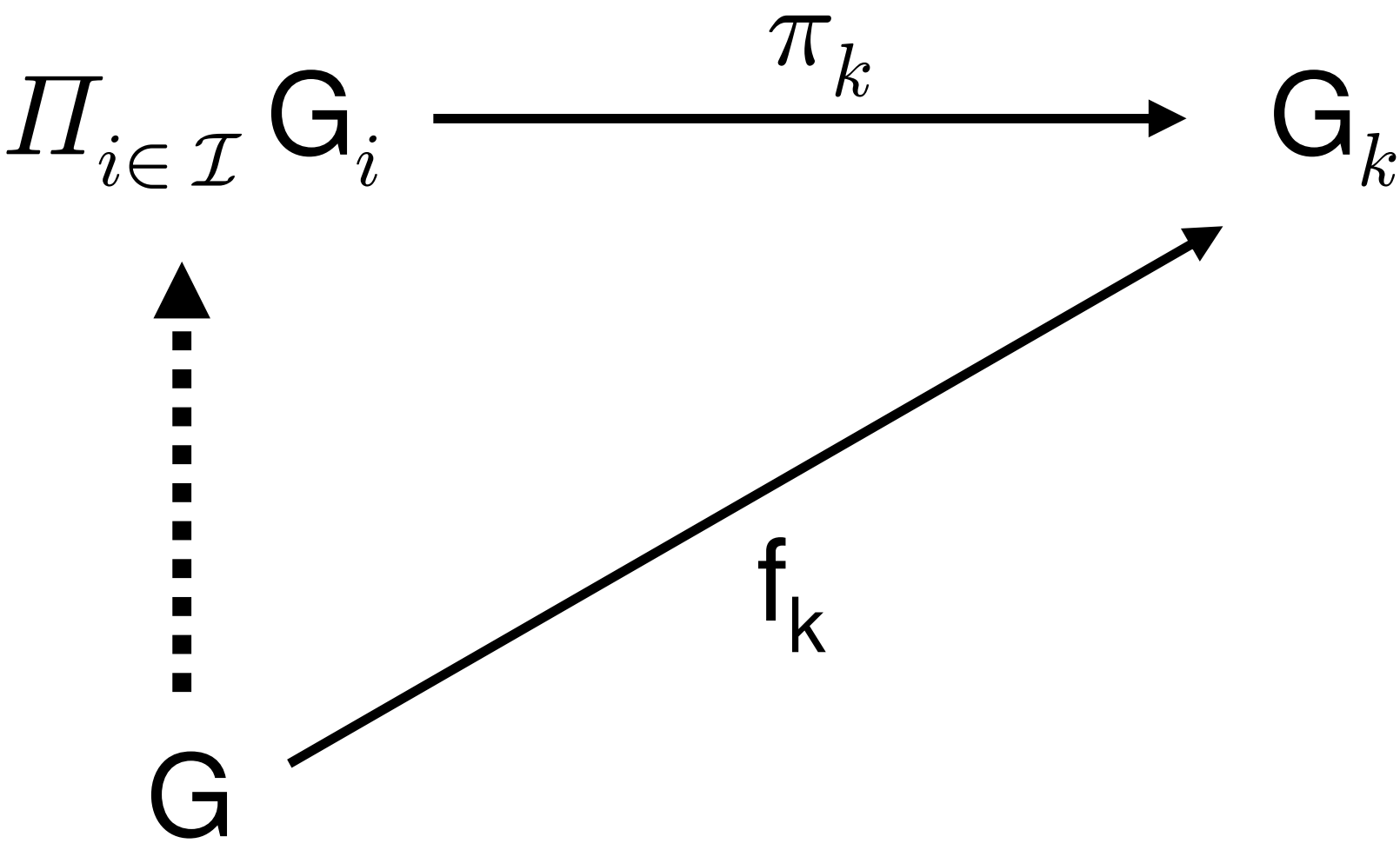
$\Pi_{i \in \mathcal{I}}$ G$_i$
π_k
G$_k$
f$_k$
G