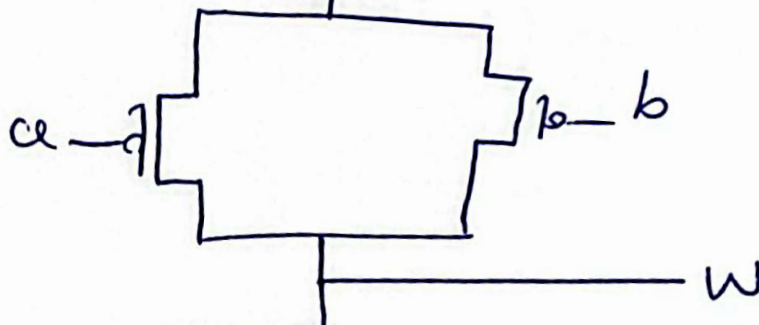
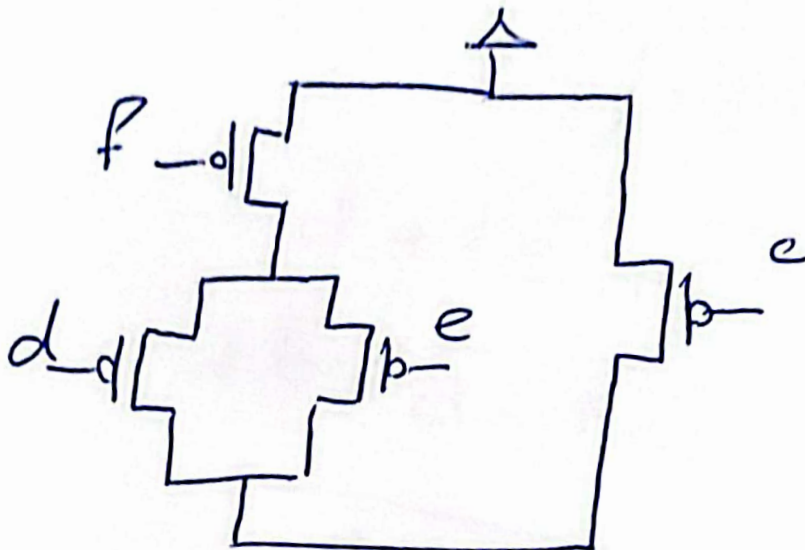


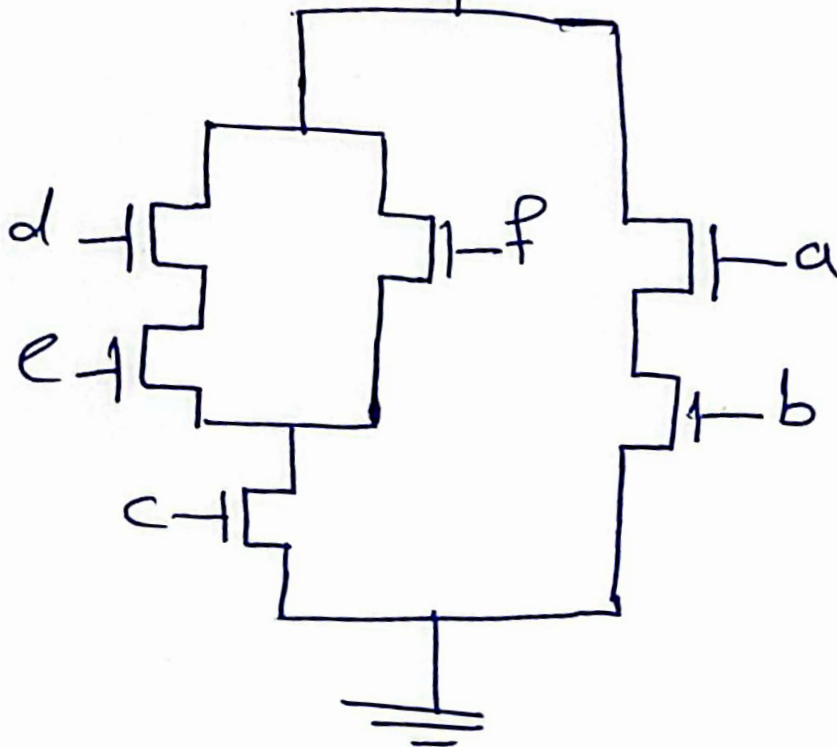
99463136

آزاده دمیروی

(الف)



+20



آزاده دهری 99463136

↓ Pmos 31

$$w = (\bar{f}(\bar{d} + \bar{e}) + \bar{c}) \cdot (\bar{a} + \bar{b}) \quad (1)$$

$$w = (\bar{f}\bar{d} + \bar{f}\bar{e} + \bar{c})(\bar{a} + \bar{b})$$

$$w = \bar{a}\bar{f}\bar{d} + \bar{b}\bar{f}\bar{d} + \bar{f}\bar{e}\bar{a} + \bar{f}\bar{e}\bar{b} + \bar{a}\bar{c} + \bar{b}\bar{c}$$

$$Nmos31 \rightarrow w = \overline{c(f + de)} + ab$$

+15

