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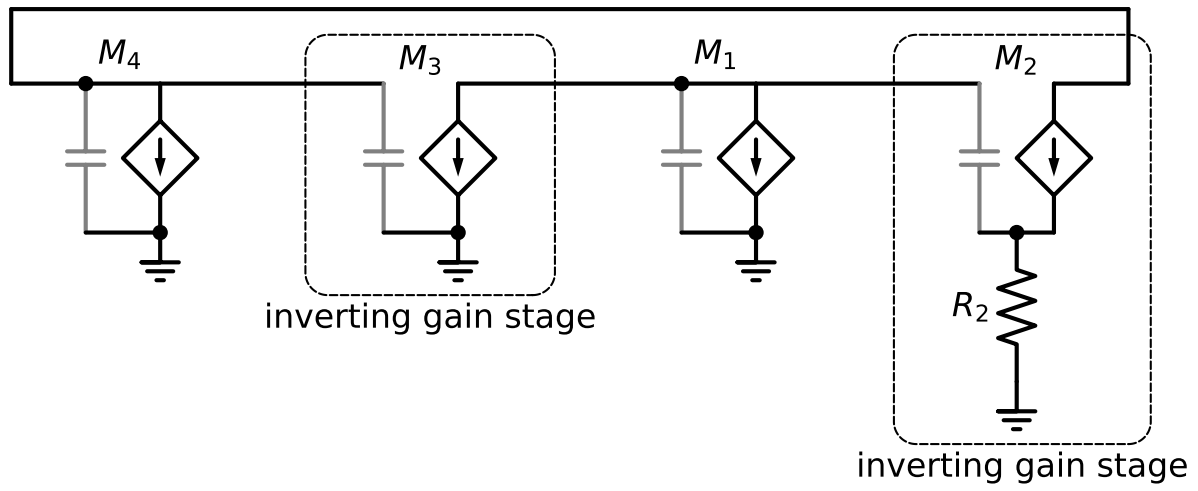


Figure 1: Small signal equivalent model for the constant- $g_m$  bias circuit