$$= ax + by - \phi(x+y) = ax+by - \phi$$

$$\boxed{\phi = ax + by} \; ,$$

$$\left(y = 1 - x \right)$$

$$\frac{dx}{dt} = 0 \; = x(a - \phi)$$

$$= x(a - ax - b(1-x))$$

$$= x(a(1-x) - b(1-x))$$

$$= x(1-x)(a-b)$$

$$\uparrow \qquad \uparrow \qquad \uparrow$$

$$x=0 \qquad x=1 \qquad \boxed{a=b}$$