① $V_{p\,sec} = 24\sqrt{2} = 33{,}97\,V_p$ $V_{imax} = 33{,}97 - 0{,}71 = 33{,}23\,V$

$V_{imin} = 12 + 3 = 15\,V$ $V_{ond} = 33{,}23 - 15 = 18{,}23\,V$

$V_{ccap} = 33{,}23 - (18{,}23/2) = \boxed{24{,}12\,V}$

② $V_{p\,sec} = 18\sqrt{2} = 25{,}46\,V_p$ $V_{imax} = 25{,}46 - 0{,}66 = 24{,}80\,V$

$V_{imin} = 12 + 3 = 15$ $V_{ond} = 24{,}8 - 15 = 9{,}8\,V$

$V_{ccap} = 24{,}8 - (9{,}8/2) = \boxed{19{,}90\,V}$

③ $V_{p\,sec} = 19\sqrt{2} = 26{,}87\ V_p$ $V_{imax} = 26{,}87 - 0{,}67 = 26{,}20\ V$

$V_{imin} = 18 + 3 = 21\ V$ $V_{ond} = 26{,}2 - 21 = 5{,}2\ V$

$V_{cap} = 26{,}2 - (5{,}2/2) = \boxed{23{,}60\ V}$

④ $V_{p\,sec} = 20\sqrt{2} = 28{,}28\ V_p$ $V_{imax} = 28{,}28 - 0{,}68 = 27{,}60\ V$

$V_{imin} = 6 + 3 = 9\ V$ $V_{ond} = 27{,}6 - 9 = 18{,}6\ V$

$V_{cap} = 27{,}6 - (18{,}6/2) = \boxed{18{,}30\ V}$

⑤ $V_{psec} = 18\sqrt{2} = 25{,}46\ V_p$ $V_{imax} = 25{,}46 - 0{,}56 = 24{,}90\ V$

$V_{imin} = 6 + 3 = 9\ V$ $V_{ond} = 24{,}9 - 9 = \boxed{15{,}90\ V}$

⑥ $V_{psec} = 22\sqrt{2} = 31{,}11\ V_p$ $V_{imax} = 31{,}11 - 0{,}6 = 30{,}51\ V$

$V_{imin} = 18 + 3 = 21\ V$ $V_{ond} = 30{,}51 - 21 = \boxed{9{,}51\ V}$

④ $V_{prac} = 22\sqrt{2} = 31{,}11\ V_p$ $V_{imax} = 31{,}11 - 0{,}65 = 30{,}46\ V$

$V_{imin} = 12 + 3 = 15$ $V_{ond} = 30{,}46 - 15 = 15{,}46\ V$

$I_{max} = \frac{1{,}26}{12} = 105\ mA$ $C = \frac{105m}{60 \cdot 15{,}46} = \boxed{113{,}18\ \mu F}$

⑤ $V_{prac} = -24\sqrt{2} = -33{,}94 V_p$ $V_{imax} = -33{,}94 + 0{,}72 = -33{,}22 V$

$V_{imin} = -12 - 3 = -15\ V$ $V_{ond} = -33{,}22 - (-15) = -18{,}22\ V$

$V_{cap} = -33{,}22 - (-18{,}22/2) = \boxed{-24{,}11 V}$

⑨ $V_{p\,sec} = -83\sqrt{2} = -33{,}53\,V_p$ $V_{imax} = -32{,}53 + 0{,}66 = -31{,}87\,V$

$V_{imin} = -5 - 3 = -8\,V$ $V_{ond} = -31{,}87 - (-8) = -23{,}87\,V$

$V_{resp} = -31{,}87 - (-23{,}87/2) = \boxed{-19{,}93\,V}$

⑩ $V_{p\,sec} = -19\sqrt{2} = -26{,}87\,V_p$ $V_{imax} = -26{,}87 + 0{,}74 = -26{,}13\,V$

$V_{imin} = -12 - 3 = -15\,V$ $V_{ond} = -26{,}13 - (-15) = \boxed{-11{,}13\,V}$