$$F(x+y) = dx + dy$$

$$F(x+y) = F(x) + F(y)$$

$$F(x) = dx$$

$$f(x \oplus y) = f(x) \oplus f(y)$$

$$E_{k}(x) = y$$

$$E_{k}(x) = y'$$

For each
$$k \neq 5-t$$
. First bit is zero
$$E_{K*}(x) \stackrel{?}{=} y$$

$$E_{K*}(x) \stackrel{?}{=} y'$$

$$E_{K*}(x) = y'$$

$$DES_{K_{2}}(DES_{K_{1}}(X)) = Z$$

$$X \longrightarrow \mathbb{R}S \longrightarrow \mathbb{R}S$$