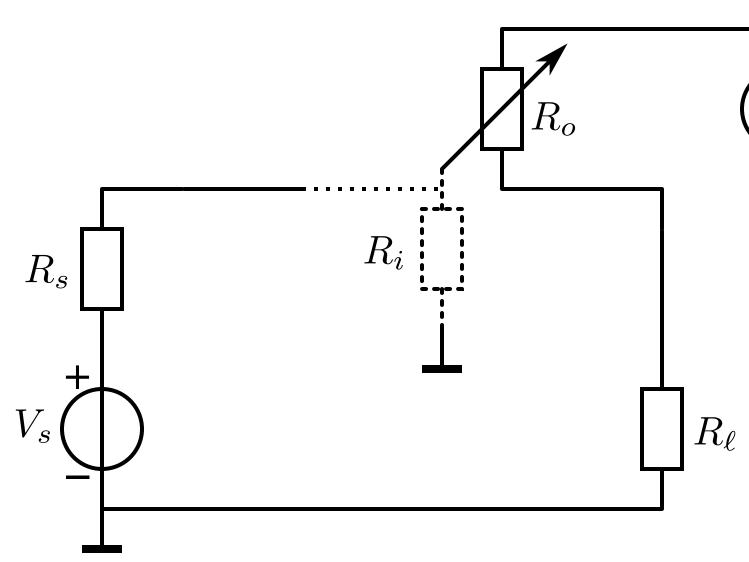
Structured Electronic Design Principle of biasing

Biasing:

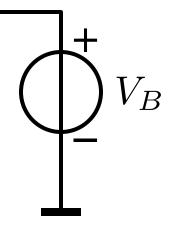
Biasing: Application of techniques for fixing the electrical operating conditions of electronic devices.

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Trans-resistor with voltage supply source

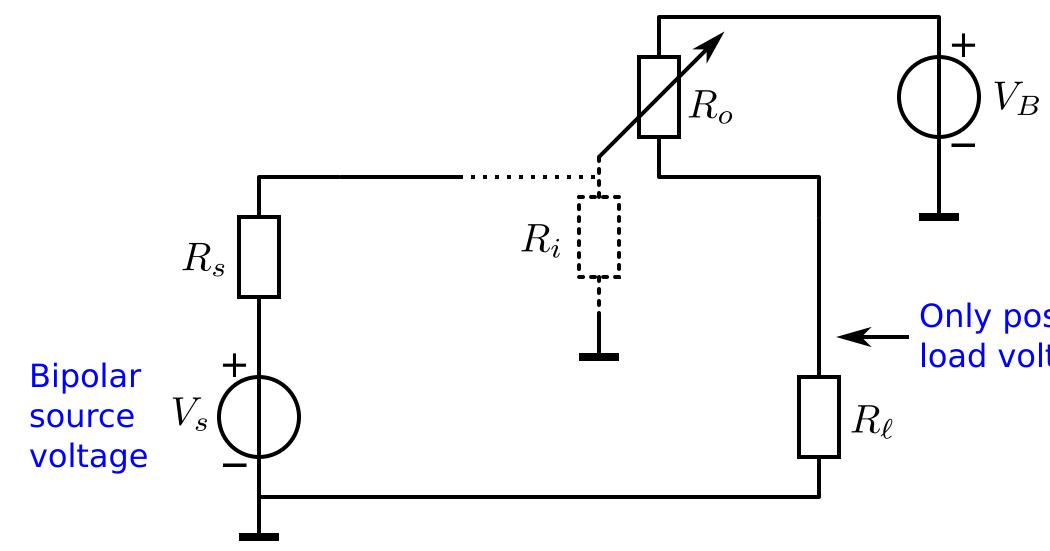






Biasing: Application of techniques for fixing the electrical operating conditions of electronic devices.

