$$\max \, \{ (\frac{1}{p}) \, | \, \text{Subject} \, \{ e^{-\sum b^{i}} = 1 \}$$

1 convex

$$2 \left( \frac{1}{x} + \left( \frac{1-\lambda}{x} \right) \right) \neq \left( \frac{1}{x} + \left( \frac{1-\lambda}{x} \right) \right)$$

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E(f(X)) > f(EX)

2 [6, ]

$$E(fX) = f(EX)$$

$$P(f(x)) + (1-P)f(x_2) = f(Px_1 + (1-P)x_2)$$

$$= f(X) + f(X) + f(X) + f(X) + f(X) + f(X)$$

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$$= f(X) + f(X) +$$

Show that 
$$D(p \parallel u) = (b_g \mid A) - H(x)$$
 $0 \quad \text{Imperior}$ 
 $Y - A - \text{value}$ 

$$\frac{g \cdot m(x)}{A} \rightarrow \mathbb{R}$$

$$\frac{H(g(x)) \leq H(x)}{H(x,g(x))} = H(x) + H(\frac{g(x)}{x}) + \frac{\chi}{x}$$

$$\frac{1}{x} \frac{1}{x} \frac{1}$$

$$H(X,g(X)) = H(g(X)) + H(X | g(X))$$

$$\frac{P}{P} \rightarrow \frac{P}{P}$$

$$C(B) = |P|$$

$$C(P) = |P|$$

$$K(6) \stackrel{!}{=} 2|6|$$
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