

The `texpower` Package Simple Demo

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

May 15, 2003

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Simple Demo

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Contents

1	A list environment	1
2	An aligned equation	2
3	An array	2
4	A picture	2

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Contents

1	A list environment	1
2	An aligned equation	2
3	An array	2
4	A picture	2

1 A list environment

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Contents

1	A list environment	1
2	An aligned equation	2
3	An array	2
4	A picture	2

1 A list environment

foo.

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Contents

1	A list environment	1
2	An aligned equation	2
3	An array	2
4	A picture	2

1 A list environment

foo. bar.

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Contents

1	A list environment	1
2	An aligned equation	2
3	An array	2
4	A picture	2

1 A list environment

foo. bar.

baz.

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Contents

1	A list environment	1
2	An aligned equation	2
3	An array	2
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

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

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

$$\tag{3}$$

$$\tag{4}$$

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

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

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

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

$$(4)$$

2 An aligned equation

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

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

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

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

2 An aligned equation

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

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

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

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

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

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

$$\frac{n \log n \quad n \log n \quad n^2 \quad 2^n}{\quad}$$

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

$$\frac{n \log n \quad n \log n \quad n^2 \quad 2^n}{0}$$

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

$$\frac{n \log n \quad n \log n \quad n^2 \quad 2^n}{0 \quad \text{—}}$$

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

$$\frac{n \log n \quad n \log n \quad n^2 \quad 2^n}{0 \quad - \quad -}$$

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

$$\frac{n \log n \quad n \log n \quad n^2 \quad 2^n}{0 \quad - \quad - \quad 0}$$

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

$$\frac{n \log n \quad n \log n \quad n^2 \quad 2^n}{0 \quad - \quad - \quad 0 \quad 1}$$

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

$$\begin{array}{cccccc} n & \log n & n \log n & n^2 & 2^n & \\ 0 & - & - & 0 & 1 & \\ 1 & & & & & \end{array}$$

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

$$\begin{array}{cccccc} n & \log n & n \log n & n^2 & 2^n & \\ 0 & - & - & 0 & 1 & \\ 1 & 0 & & & & \end{array}$$

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

$$\begin{array}{cccccc} n & \log n & n \log n & n^2 & 2^n & \\ \hline 0 & - & - & 0 & 1 & \\ 1 & 0 & 0 & & & \end{array}$$

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 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 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				

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 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		

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	

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

2 An aligned equation

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

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

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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

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

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

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			

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		

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	

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

2 An aligned equation

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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

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

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

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

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

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			

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		

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	

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

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 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			

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		

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	

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

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

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

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

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

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

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

\longrightarrow
 $x(t)$

\longrightarrow
 $y(t)$

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

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

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

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

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

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

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

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

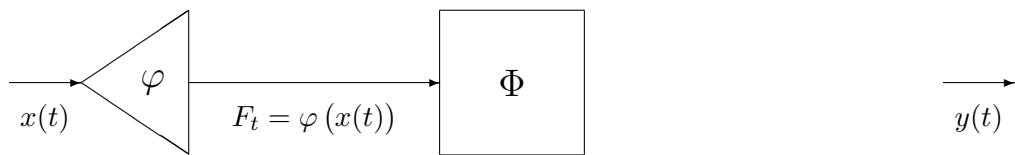
$$= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \quad (3)$$

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

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

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

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

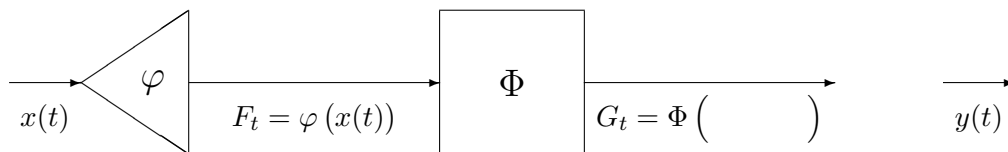
$$= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \quad (3)$$

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

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

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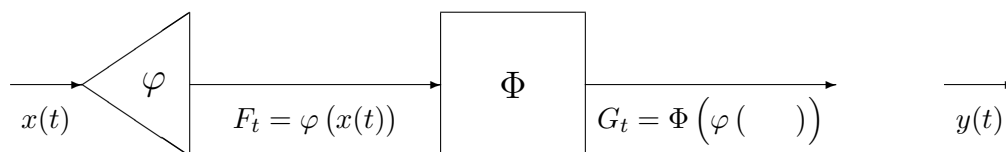
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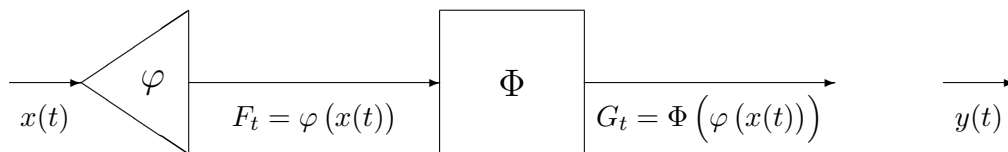
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