



$choice_i$	p_i	$log_2(1/p_i)$	$p_i * log_2(1/p_i)$	Huffman encoding	Expected length
"A"	1/3	1.58 bits	0.528 bits	10	0.667 bits
"В"	1/2	1 bit	0.5 bits	0	0.5 bits
"C"	1/12	3.58 bits	0.299 bits	110	0.25 bits
"D"	1/12	3.58 bits	0.299 bits	111	0.25 bits
			1.626 bits		1.667 bits

256 Quads: 1.633 bits/ sym

6.02 Spring 2012

Lecture 2, Slide #3









Can we do adaptive variable-length encoding?

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Lecture 2, Slide #7











