

Notes on "Topoi" by Goldblatt

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$$\begin{array}{c}
 c_k \\
 \lrcorner \quad \rhd \\
 c_i \quad \succ \quad c_j
 \end{array}$$

$$\begin{array}{cc}
 c_k & c_k \\
 \lrcorner \quad \lrcorner & \lrcorner \quad \rhd \\
 c_i \sim c_j & c_i \sim c_j
 \end{array}$$

$$\begin{array}{c}
 c_k \\
 \curvearrowright \quad \curvearrowleft \\
 c_i \sim c_j
 \end{array}$$

$$\begin{array}{c}
 c_k \\
 \lrcorner \quad \rhd \\
 c_i \quad \succ \quad c_j
 \end{array}$$

$$\begin{array}{cc}
 c_k & c_k \\
 \lrcorner \quad \rhd & \curvearrowright \quad \lrcorner \\
 c_i \sim c_j & c_i \sim c_j
 \end{array}$$