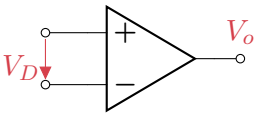
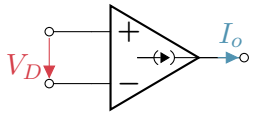
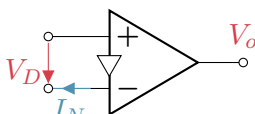
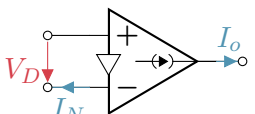


| | Voltage output | Current output |
|---------------|--|--|
| Voltage input | <p>Standard OPA VV-OPA</p>  $V_o = A_D V_D$ | <p>Transconductance amplifier VC-OPA</p>  $I_o = g_{m,D} V_D$ |
| Current input | <p>Transimpedance amplifier CV-OPA</p>  $V_o = I_N Z = A_D V_D$ | <p>Current amplifier CC-OPA</p>  $I_o = k_I I_N = g_{m,D} V_D$ |