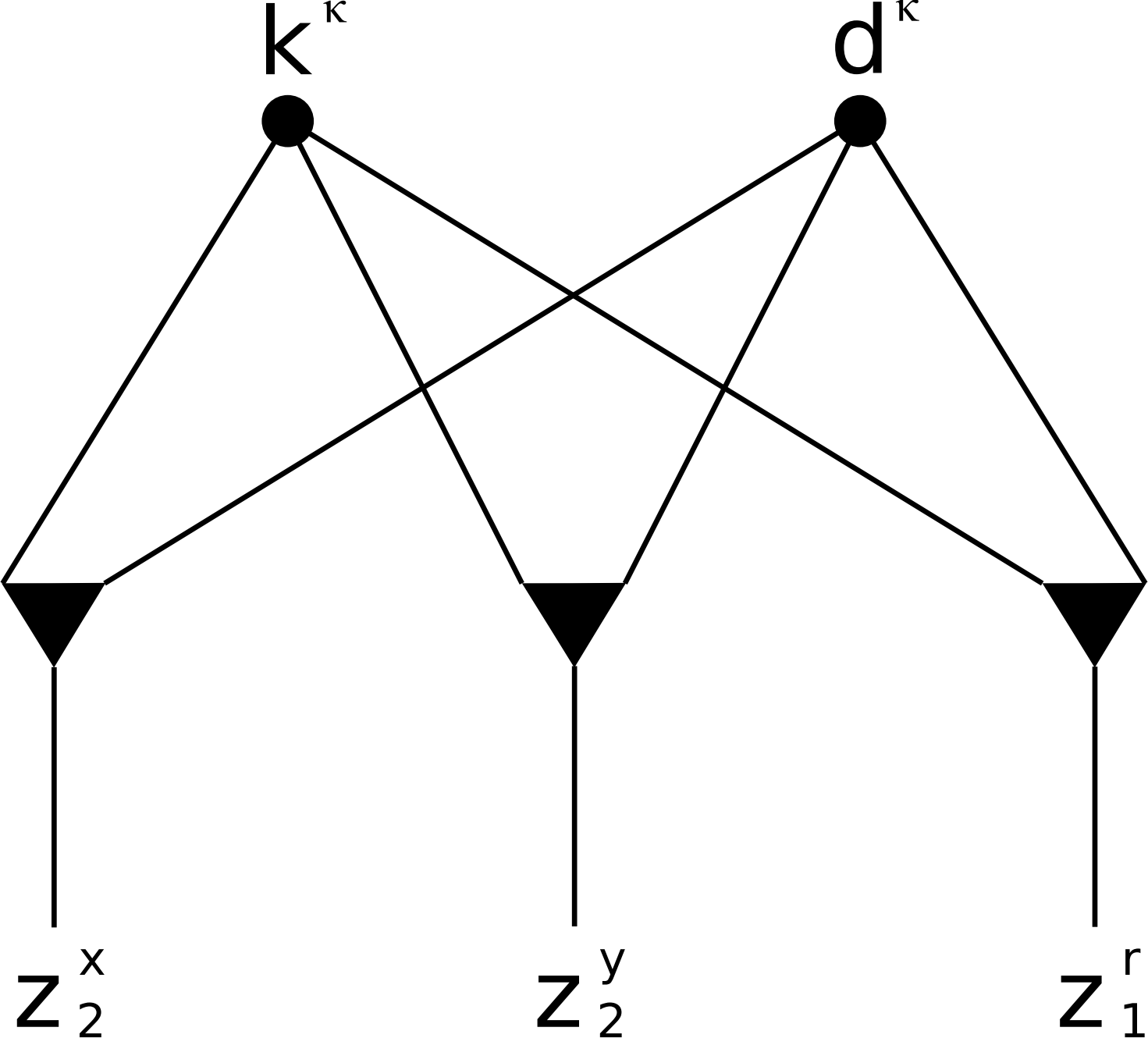
k^{κ}
d^{κ}
z_2^x
z_2^y
z_1^r