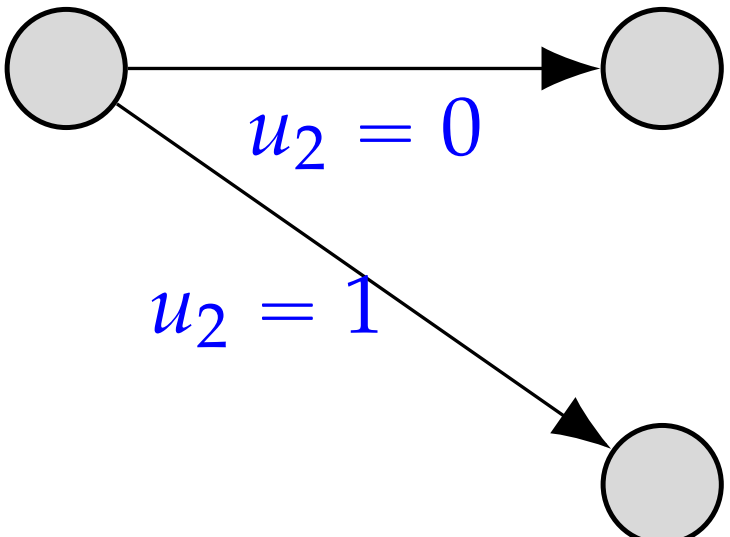
$x_2 = 0$ $f_0(x_2, u_2 = 0, k = 2)$



$f_0(x_2, u_2 = 1, k = 2)$