$$(1) E = 10V \underbrace{\begin{array}{c} S_i \\ D_1 \\ S_i \\ D_2 \end{array}}$$

$$(0) \quad 0V \underbrace{\begin{array}{c} S_i \\ D_2 \\ \end{array}}$$

$$R \underbrace{\begin{array}{c} 1k\Omega \\ \end{array}}$$