

Test

test

deeteeeeereeeedetteeeee

My		Headedr		
a			b c	
			cefdsrdeefffeerddeeeeeedeeeeeeerd	
a		b	xyz	
b		d		
a		d	3	
a		d	4	
a		d	5	
a		d	6	
a		d	7	
a		d	8	
a		d	9	
a		d	10	
a		d	11	
a		d	12	
a		d	13	
a		d	14	
a		d	15	
a		d	16	
a		d	17	
a		d	18	
a		d	19	
a		d	20	
a		d	21	
a		d	22	
a		d	23	
a		d	24	
a		d	25	
a		d	26	
a		d	27	
a		d	28	
a		d	29	
a		d	30	
a		d	31	
a		d	32	
a		d	33	
a		d	34	

a		d		35
a		d		36
a		d		37
a		d		38
a		d		39
a		d		40
a		d		41
a		d		42
a		d		43
a		d		44
a		d		45
a		d		46
a		d		47
a		d		48
a		d		49
a		d		50
a		d		51
a		d		52
a		d		53
a		d		54
a		d		55
a		d		56
a		d		57
a		d		58
a		d		59
a		d		60
a		d		61
a		d		62
a		d		63
a		d		64
a		d		65
a		d		66
a		d		67
a		d		68
a		d		69
a		d		70
a		d		71
a		d		72
a		d		73
a		d		74

My		Headedr	
a		d	75
a		d	76
a		d	77
a		d	78
a		d	79
a		d	80
a		d	81
a		d	82
a		d	83
a		d	84
a		d	85
a		d	86
a		d	87
a		d	88
a		d	89
a		d	90
a		d	91
a		d	92
a		d	93
a		d	94
a		d	95
a		d	96
a		d	97
a		d	98
a		d	99
a		d	100
a		d	101
a		d	102
a		d	103
a		d	104
a		d	105
a		d	106
a		d	107
a		d	108
a		d	109
a		d	110
a		d	111
a		d	112
a		d	113

My		Headedr		
a		d		114
a		d		115
a		d		116
a		d		117
a		d		118
a		d		119
a		d		120
a		d		121
a		d		122
a		d		123
a		d		124
a		d		125
a		d		126
a		d		127
a		b		c

abcdef	ee			c
abcdef				c
aa	b	c	b	cdeecfeeeeeeeeeeeeeeeerdteeettetteeefdxexeeeddeeeetec

a	b	c	d
a	b		d
a			d
a	b	c	d

aadf00	badf01	cadf02	dadf03
aadf10	badf11		dadf13
aadf20			dadf23
aadf30	badf31	cadf32	deadf33

a	b	cd	d
a	bcccccccc		d
a	c		d
	c		
	c		
a	(1, 3)	f	dee
a	b	c	dee

eeeedreetetdeederfttddeerrreddeeteeeeeerettededteeedeceesdeedeefteetdedeeesefdferrreeedeefeettgederedaeeteeedd

s s s s

s

The diagram illustrates the Huffman tree construction process for the string "abcccccdd".

Initial Characters and Frequencies:

- a: 1
- b: 1
- cd: 2
- d: 2

Step 1: Merging 'a' and 'b'.

The characters 'a' and 'b' are merged into a new node 'ab' with a frequency of 2. The updated list of nodes is:

- ab: 2
- c: 5
- d: 2

Step 2: Merging 'cd' and 'd'.

The characters 'cd' and 'd' are merged into a new node 'cdd' with a frequency of 4. The updated list of nodes is:

- ab: 2
- c: 5
- cdd: 4

Step 3: Merging 'ab' and 'c'.

The nodes 'ab' and 'c' are merged into a new node 'abc' with a frequency of 7. The updated list of nodes is:

- abc: 7
- cdd: 4

Step 4: Merging 'abc' and 'cdd'.

The nodes 'abc' and 'cdd' are merged into the root node 'abcccccdd' with a frequency of 11. The final Huffman tree is constructed.

Username	Data		Score
	Location	Height	
John	Second St.	180 cm	5
Wally	Third Av.	160 cm	10
Jason	Some St.	150 cm	15
Robert	123 Av.	190 cm	20
Other	Unknown St.	170 cm	25

a	b	c	d
e	f	g	h
i	j	k	l

a		b
c	d	ed
f		g

a	d	b	J
c		e	K
f		g	L

a	b	J
c	d	e
f		g
		L

a	b	J
c	d	e
f	g	L

a	b	
c	d	ed
f		g

a		beeee
c	d	e
f		g
hi I'm down here		

a R0		b R0	j R0
c R1	dd R1	e R1	K R1
f R2		g R2	L R2

৩	৩	৩
৩		

a	b	c	d
e	f	g	h

Names	Properties		Creators
	Type	Size	
Machine	Steel	5 cm ³	John p& Kate
Frog	Animal	6 cm ³	Robert
Frog	Animal	6 cm ³	Robert
Frog	Animal	6 cm ³	Robert
Frog	Animal	6 cm ³	Robert
Frog	Animal	6 cm ³	Robert

