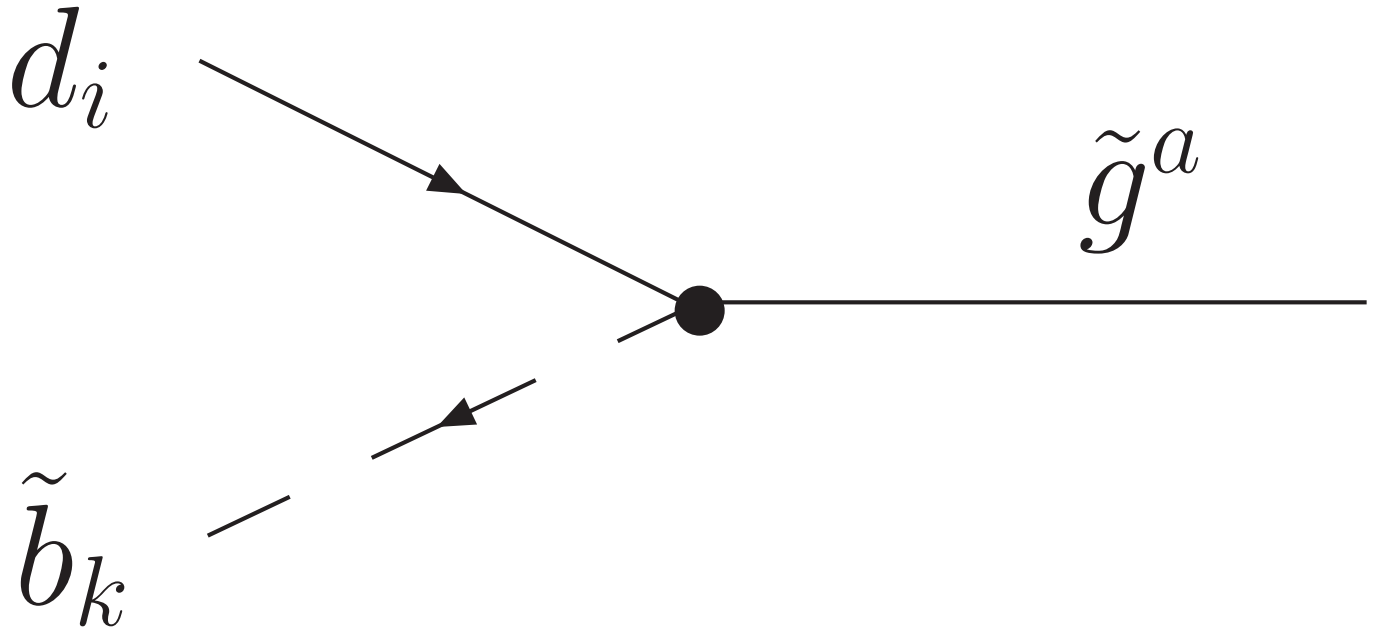
$d_i$
$\tilde{g}^a$
$\tilde{b}_k$