

$\rho_{0,0} = 45$	$\rho_{0,1} = 16$	$\rho_{0,2} = 3456$	$\rho_{0,3} = 16$	$\rho_{0,4} = 10774$	$\rho_{0,5} = 16$	$\rho_{0,6} = 17222$	$\rho_{0,7} = 16$	$\rho_{0,8} = 7$	$\rho_{0,9} = 5$	$\rho_{0,10} = 7$	$\rho_{0,11} = 5$	$\rho_{0,12} = 7$	$\rho_{0,13} = 5$	$\rho_{0,14} = 7$	$\rho_{0,15} = 5$	$\rho_{0,16} = 7$	$\rho_{0,17} = 5$	$\rho_{0,18} = 7$
$\rho_{1,0} = 16$	$\rho_{1,1} = 3456$	$\rho_{1,2} = 16$	$\rho_{1,3} = 10774$	$\rho_{1,4} = 16$	$\rho_{1,5} = 17222$	$\rho_{1,6} = 16$	$\rho_{1,7} = 7$	$\rho_{1,8} = 5$	$\rho_{1,9} = 7$	$\rho_{1,10} = 5$	$\rho_{1,11} = 7$	$\rho_{1,12} = 5$	$\rho_{1,13} = 7$	$\rho_{1,14} = 5$	$\rho_{1,15} = 7$	$\rho_{1,16} = 5$	$\rho_{1,17} = 7$	$\rho_{1,18} = 5$
$\rho_{2,0} = 16$	$\rho_{2,1} = 3456$	$\rho_{2,2} = 16$	$\rho_{2,3} = 10774$	$\rho_{2,4} = 16$	$\rho_{2,5} = 17222$	$\rho_{2,6} = 16$	$\rho_{2,7} = 7$	$\rho_{2,8} = 5$	$\rho_{2,9} = 7$	$\rho_{2,10} = 5$	$\rho_{2,11} = 7$	$\rho_{2,12} = 5$	$\rho_{2,13} = 7$	$\rho_{2,14} = 5$	$\rho_{2,15} = 7$	$\rho_{2,16} = 5$	$\rho_{2,17} = 7$	$\rho_{2,18} = 5$
$\rho_{3,0} = 16$	$\rho_{3,1} = 3456$	$\rho_{3,2} = 16$	$\rho_{3,3} = 10774$	$\rho_{3,4} = 16$	$\rho_{3,5} = 17222$	$\rho_{3,6} = 16$	$\rho_{3,7} = 7$	$\rho_{3,8} = 5$	$\rho_{3,9} = 7$	$\rho_{3,10} = 5$	$\rho_{3,11} = 7$	$\rho_{3,12} = 5$	$\rho_{3,13} = 7$	$\rho_{3,14} = 5$	$\rho_{3,15} = 7$	$\rho_{3,16} = 5$	$\rho_{3,17} = 7$	$\rho_{3,18} = 5$
$\rho_{4,0} = 16$	$\rho_{4,1} = 3456$	$\rho_{4,2} = 16$	$\rho_{4,3} = 10774$	$\rho_{4,4} = 16$	$\rho_{4,5} = 17222$	$\rho_{4,6} = 16$	$\rho_{4,7} = 7$	$\rho_{4,8} = 5$	$\rho_{4,9} = 7$	$\rho_{4,10} = 5$	$\rho_{4,11} = 7$	$\rho_{4,12} = 5$	$\rho_{4,13} = 7$	$\rho_{4,14} = 5$	$\rho_{4,15} = 7$	$\rho_{4,16} = 5$	$\rho_{4,17} = 7$	$\rho_{4,18} = 5$
$\rho_{5,0} = 16$	$\rho_{5,1} = 3456$	$\rho_{5,2} = 16$	$\rho_{5,3} = 10774$	$\rho_{5,4} = 16$	$\rho_{5,5} = 17222$	$\rho_{5,6} = 16$	$\rho_{5,7} = 7$	$\rho_{5,8} = 5$	$\rho_{5,9} = 7$	$\rho_{5,10} = 5$	$\rho_{5,11} = 7$	$\rho_{5,12} = 5$	$\rho_{5,13} = 7$	$\rho_{5,14} = 5$	$\rho_{5,15} = 7$	$\rho_{5,16} = 5$	$\rho_{5,17} = 7$	$\rho_{5,18} = 5$