Trans-resistor with voltage supply source

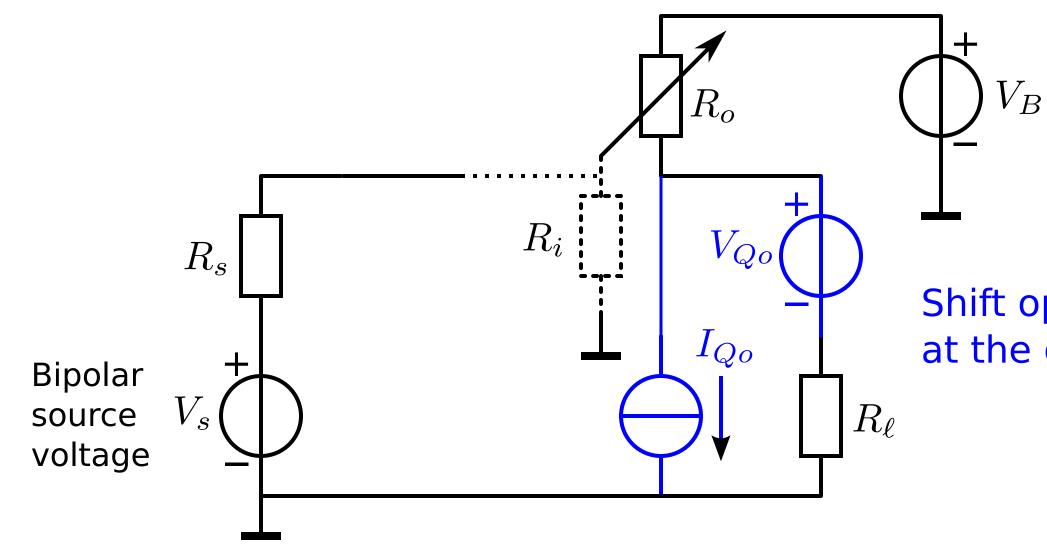




Only positive load voltage

Biasing: Application of techniques for fixing the electrical operating conditions of electronic devices.

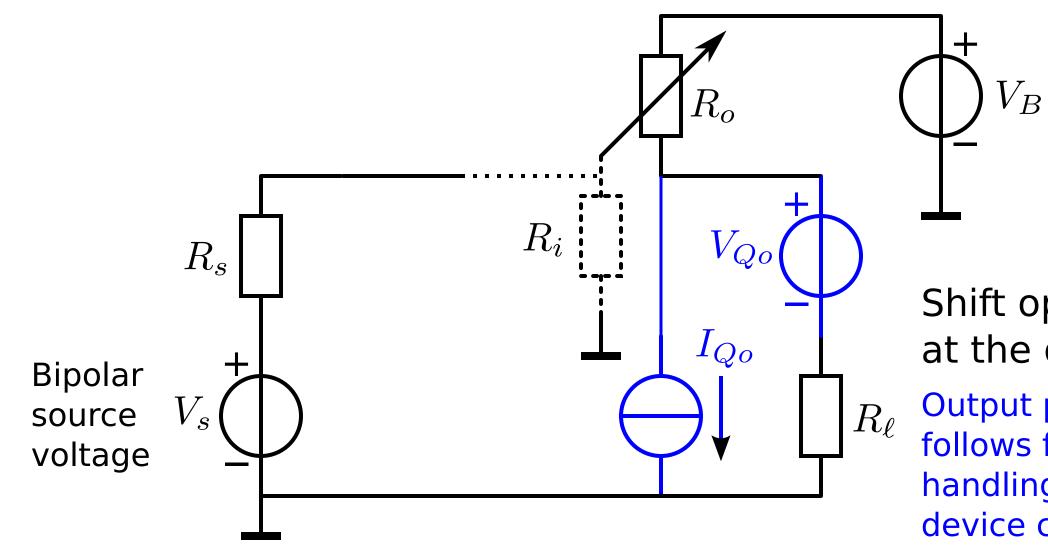
Trans-resistor with voltage supply source



Shift operating point at the output port

Biasing: Application of techniques for fixing the electrical operating conditions of electronic devices.

