

$$H(X,Y) = -\mathbb{E}_{p(x,y)} \left[\log p(x,y) \right]$$

$$\int chain vale$$

$$p(x,y) = p(x) \cdot p(y) \times y$$

$$= p(y) \cdot p(x) \times y$$

$$\log (a \cdot b) = \log a + \log b$$

$$\log p(x,y) = \log p(x) + \log p(y) \times y$$

$$= \log p(y) + \log p(x) \times y$$

$$= \log p(y) + \log p(x) \times y$$

$$= -\mathbb{E}_{p(x,y)} \left(\log p(x) \right) - \mathbb{E}_{p(x,y)} \left(\log p(y) \right) \times y$$

$$+ H(Y|X) D$$

$$ccd P$$

$$demosaling white bischard bischard solutions are supported by the position of the posi$$

· histogram eguoclization.