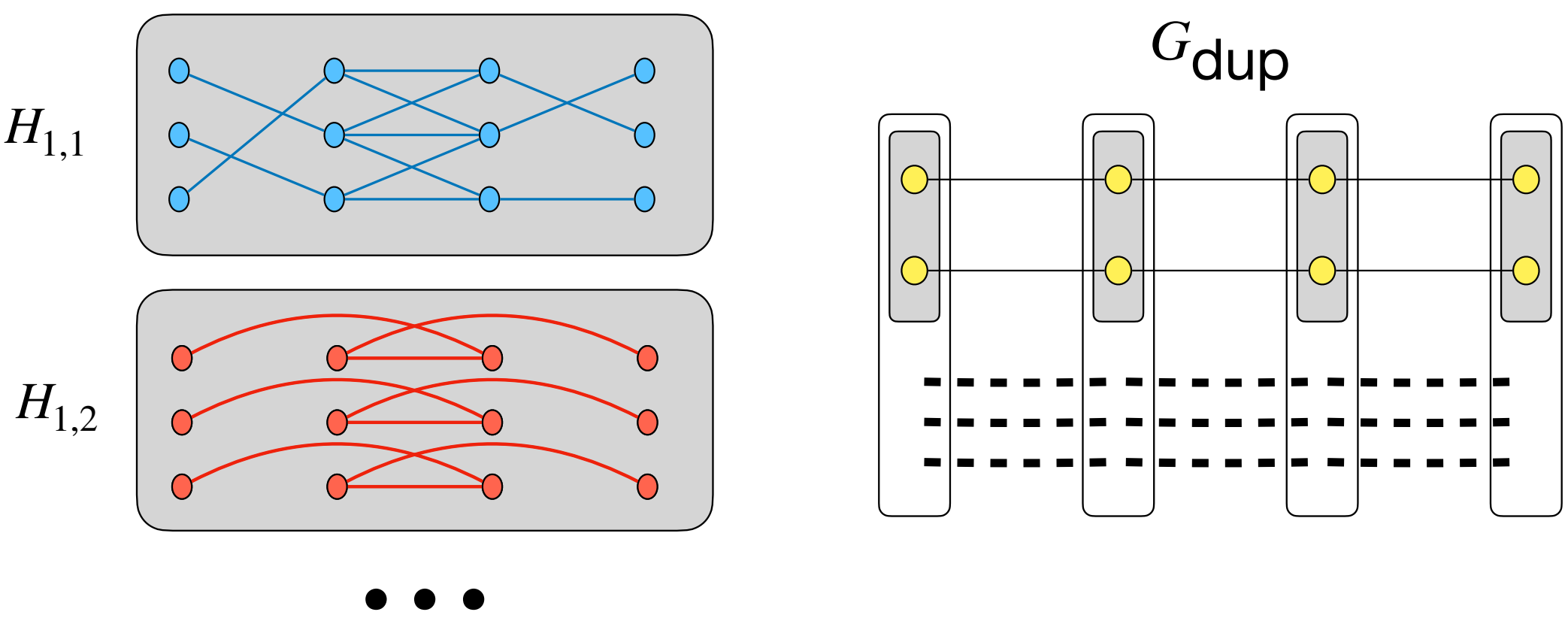

$H_{1,1}$
$H_{1,2}$
G_{dup}