Names	Properties		Creators
	Type	Size	
Frog	Animal	6 cm ³	Robert
Frog	Animal	6 cm ³	Rodbert

Auto page tests (infinite dimensions):

a	b	c
d	e	f
g	h	i
f	j	e
		b
		c
		d

a	b	c
d	e	f
g	h	i
f	j	e
		b
		c
		d

b
d

b
d

a	b
c	d

a	b
c	d

a		b		c		d
a		b		c		d
a		b		c		d
a		b		c		d

a		b		c		d
a		b		c		d
a		b		c		d
a		b		c		d

a	b	c
---	---	---

a	b	c
---	---	---

a		b		c		d		e
f		ggggoprdeet				i		j
		eeeeeee						
k						n		o
p		q		r		s		t

a	dfjasdfjdaskfjdsaklfj
a	height should be correct here
a	
a	
a	

This table should be contained within the page’s width:

<p> Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aequae doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere. </p>	<p> Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aequae doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguique possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et. </p>
---	---

Accept array of column alignments:

a	b	d	e	f
cccc	cccfd	esdfs	ffeff erfad	adspfp

Empty array inherits from outside:

a	b	d	e	f
cccc	cccfd	esdfs	ffeff erfad	adspfp

Accept array for fill:

a	b	c	d	e
dddd	eeee	fff	ggggg	hhhhh

Empty fill array is no-op:

a	b	c	d	e
dddd	eeee	fff	ggggg	hhhhh

Align and fill function tests:

a b	b	c	d	e
dddd eapdsfp	eeee eapdlf	fff	ggggg	hhhhh

Test division by zero bug:

Name	Entität	Eigenschaft
GammaTaurus	ThisIsASuperlongSymbolicName which is similar important as Supercalifragilistic	

Test superfluous row bug:

a		
	a	

Test gutter restrict top:

a	b	c
d	e	f

Test gutter restrict without gutter:

a	b	c
e	f	g
d	e	f

Test gutter split between pages:

[illegible]

$$\begin{array}{ccc} \hline a & b & c \\ \hline a & b & c \end{array}$$

Small gutter test:

a		b		c		d
a		b		c		d
a		b		c		d
a		b		c		d

Test fractional columns in an auto-sized block:

a	b	c
d	e	f
g	h	i

Using the examples from issue #44:

1.

1A. table

1B. tablex

2.

2A. table plain block

2B. tablex plain block

3.

3A. table breakable: true

3B. tablex breakable: true

4.

4A. table breakable: false

4B. tablex breakable: false

Nested tables from issue #41:

- Triple-nested tables.

Lorem ipsum dolor sit amet, consectetur
adipiscing elit, sed do.

- Quadruple-nested tables.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat.

Nested tables from issue #28:

table inside a table

A	A	A	A
---	---	---	---

following table fails

Problem/Observation: just one column “C”

Expected Outcome: Two columns

C	C
---	---

Exotic strokes from issue #49:



Stroke parsing regression from issue #55:

Red stroke:



Thick stroke with a decimal point:



Combining em and pt:



Combining em and pt (with a stroke object):



Dictionary insets from issue #54:

A	B	C
---	---	---

A	B
---	---

a	b
c	d
e	f

RTL tables from issue #58:

- Simple

a	b	c
d	e	f
g	h	i

→

c	b	a
f	e	d
i	h	g

- Colspan, rowspan

a	d	
d	e	f
g	h	

→

d		a
f	e	d
	h	g

- No vertical lines

a	d	
b	b	b
d	e	f
g	h	

→

d		a
b	b	b
f	e	d
	h	g

- Line customization

a

|

d

→

d

|

a

b

b

b

b

b

b

d

e

f

f

e

d

g

h

h

g

- Alignment and fill

aaaa	ddddd	→	ddddd	aaaa
b	bdd		bd	b
d	e		f	d
g	h			g

Map cells, map rows, map cols •

aaaa HI y = 0 x = 0	ddddd HI y = 0 x = 1	
b HI y = 1 x = 0	bdd HI y = 1 x = 1	bd HI y = 1 x = 2
d HI y = 2 x = 0	e HI y = 2 x = 1	f HI y = 2 x = 2
g HI y = 3 x = 0	h HI y = 3 x = 1	

↓

ddddd HI y = 0 x = 1	aaaa HI y = 0 x = 0
bd HI y = 1 x = 2	b HI y = 1 x = 0
f HI y = 2 x = 2	d HI y = 2 x = 0
h HI y = 3 x = 1	g HI y = 3 x = 0

