



Information Theory, Coding and Cryptography - ...

Equal to 1 None	
No, the answer is incorrect. Score: 0	
Accepted Answers: More than 1	
9) The channel shown below is a Probability 0 $1-p$ 0 1-q 1 $1-p$ 1	1 point
binary asymmetric channel	
binary symmetric channel	
ternary symmetric channel	
ternary asymmetric channel	
No, the answer is incorrect. Score: 0	
Accepted Answers: binary symmetric channel	
10)Which of the following gives the differential entropy, h(X), for the uniformly distributed random variable X with the pdf, $p(x) = \begin{cases} a^{-1} & (0 \le x \le a) \\ 0 & (otherwise) \end{cases}$	1 point
log ₂ (2a)	
$\log_2(a^2)$	
log ₂ (a)	
$\log_2(a^{-1})$	
No, the answer is incorrect. Score: 0	
Accepted Answers: log ₂ (a)	
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