$\bar{z}xy + z\bar{x}y + zx\bar{y} + zxy$

$\bar{z}xy + z\bar{x}y + zx(\bar{y}+y)$ — Distributive

$\bar{z}xy + z\bar{x}y + zx(y+\bar{y})$ — Commutative

$\bar{z}xy + z\bar{x}y + zx(\_\_)$ — Complement

$\bar{z}xy + z\bar{x}y + zx$ — Identity

$\bar{z}xy + z(\bar{x}y + x)$

$\bar{z}xy + z(\bar{x}y + x+xy)$ — Absorption

$\bar{z}xy + z(\bar{x}y + xy + x)$

$\bar{z}xy + z((\bar{x}+x)y + x)$

$\bar{z}xy + z((\_\_)y + x)$ — Commutative

$\bar{z}xy + z(1 \cdot y + x)$

$\bar{z}xy + z(y + x)$ — Distributive

$\bar{z}xy + \_\_\_\_\_$

$(\bar{z}x + z)y + zx$

$(\bar{z}x + z + zx)y + zx$ — Commutative

$zx + \bar{z}x + z)y + zx$ — Distributive

$((\_\_)x + z)y + zx$ — Complement

$(1x + z)y + zx$ — Identity

$(\_ + z)y + zx$ — Distributive

$xy + zy + zx$