$\rho_{6,0} = 16$	$\rho_{6,1} = 3456$	$\rho_{6,2} = 16$	$\rho_{6,3} = 10774$	$\rho_{6,4} = 16$	$\rho_{6,5} = 17222$	$\rho_{6,6} = 16$	$\rho_{6,7} = 7$	$\rho_{6,8} = 5$	$\rho_{6,9} = 7$	$\rho_{6,10} = 5$	$\rho_{6,11} = 7$	$\rho_{6,12} = 5$	$\rho_{6,13} = 7$	$\rho_{6,14} = 5$	$\rho_{6,15} = 7$	$\rho_{6,16} = 5$	$\rho_{6,17} = 7$	$\rho_{6,18} = 5$
$\rho_{7,0} = 16$	$\rho_{7,1} = 3456$	$\rho_{7,2} = 16$	$\rho_{7,3} = 10774$	$\rho_{7,4} = 16$	$\rho_{7,5} = 17222$	$\rho_{7,6} = 16$	$\rho_{7,7} = 7$	$\rho_{7,8} = 5$	$\rho_{7,9} = 7$	$\rho_{7,10} = 5$	$\rho_{7,11} = 7$	$\rho_{7,12} = 5$	$\rho_{7,13} = 7$	$\rho_{7,14} = 5$	$\rho_{7,15} = 7$	$\rho_{7,16} = 5$	$\rho_{7,17} = 7$	$\rho_{7,18} = 5$
$\rho_{8,0} = 16$	$\rho_{8,1} = 3456$	$\rho_{8,2} = 16$	$\rho_{8,3} = 10774$	$\rho_{8,4} = 16$	$\rho_{8,5} = 17222$	$\rho_{8,6} = 16$	$\rho_{8,7} = 7$	$\rho_{8,8} = 5$	$\rho_{8,9} = 7$	$\rho_{8,10} = 5$	$\rho_{8,11} = 7$	$\rho_{8,12} = 5$	$\rho_{8,13} = 7$	$\rho_{8,14} = 5$	$\rho_{8,15} = 7$	$\rho_{8,16} = 5$	$\rho_{8,17} = 7$	$\rho_{8,18} = 5$
$\rho_{9,0} = 16$	$\rho_{9,1} = 3456$	$\rho_{9,2} = 16$	$\rho_{9,3} = 10774$	$\rho_{9,4} = 16$	$\rho_{9,5} = 17222$	$\rho_{9,6} = 16$	$\rho_{9,7} = 7$	$\rho_{9,8} = 5$	$\rho_{9,9} = 7$	$\rho_{9,10} = 5$	$\rho_{9,11} = 7$	$\rho_{9,12} = 5$	$\rho_{9,13} = 7$	$\rho_{9,14} = 5$	$\rho_{9,15} = 7$	$\rho_{9,16} = 5$	$\rho_{9,17} = 7$	$\rho_{9,18} = 5$
$\rho_{10,0} = 16$	$\rho_{10,1} = 3456$	$\rho_{10,2} = 16$	$\rho_{10,3} = 10774$	$\rho_{10,4} = 16$	$\rho_{10,5} = 17222$	$\rho_{10,6} = 16$	$\rho_{10,7} = 7$	$\rho_{10,8} = 5$	$\rho_{10,9} = 7$	$\rho_{10,10} = 5$	$\rho_{10,11} = 7$	$\rho_{10,12} = 5$	$\rho_{10,13} = 7$	$\rho_{10,14} = 5$	$\rho_{10,15} = 7$	$\rho_{10,16} = 5$		

$$t = N\mathbf{1}$$
[illegible]

Finally, we see that $t_0 = \boxed{\frac{213}{29} \approx 7.345}$