

$N =$	$P_{0,0} = \frac{45}{16}$	$P_{0,1} = \frac{15}{16}$	$P_{0,2} = \frac{15}{16}$	$P_{0,3} = \frac{15}{16}$	$P_{0,4} = \frac{15}{16}$	$P_{0,5} = \frac{15}{16}$	$P_{0,6} = \frac{15}{16}$	$P_{0,7} = \frac{7}{2}$	$P_{0,8} = \frac{5}{4}$	$P_{0,9} = \frac{7}{2}$	$P_{0,10} = \frac{1}{16}$	$P_{0,11} = \frac{7}{2}$	$P_{0,12} = \frac{5}{4}$	$P_{0,13} = \frac{7}{2}$	$P_{0,14} = \frac{5}{4}$	$P_{0,15} = \frac{7}{2}$	$P_{0,16} = \frac{1}{16}$	$P_{0,17} = \frac{7}{2}$	$P_{0,18} = \frac{5}{4}$
	$P_{1,0} = \frac{15}{16}$	$P_{1,1} = \frac{10771}{16384}$	$P_{1,2} = \frac{62609}{1048576}$	$P_{1,3} = \frac{313045}{67108864}$	$P_{1,4} = \frac{1565225}{2684354304}$	$P_{1,5} = \frac{7826125}{107374177216}$	$P_{1,6} = \frac{39130625}{4295017088000}$	$P_{1,7} = \frac{195653125}{171800683520000}$	$P_{1,8} = \frac{978265625}{6872027340800000}$	$P_{1,9} = \frac{4891328125}{274881093632000000}$	$P_{1,10} = \frac{24456640625}{10995243745280000000}$	$P_{1,11} = \frac{122283203125}{439809749811200000000}$	$P_{1,12} = \frac{611416015625}{17592390392448000000000}$	$P_{1,13} = \frac{3057080078125}{703695615698304000000000}$	$P_{1,14} = \frac{15285400390625}{281478246279321600000000000}$	$P_{1,15} = \frac{76427001953125}{11259129851172864000000000000}$	$P_{1,16} = \frac{382135009765625}{450365194070914560000000000000}$	$P_{1,17} = \frac{1910675048828125}{18014607762836582400000000000000}$	$P_{1,18} = \frac{9553375244140625}{720584310513463296000000000000000}$
	$P_{2,0} = \frac{15}{16}$	$P_{2,1} = \frac{15}{16}$	$P_{2,2} = \frac{15}{16}$	$P_{2,3} = \frac{15}{16}$	$P_{2,4} = \frac{15}{16}$	$P_{2,5} = \frac{15}{16}$	$P_{2,6} = \frac{15}{16}$	$P_{2,7} = \frac{15}{16}$	$P_{2,8} = \frac{15}{16}$	$P_{2,9} = \frac{15}{16}$	$P_{2,10} = \frac{15}{16}$	$P_{2,11} = \frac{15}{16}$	$P_{2,12} = \frac{15}{16}$	$P_{2,13} = \frac{15}{16}$	$P_{2,14} = \frac{15}{16}$	$P_{2,15} = \frac{15}{16}$	$P_{2,16} = \frac{15}{16}$	$P_{2,17} = \frac{15}{16}$	$P_{2,18} = \frac{15}{16}$
	$P_{3,0} = \frac{15}{16}$	$P_{3,1} = \frac{15}{16}$	$P_{3,2} = \frac{15}{16}$	$P_{3,3} = \frac{15}{16}$	$P_{3,4} = \frac{15}{16}$	$P_{3,5} = \frac{15}{16}$	$P_{3,6} = \frac{15}{16}$	$P_{3,7} = \frac{15}{16}$	$P_{3,8} = \frac{15}{16}$	$P_{3,9} = \frac{15}{16}$	$P_{3,10} = \frac{15}{16}$	$P_{3,11} = \frac{15}{16}$	$P_{3,12} = \frac{15}{16}$	$P_{3,13} = \frac{15}{16}$	$P_{3,14} = \frac{15}{16}$	$P_{3,15} = \frac{15}{16}$	$P_{3,16} = \frac{15}{16}$	$P_{3,17} = \frac{15}{16}$	$P_{3,18} = \frac{15}{16}$
