The `texpower` Package
Simple Demo

Stephan Lehmke
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July 3, 2000

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1 A list environment

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1 A list environment

foo.

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1 A list environment

foo. bar.

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2 An aligned equation **2**

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4 A picture **2**

1 A list environment

foo. bar.

baz.

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1 A list environment **1**

2 An aligned equation **2**

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4 A picture **2**

1 A list environment

foo. bar.

baz. qux.

2 An aligned equation

2 An aligned equation

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

(2)

(3)

(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

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

2 An aligned equation

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

$$(4)$$

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

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

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

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

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	—	—		

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

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

3 An array

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

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

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

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	

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

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

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

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

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

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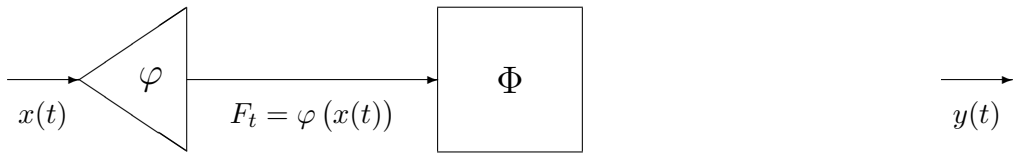
&= \frac{(1+n)\cdot n}{2} && (4)
\end{aligned}$$

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



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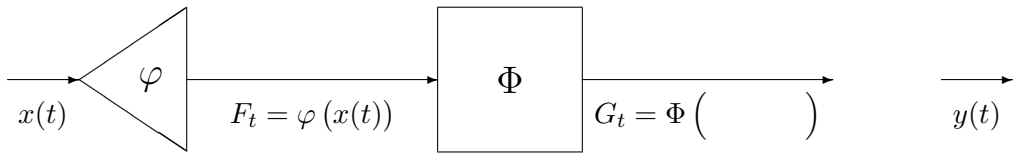

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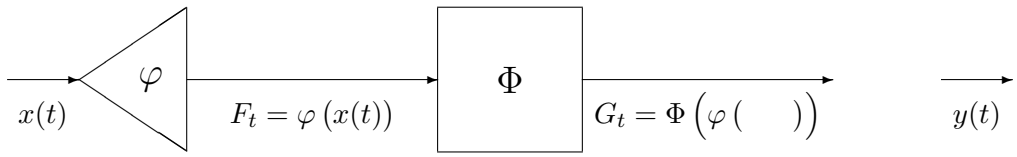

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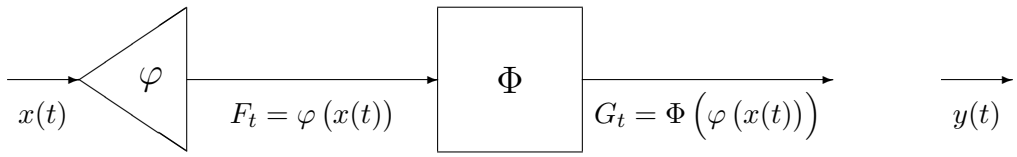

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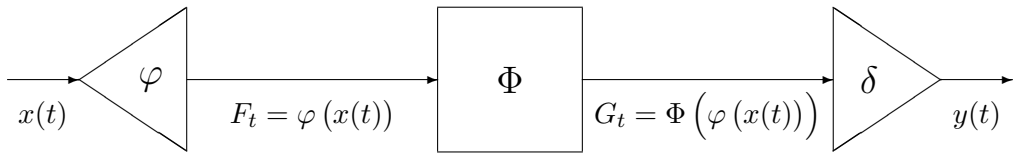
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