

26. (a) $R_{\text{eq}}(FH) = (10.0\ \Omega)(10.0\ \Omega)(5.00\ \Omega)/[(10.0\ \Omega)(10.0\ \Omega) + 2(10.0\ \Omega)(5.00\ \Omega)] = 2.50\ \Omega$.
- (b) $R_{\text{eq}}(FG) = (5.00\ \Omega)R/(R + 5.00\ \Omega)$, where $R = 5.00\ \Omega + (5.00\ \Omega)(10.0\ \Omega)/(5.00\ \Omega + 10.0\ \Omega) = 8.33\ \Omega$.
So $R_{\text{eq}}(FG) = (5.00\ \Omega)(8.33\ \Omega)/(5.00\ \Omega + 8.33\ \Omega) = 3.13\ \Omega$.