	$P_{4,0} = \frac{15}{16}$	$P_{4,1} = \frac{15}{16}$	$P_{4,2} = \frac{15}{16}$	$P_{4,3} = \frac{15}{16}$	$P_{4,4} = \frac{15}{16}$	$P_{4,5} = \frac{15}{16}$	$P_{4,6} = \frac{15}{16}$	$P_{4,7} = \frac{15}{16}$	$P_{4,8} = \frac{15}{16}$	$P_{4,9} = \frac{15}{16}$	$P_{4,10} = \frac{15}{16}$	$P_{4,11} = \frac{15}{16}$	$P_{4,12} = \frac{15}{16}$	$P_{4,13} = \frac{15}{16}$	$P_{4,14} = \frac{15}{16}$	$P_{4,15} = \frac{15}{16}$	$P_{4,16} = \frac{15}{16}$	$P_{4,17} = \frac{15}{16}$	$P_{4,18} = \frac{15}{16}$
	$P_{5,0} = \frac{15}{16}$	$P_{5,1} = \frac{15}{16}$	$P_{5,2} = \frac{15}{16}$	$P_{5,3} = \frac{15}{16}$	$P_{5,4} = \frac{15}{16}$	$P_{5,5} = \frac{15}{16}$	$P_{5,6} = \frac{15}{16}$	$P_{5,7} = \frac{15}{16}$	$P_{5,8} = \frac{15}{16}$	$P_{5,9} = \frac{15}{16}$	$P_{5,10} = \frac{15}{16}$	$P_{5,11} = \frac{15}{16}$	$P_{5,12} = \frac{15}{16}$	$P_{5,13} = \frac{15}{16}$	$P_{5,14} = \frac{15}{16}$	$P_{5,15} = \frac{15}{16}$	$P_{5,16} = \frac{15}{16}$	$P_{5,17} = \frac{15}{16}$	$P_{5,18} = \frac{15}{16}$
	$P_{6,0} = \frac{15}{16}$	$P_{6,1} = \frac{15}{16}$	$P_{6,2} = \frac{15}{16}$	$P_{6,3} = \frac{15}{16}$	$P_{6,4} = \frac{15}{16}$	$P_{6,5} = \frac{15}{16}$	$P_{6,6} = \frac{15}{16}$	$P_{6,7} = \frac{15}{16}$	$P_{6,8} = \frac{15}{16}$	$P_{6,9} = \frac{15}{16}$	$P_{6,10} = \frac{15}{16}$	$P_{6,11} = \frac{15}{16}$	$P_{6,12} = \frac{15}{16}$	$P_{6,13} = \frac{15}{16}$	$P_{6,14} = \frac{15}{16}$	$P_{6,15} = \frac{15}{16}$	$P_{6,16} = \frac{15}{16}$	$P_{6,17} = \frac{15}{16}$	$P_{6,18} = \frac{15}{16}$
	$P_{7,0} = \frac{15}{16}$	$P_{7,1} = \frac{15}{16}$	$P_{7,2} = \frac{15}{16}$	$P_{7,3} = \frac{15}{16}$	$P_{7,4} = \frac{15}{16}$	$P_{7,5} = \frac{15}{16}$	$P_{7,6} = \frac{15}{16}$	$P_{7,7} = \frac{15}{16}$	$P_{7,8} = \frac{15}{16}$	$P_{7,9} = \frac{15}{16}$	$P_{7,10} = \frac{15}{16}$	$P_{7,11} = \frac{15}{16}$	$P_{7,12} = \frac{15}{16}$	$P_{7,13} = \frac{15}{16}$	$P_{7,14} = \frac{15}{16}$	$P_{7,15} = \frac{15}{16}$	$P_{7,16}$		

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

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