```
\begin{array}{l} \ddot{U}_{0} = \\ U_{1}^{\dagger} = \\ Ua = \langle Ua, Ua \rangle^{1/2} = \langle UU^{\dagger}a, a \rangle^{1/2} = \langle a, a \rangle = a. \end{array}
\ddot{\ddot{\varsigma}}_{C}(X) \\ \ddot{\zeta}_{C}(X) \\ \ddot{\zeta}_{C}(X
                                                \det(g\cdot) = \det(g) \in
                                                        (, ×)
                       \begin{array}{l} W \subset V \\ W \subset V \\ V \\ u, v \in V \\ W \\ v+W \\ v-W \\ v \in W \\ W \\ v-W \\ w \in W \\ W \\ u+W = v+Wiffu-v \in W. \end{array}
                       \begin{array}{l} u+w = v+w \ if \ fu-c \\ H \subset G \\ G \\ a, b \in G \\ aH \\ bH \\ ab \in H \\ ba \in H \\ dH \\ aH = bHiffab \in H. \end{array}
                               \begin{array}{l} aH = \\ bH \\ bH \\ dh_1, h_2 \in \\ H \\ ah_1 = \\ bh_2 \\ ab = \\ h_1h_2 \in \\ H_1h_2 \in \\ h_1h_2 \in \\ H_2h_1 \in \\ H_3h_2 \in \\ H_4h_1 \in \\ H_3h_2 \in \\ H_4h_1 \in \\ H_4h_2 \in \\ H_5h_1 \in \\ H_5h_2 \in \\ H_5h_1 \in \\ H
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