

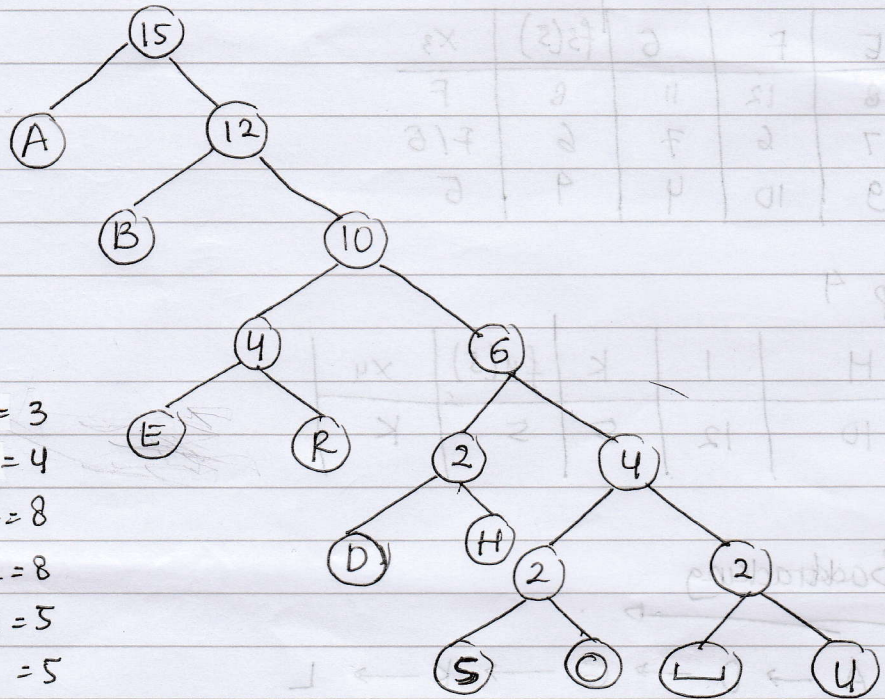
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# BERDOA BERUSAHA

Huruf	A	B	E	R	D	H	O	S	U	L
keumunculan	3x	2x	2x	2x	1x	1x	1x	1x	1x	1x

efisiensi awal  $\Rightarrow 15 \times 7 = 105 \text{ bit}$

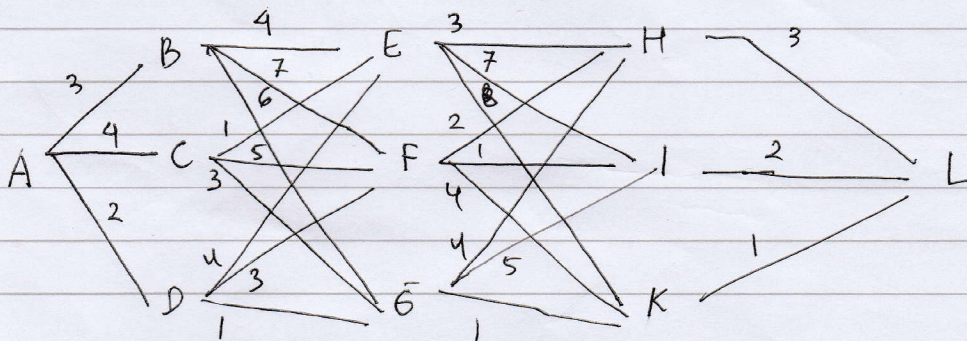
Huffman :



A	0	$1 \times 3 = 3$
B	10	$2 \times 2 = 4$
E	1100	$4 \times 2 = 8$
R	1101	$4 \times 2 = 8$
D	11100	$5 \times 1 = 5$
H	11101	$5 \times 1 = 5$
S	111100	$6 \times 1 = 6$
O	111101	$6 \times 1 = 6$
L	111110	$6 \times 1 = 6$
U	111111	$6 \times 1 = 6$

efisiensi akhir  $\Rightarrow 57 \text{ bit}$

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Tahap 1

S	solusi Optimum	
	$f_1(s)$	x
B	3	A
C	4	A
D	2	A



## Tahap 2

$s \backslash x_2$	B	C	D	$f_2(s)$	$x_2$
E	7	5	6	5	C
F	10	9	5	5	D
G	9	7	3	3	D

## Tahap 3

$s \backslash x_3$	E	F	G	$f_3(s)$	$x_3$
H	8	12	11	8	F
I	7	6	7	6	F/G
J	9	10	4	4	G

## Tahap 4

$s \backslash x_4$	H	I	K	$f_4(s)$	$x_4$
L	10	12	5	5	K

Backtracking

A → D → G → K → L