Trans-resistor with voltage supply source

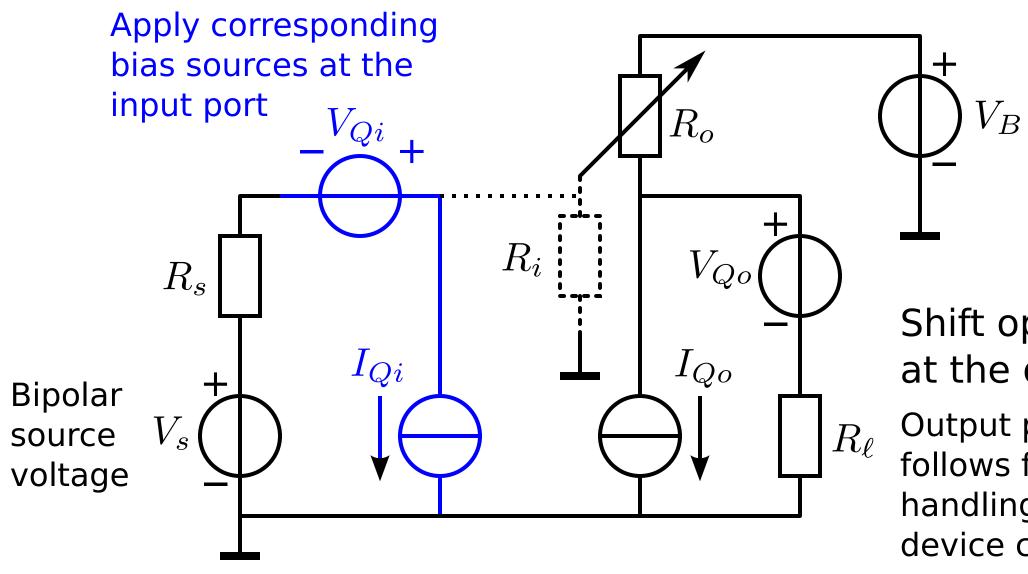


Shift operating point at the output port:

 Output port operating conditions follows from voltage and current handling requirements and device characteristics

Biasing: Application of techniques for fixing the electrical operating conditions of electronic devices.

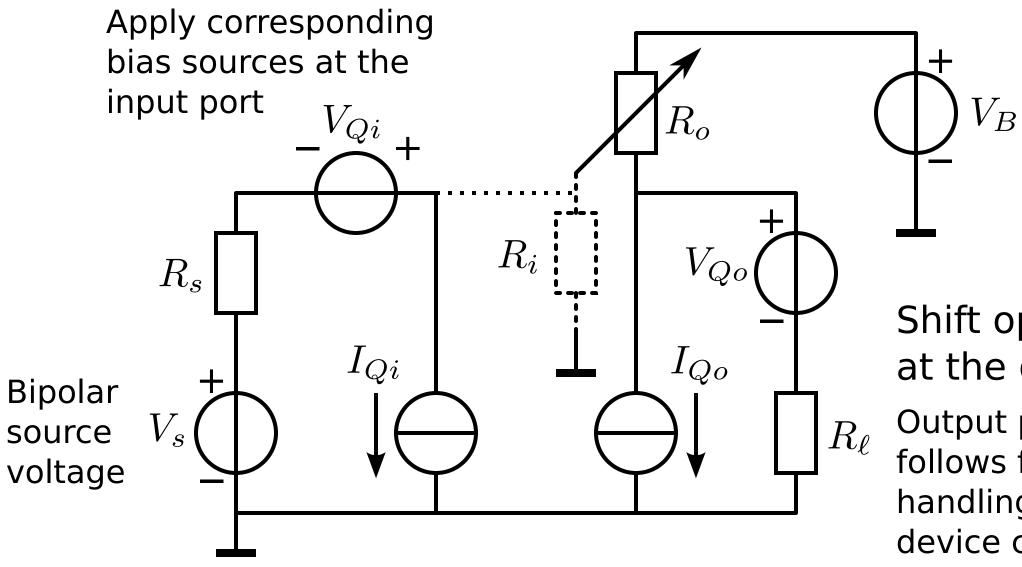
Trans-resistor with voltage supply source



Shift operating point at the output port:

Output port operating conditions follows from voltage and current handling requirements and device characteristics

Biasing: Application of techniques for fixing the electrical operating conditions of electronic devices.



