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Let G be a group. A Weak Cayley Table mapping $\varphi : G \rightarrow G$ is a bijection such that $\varphi(g_1g_2)$ is conjugate to $\varphi(g_1)\varphi(g_2)$ for all g_1, g_2 in G . The set of all such mappings forms a group $\mathcal{W}(G)$ under composition. We study $\mathcal{W}(G)$ for the seventeen wallpaper groups G . (Received August 17, 2015)