

$$\mathcal{G} \ltimes \mathcal{M} \rightarrow \mathcal{M}$$

$$\mathcal{G}_{\blacktriangleleft} \overbrace{\mathcal{M}_{\blacktriangleleft_{\infty}}^{\bullet} \mathcal{M}_{\blacktriangleleft_{\infty}}^{\bullet}}^{\bullet}$$