

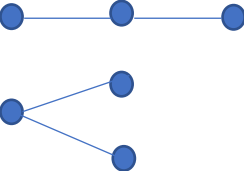
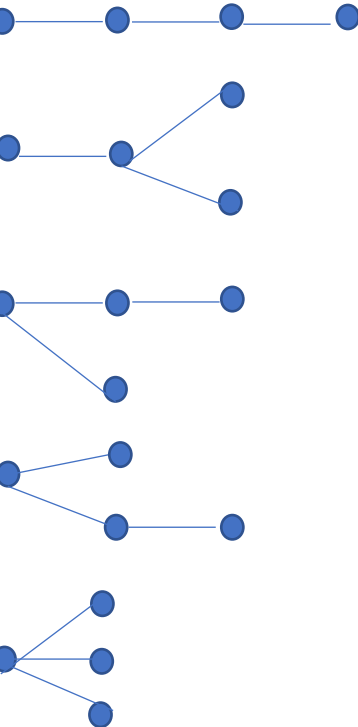


Chain size $y$	Number of infections per individual	Probability	Total probability of chain size $y$
$y = 1$ 	$\{0\}$	$p_0$	$p_0$
$y = 2$ 	$\{1,0\}$	$p_1 p_0$	$p_1 p_0$
$y = 3$ 	$\{1,1,0\}$	$p_1^2 p_0$	$p_1^2 p_0 + p_2 p_0^2$
	$\{2,0,0\}$	$p_2 p_0^2$	
$y = 4$ 	$\{1,1,1,0\}$	$p_1^3 p_0$	$p_1^3 p_0 + 3 p_2 p_1 p_0^2 + p_3 p_0^3$
	$\{1,2,0,0\}$	$p_1 p_2 p_0^2$	
	$\{2, 1,0,0\}$	$p_2 p_1 p_0^2$	
	$\{2, 0,1,0\}$	$p_2 p_0 p_1 p_0$	
	$\{3, 0,0,0\}$	$p_3 p_0^3$	