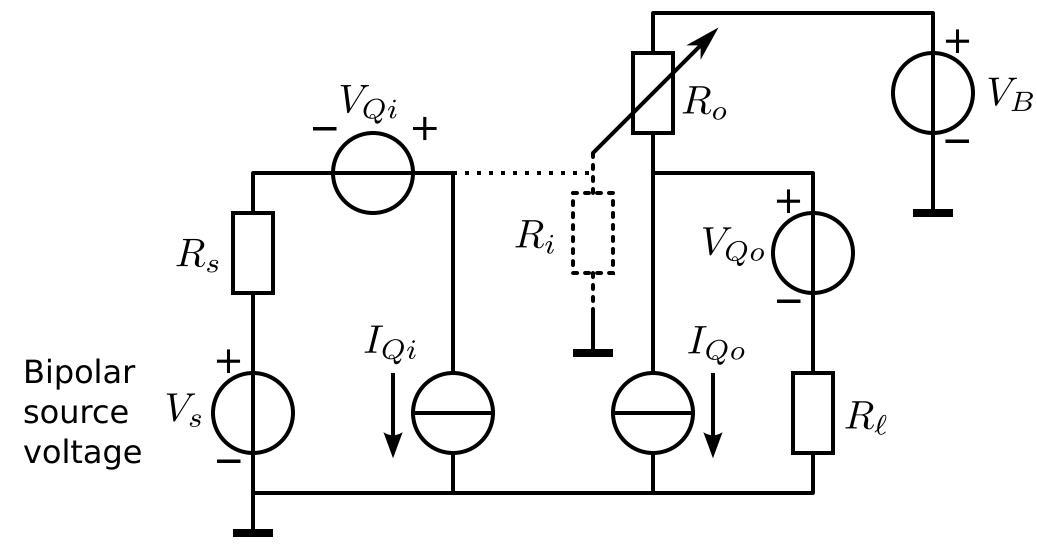
Biased trans-resistor

Shift operating point at the output port:

Output port operating conditions follows from voltage and current handling requirements and device characteristics

Biasing: Application of techniques for fixing the electrical operating conditions of electronic devices.

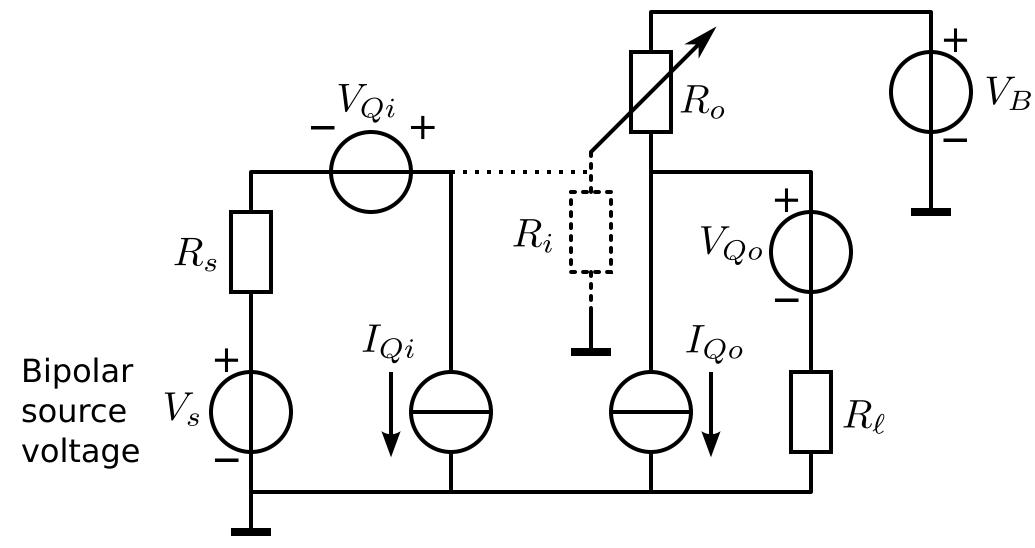
Biased trans-resistor



Zero input corresponds with zero output

Biasing: Application of techniques for fixing the electrical operating conditions of electronic devices.

Biased trans-resistor



Zero input corresponds with zero output