)

(4)

2 An aligned equation

$$\sum_{i=1}^{n} i = 1 + 2 + \cdots + (n-1) + n \tag{1}$$

$$= 1 + n + 2 + (n-1) + \cdots \tag{2}$$

$$\tag{3}$$

$$\tag{4}$$

2 An aligned equation

$$\sum_{i=1}^{n} i = 1 + 2 + \cdots + (n-1) + n \tag{1}$$

$$= 1 + n + 2 + (n-1) + \cdots \tag{2}$$

$$= (1+n) + \cdots + (1+n) \tag{3}$$

$$\tag{4}$$

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
& && (4)
\end{aligned}$$

2 An aligned equation

$$
\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1) \\
&= 1 + n + 2 + (n-1) + \cdots && (2) \\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3) \\
&= \frac{(1+n)}{} && (4)
\end{aligned}
$$

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1) \\
&= 1 + n + 2 + (n-1) + \cdots && (2) \\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3) \\
&= \frac{(1+n) \cdot n}{2} && (4)
\end{aligned}$$

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n) \cdot n}{2} && (4)
\end{aligned}$$

3 An array

$$\begin{array}{ccccc}
n & \log n & n \log n & n^2 & 2^n \\
\hline
\end{array}$$

2 An aligned equation

$$\sum_{i=1}^{n} i = 1 + 2 + \cdots + (n-1) + n \tag{1}$$
$$= 1 + n + 2 + (n-1) + \cdots \tag{2}$$
$$= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \tag{3}$$
$$= \frac{(1+n) \cdot n}{2} \tag{4}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0				

2 An aligned equation

$$
\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n) \cdot n}{2} && (4)
\end{aligned}
$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—			

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—		

2 An aligned equation

$$\begin{aligned} \sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1) \\ &= 1 + n + 2 + (n-1) + \cdots && (2) \\ &= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3) \\ &= \frac{(1+n) \cdot n}{2} && (4) \end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n) \cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n) \cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1				

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0			

2 An aligned equation

$$\sum_{i=1}^{n} i = 1 + 2 + \cdots + (n-1) + n \tag{1}$$

$$= 1 + n + 2 + (n-1) + \cdots \tag{2}$$

$$= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \tag{3}$$

$$= \frac{(1+n) \cdot n}{2} \tag{4}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0		

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1+2+\cdots+(n-1)+n && (1)\\
&= 1+n+2+(n-1)+\cdots && (2)\\
&= \underbrace{(1+n)+\cdots+(1+n)}_{\times\frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n) \cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2				

2 An aligned equation

$$
\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n) \cdot n}{2} && (4)
\end{aligned}
$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1			

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1+2+\cdots+(n-1)+n & (1)\\
&= 1+n+2+(n-1)+\cdots & (2)\\
&= \underbrace{(1+n)+\cdots+(1+n)}_{\times\frac{n}{2}} & (3)\\
&= \frac{(1+n)\cdot n}{2} & (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2		

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1+2+\cdots+(n-1)+n && (1)\\
&= 1+n+2+(n-1)+\cdots && (2)\\
&= \underbrace{(1+n)+\cdots+(1+n)}_{\times\frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1+2+\cdots+(n-1)+n && (1)\\
&= 1+n+2+(n-1)+\cdots && (2)\\
&= \underbrace{(1+n)+\cdots+(1+n)}_{\times\frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4

2 An aligned equation

$$
\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n) \cdot n}{2} && (4)
\end{aligned}
$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3				

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1+2+\cdots+(n-1)+n && (1)\\
&= 1+n+2+(n-1)+\cdots && (2)\\
&= \underbrace{(1+n)+\cdots+(1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6			

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8		

2 An aligned equation

$$\sum_{i=1}^{n} i = 1 + 2 + \cdots + (n-1) + n \tag{1}$$
$$= 1 + n + 2 + (n-1) + \cdots \tag{2}$$
$$= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \tag{3}$$
$$= \frac{(1+n) \cdot n}{2} \tag{4}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n \quad (1)\\
&= 1 + n + 2 + (n-1) + \cdots \quad (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \quad (3)\\
&= \frac{(1+n)\cdot n}{2} \quad (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8

2 An aligned equation

$$
\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}
$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4				

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2			

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1+2+\cdots+(n-1)+n && (1)\\
&= 1+n+2+(n-1)+\cdots && (2)\\
&= \underbrace{(1+n)+\cdots+(1+n)}_{\times\frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8		

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1) \\
&= 1 + n + 2 + (n-1) + \cdots && (2) \\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3) \\
&= \frac{(1+n) \cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5				

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3			

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1+2+\cdots+(n-1)+n && (1)\\
&= 1+n+2+(n-1)+\cdots && (2)\\
&= \underbrace{(1+n)+\cdots+(1+n)}_{\times\frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6		