Lines in tables from issue #80

A _____ B	A _____ B
C	D
(width: 40pt, height: 0pt)	E

A _____ B	A _____ B
C	D
(width: 40pt, height: 0pt)	E

Length to pt conversion

Line expansion - issue #74:

- Positive single-cell hlinex expansion

-

—

—

—

—

- Positive multi-cell hlinex expansion

-
-
-
-
-

- Negative single-cell hlinex expansion

—
-
-
-
-

- Negative multi-cell hlinex expansion

—
-
-
-
-

- Positive single-cell vlinex expansion

· | | | |

- Positive multi-cell vlinex expansion

· | | | |

- Negative single-cell vlinex expansion

| · · · ·

- Negative multi-cell vlinex expansion

| · · · ·

Full-width rowspans displayed with the wrong height (Issue #105)

ONE			
TWO	THREE	FOUR	FIVE

a

a

b

More overlapping rowspans (Issue #82)

Name	He	Rack	Beschreibung
“mt01”	42	“WAT”	“Löschgasflasche”
“mt2”	41	“WAT”	test
“mt3”	40	“WAT”	test
“mt3”	40	“WAT”	test

Extra rows should inherit the last row size (Issue #97)

--

a
a
a
a

0	1	2	3	4	
0	1	2	3	4	
0	1	2	3	4	
0	1	2	3	4	
0	1	2	3	4	
		0	1	2	
		0	1	2	
		0	1	2	
		0	1	2	
		0	1	2	
		0	1	2	

0	1	2	3	4	
0	1	2	3	4	
0	1	2	3	4	
0	1	2	3	4	
0	1	2	3	4	
		0	1	2	
		0	1	2	
		0	1	2	
		0	1	2	
		0	1	2	
		0	1	2	

0	1	2	3	4	
0	1	2	3	4	
0	1	2	3	4	
0	1	2	3	4	
		0	1	2	
		0	1	2	
		0	1	2	

	0	1	2	
	0	1	2	
	0	1	2	

Overflowing cells (Issues #48 and #75)

a: Lorem ipsum dolor sit amet, consectetur adipiscing.	b: <i>ThisIsALongAndRandomMathEpression</i>	c
--	--	---

lorem_ipsum_dolor_sit_amet	lorem	lorem_ipsum_dolor_sit_amet_consectetur_adipisici	lorem
----------------------------	-------	--	-------

Rowspans spanning 1fr and auto with ‘fit-spans’

- Normal sizes:

A	BC	D	E
A	BC	D	E
A	BC	D	E
A	BC	D	E

- With colspan over auto and 1fr (but not all fractional columns):

Hello world! Hello!			E
A	BC	D	E
A	BC	D	E
A	BC	D	E
A	BC	D	E

- Using fit-spans, column sizes should be identical to the first table (in all three below):

Hello world! Hello!			E
A	BC	D	E
A	BC	D	E
A	BC	D	E
A	BC	D	E

Hello world! Hello!			E
A	BC	D	E
A	BC	D	E
A	BC	D	E
A	BC	D	E

Hello world! Hello!			E
A	BC	D	E
A	BC	D	E
A	BC	D	E
A	BC	D	E

Other fit-spans tests

1. Columns

A	B	C	D
---	---	---	---

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat.			
A	B	C	D

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat.			
A	B	C	D

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat.			
A	B	C	D

2. Rows

A	B
C	B
D	E

A	
C	
D	E

A	
C	
D	E

A	
C	
D	E

Rowspans spanning all fractional columns and auto (Issues #56 and #78)

For issue #78

- Columns should have the same size in all samples below:

a	b	c	d	e
Lorem ipsum dolor sit amet.				
a	b	c	d	e
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.				
a	b	c	d	e

a	b	c	d	e
Lorem ipsum dolor sit amet.				
a	b	c	d	e
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.				
a	b	c	d	e
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore.				

a	b	c	d	e
Lorem ipsum dolor sit amet.				
a	b	c	d	e
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.				
a	b	c	d	e
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore.				

For issue #56

- Columns should have the same size in all samples below:

A	BC	D
A	BC	D
A	BC	D
A	BC	D

Hello world! Hello!		
A	BC	D
A	BC	D
A	BC	D
A	BC	D

Hello world! Hello!		
A	BC	D
A	BC	D
A	BC	D
A	BC	D

Ensure the heuristic doesn't apply on auto width pages. Second table should have a longer second column.

A	BC	D
A	BC	D
A	BC	D
A	BC	D

Hello world! Hello!		
A	BC	D
A	BC	D
A	BC	D
A	BC	D

Hello world! Hello!		
A	BC	D
A	BC	D
A	BC	D
A	BC	D