



$$\begin{aligned}
 V_{in}(t) &= V_0 \cos(\omega t) & \text{— (red solid line)} \\
 V_{out}(t), C1 & & \cdots \cdots \cdots \text{ (blue dotted line)} \\
 V_{rec}(t) & & \text{— (black solid line)} \\
 V_{out}(t), C2 > C1 & & \cdots \cdots \cdots \text{ (magenta dotted line)}
 \end{aligned}$$