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	

2 An aligned equation

$$\sum_{i=1}^{n} i = 1 + 2 + \cdots + (n-1) + n \tag{1}$$
$$= 1 + n + 2 + (n-1) + \cdots \tag{2}$$
$$= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \tag{3}$$
$$= \frac{(1+n) \cdot n}{2} \tag{4}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	32

2 An aligned equation

$$\sum_{i=1}^{n} i = 1 + 2 + \cdots + (n-1) + n \quad (1)$$

$$= 1 + n + 2 + (n-1) + \cdots \quad (2)$$

$$= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \quad (3)$$

$$= \frac{(1+n) \cdot n}{2} \quad (4)$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	32

4 A picture

2 An aligned equation

$$
\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}
$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	32

4 A picture

2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	32

4 A picture

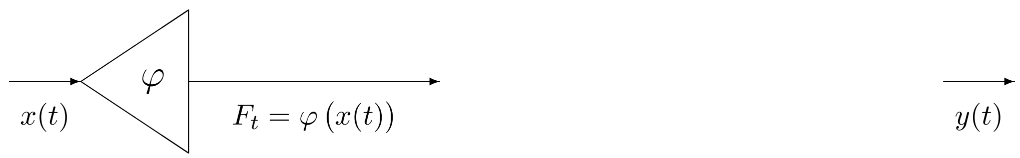
2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	32

4 A picture



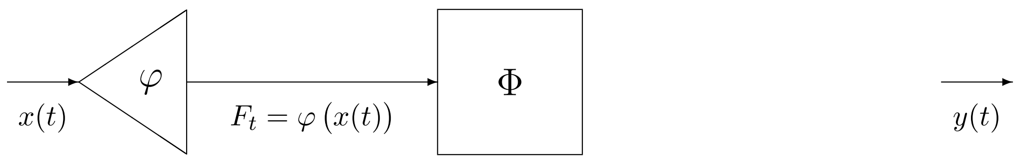
2 An aligned equation

$$
\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}
$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	32

4 A picture



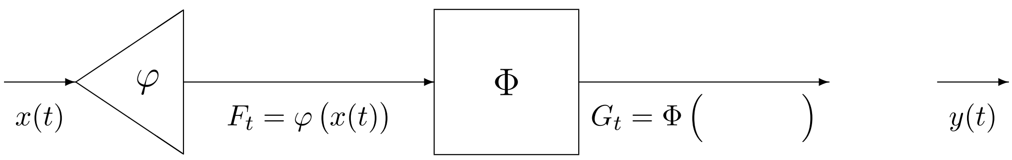
2 An aligned equation

$$\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	32

4 A picture



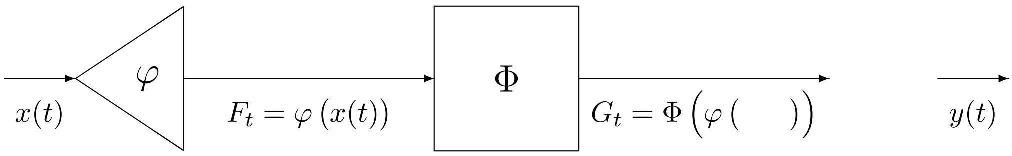
2 An aligned equation

$$
\begin{aligned}
\sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n && (1)\\
&= 1 + n + 2 + (n-1) + \cdots && (2)\\
&= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} && (3)\\
&= \frac{(1+n) \cdot n}{2} && (4)
\end{aligned}
$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	32

4 A picture



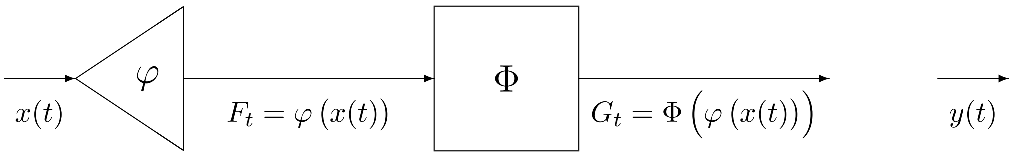
2 An aligned equation

$$
\begin{aligned}
\sum_{i=1}^{n} i &= 1+2+\cdots+(n-1)+n && (1)\\
&= 1+n+2+(n-1)+\cdots && (2)\\
&= \underbrace{(1+n)+\cdots+(1+n)}_{\times\frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}
$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	32

4 A picture



2 An aligned equation

$$
\begin{aligned}
\sum_{i=1}^{n} i &= 1+2+\cdots+(n-1)+n && (1)\\
&= 1+n+2+(n-1)+\cdots && (2)\\
&= \underbrace{(1+n)+\cdots+(1+n)}_{\times\frac{n}{2}} && (3)\\
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}
$$

3 An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	32

4 A picture