

1.
$$J = \frac{1}{m} \sum_{i} \lfloor (\hat{y}_{i}, \hat{y}_{d}) + \frac{1}{m} \sum_{j} |\hat{y}_{i}|^{2}$$

$$= \frac{1}{m} \sum_{i} \lfloor (\hat{y}_{i}, \hat{y}_{d}) + \frac{1}{m} \sum_{j} |\hat{y}_{i}|^{2}$$

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