

Test

test

deeteeeeereeedetteeeee

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	
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a		d		74

My		Headedr	
a		d	75
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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	cdeecfeeeeeeeeeeeeeeeerdtteettetteeefdxexeeeddeeeetec

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

eeeedreetetdeederfttddeerrreddeeteeeeeerettededteeedeceesdeedeeefteetdedeeesefdferrreeedeefeettgederedaeeteeedd

s s s s

s

The diagram illustrates the Huffman tree construction for the string "abcccccdddeeff". It shows the initial frequency counts and the step-by-step merging of nodes to form the final Huffman tree.

Initial Frequencies:

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

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

The nodes 'a' and 'b' are merged into a new node 'ab' with a frequency of 2.

Step 2: Merging 'c' and 'c'.

The two 'c' nodes are merged into a new node 'cc' with a frequency of 2.

Step 3: Merging 'cd' and 'd'.

The nodes 'cd' and 'd' are merged into a new node 'cdd' with a frequency of 2.

Step 4: Merging 'e' and 'e'.

The two 'e' nodes are merged into a new node 'ee' with a frequency of 2.

Step 5: Merging 'f' and 'f'.

The two 'f' nodes are merged into a new node 'ff' with a frequency of 2.

Step 6: Merging 'ab' and 'cc'.

The nodes 'ab' and 'cc' are merged into a new node 'abcc' with a frequency of 4.

Step 7: Merging 'cdd' and 'ee'.

The nodes 'cdd' and 'ee' are merged into a new node 'cdee' with a frequency of 4.

Step 8: Merging 'ff' and 'ff'.

The two 'ff' nodes are merged into a new node 'ffff' with a frequency of 4.

Step 9: Merging 'abcc' and 'cdee'.

The nodes 'abcc' and 'cdee' are merged into a new node 'abcccdee' with a frequency of 8.

Step 10: Merging 'ffff' and 'abcccdee'.

The nodes 'ffff' and 'abcccdee' are merged into the final root node 'abcccdeeffff' with a frequency of 12.

Final Huffman Tree Structure:

- Root: abcccdeeffff (12)
 - Left child: abcc (4)
 - Left child: a (1)
 - Right child: bcc (3)
 - Left child: b (1)
 - Right child: cc (2)
 - Left child: c (1)
 - Right child: c (1)
 - Right child: cdee (4)
 - Left child: cdd (2)
 - Left child: cd (1)
 - Right child: d (1)
 - Right child: ee (2)
 - Left child: e (1)
 - Right child: e (1)
- Right child: ffff (4)
 - Left child: ff (2)
 - Left child: f (1)
 - Right child: f (1)
 - Right child: ff (2)
 - Left child: f (1)
 - Right child: f (1)

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

Diagram illustrating a 3D coordinate system with axes labeled a , c , f and b , d , g and J , K , L . The axes are represented by colored lines: a vertical yellow line for the first axis, a horizontal green line for the second, and a diagonal blue line for the third. The origin is labeled d . The points on the axes are labeled a , c , f on the vertical axis, b , d , g on the horizontal axis, and J , K , L on the diagonal axis.

a	b	
c	d	ed
f	g	

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

<i>a</i> R0			<i>b</i> R0	<i>j</i> R0
<i>c</i> R1	<i>dd</i> R1		<i>e</i> R1	<i>K</i> R1
<i>f</i> R2			<i>g</i> R2	<i>L</i> R2

<i>q</i>	<i>q</i>	<i>q</i>
<i>q</i>		

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

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

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

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

a		b		c		d		e
f		ggggoprdeetet				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:

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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