

$N =$	$P_{0,0} = \frac{45}{16}$	$P_{1,0} = \frac{15}{16}$	$P_{2,0} = \frac{15}{16}$	$P_{3,0} = \frac{15}{16}$	$P_{4,0} = \frac{15}{16}$	$P_{5,0} = \frac{15}{16}$	$P_{6,0} = \frac{15}{16}$	$P_{7,0} = \frac{7}{2}$	$P_{8,0} = \frac{5}{16}$	$P_{9,0} = \frac{7}{2}$	$P_{10,0} = \frac{5}{16}$	$P_{11,0} = \frac{7}{2}$	$P_{12,0} = \frac{5}{16}$	$P_{13,0} = \frac{7}{2}$	$P_{14,0} = \frac{5}{16}$	$P_{15,0} = \frac{7}{2}$	$P_{16,0} = \frac{5}{16}$	$P_{17,0} = \frac{7}{2}$	$P_{18,0} = \frac{5}{16}$
	$P_{1,1} = \frac{10771}{16384}$	$P_{2,1} = \frac{62895}{16384}$	$P_{3,1} = \frac{31447}{16384}$	$P_{4,1} = \frac{15723}{16384}$	$P_{5,1} = \frac{7861}{16384}$	$P_{6,1} = \frac{3930}{16384}$	$P_{7,1} = \frac{1965}{16384}$	$P_{8,1} = \frac{982}{16384}$	$P_{9,1} = \frac{491}{16384}$	$P_{10,1} = \frac{245}{16384}$	$P_{11,1} = \frac{122}{16384}$	$P_{12,1} = \frac{61}{16384}$	$P_{13,1} = \frac{30}{16384}$	$P_{14,1} = \frac{15}{16384}$	$P_{15,1} = \frac{7}{16384}$	$P_{16,1} = \frac{3}{16384}$	$P_{17,1} = \frac{1}{16384}$	$P_{18,1} = \frac{1}{16384}$	
	$P_{1,2} = \frac{31805}{65536}$	$P_{2,2} = \frac{159025}{65536}$	$P_{3,2} = \frac{79512}{65536}$	$P_{4,2} = \frac{39756}{65536}$	$P_{5,2} = \frac{19878}{65536}$	$P_{6,2} = \frac{9939}{65536}$	$P_{7,2} = \frac{4969}{65536}$	$P_{8,2} = \frac{2484}{65536}$	$P_{9,2} = \frac{1242}{65536}$	$P_{10,2} = \frac{621}{65536}$	$P_{11,2} = \frac{310}{65536}$	$P_{12,2} = \frac{155}{65536}$	$P_{13,2} = \frac{77}{65536}$	$P_{14,2} = \frac{39}{65536}$	$P_{15,2} = \frac{19}{65536}$	$P_{16,2} = \frac{9}{65536}$	$P_{17,2} = \frac{4}{65536}$	$P_{18,2} = \frac{2}{65536}$	
	$P_{1,3} = \frac{89595}{163840}$	$P_{2,3} = \frac{447975}{163840}$	$P_{3,3} = \frac{223987}{163840}$	$P_{4,3} = \frac{111993}{163840}$	$P_{5,3} = \frac{55996}{163840}$	$P_{6,3} = \frac{27998}{163840}$	$P_{7,3} = \frac{13999}{163840}$	$P_{8,3} = \frac{6999}{163840}$	$P_{9,3} = \frac{3499}{163840}$	$P_{10,3} = \frac{1749}{163840}$	$P_{11,3} = \frac{874}{163840}$	$P_{12,3} = \frac{437}{163840}$	$P_{13,3} = \frac{218}{163840}$	$P_{14,3} = \frac{109}{163840}$	$P_{15,3} = \frac{54}{163840}$	$P_{16,3} = \frac{27}{163840}$	$P_{17,3} = \frac{13}{163840}$	$P_{18,3} = \frac{6}{163840}$	
	$P_{1,4} = \frac{254985}{327680}$	$P_{2,4} = \frac{1274925}{327680}$	$P_{3,4} = \frac{637462}{327680}$	$P_{4,4} = \frac{318731}{327680}$	$P_{5,4} = \frac{159365}{327680}$	$P_{6,4} = \frac{79682}{327680}$	$P_{7,4} = \frac{39841}{327680}$	$P_{8,4} = \frac{19920}{327680}$	$P_{9,4} = \frac{9960}{327680}$	$P_{10,4} = \frac{4980}{327680}$	$P_{11,4} = \frac{2490}{327680}$	$P_{12,4} = \frac{1245}{327680}$	$P_{13,4} = \frac{622}{327680}$	$P_{14,4} = \frac{311}{327680}$	$P_{15,4} = \frac{155}{327680}$	$P_{16,4} = \frac{77}{327680}$	$P_{17,4} = \frac{39}{327680}$	$P_{18,4} = \frac{19}{327680}$	
	$P_{1,5} = \frac{714975}{655360}$	$P_{2,5} = \frac{3574875}{655360}$	$P_{3,5} = \frac{1787437}{655360}$	$P_{4,5} = \frac{893718}{655360}$	$P_{5,5} = \frac{446859}{655360}$	$P_{6,5} = \frac{223429}{655360}$	$P_{7,5} = \frac{111714}{655360}$	$P_{8,5} = \frac{55857}{655360}$	$P_{9,5} = \frac{27928}{655360}$	$P_{10,5} = \frac{13964}{655360}$	$P_{11,5} = \frac{6982}{655360}$	$P_{12,5} = \frac{3491}{655360}$	$P_{13,5} = \frac{1745}{655360}$	$P_{14,5} = \frac{872}{655360}$	$P_{15,5} = \frac{436}{655360}$	$P_{16,5} = \frac{218}{655360}$	$P_{17,5} = \frac{109}{655360}$	$P_{18,5} = \frac{54}{655360}$	
	$P_{1,6} = \frac{2004945}{1310720}$	$P_{2,6} = \frac{10024725}{1310720}$	$P_{3,6} = \frac{5012362}{1310720}$	$P_{4,6} = \frac{2506181}{1310720}$	$P_{5,6} = \frac{1253090}{1310720}$	$P_{6,6} = \frac{626545}{1310720}$	$P_{7,6} = \frac{313272}{1310720}$	$P_{8,6} = \frac{156636}{1310720}$	$P_{9,6} = \frac{78318}{1310720}$	$P_{10,6} = \frac{39159}{1310720}$	$P_{11,6} = \frac{19579}{1310720}$	$P_{12,6} = \frac{9789}{1310720}$	$P_{13,6} = \frac{4894}{1310720}$	$P_{14,6} = \frac{2447}{1310720}$	$P_{15,6} = \frac{1223}{1310720}$	$P_{16,6} = \frac{611}{1310720}$	$P_{17,6} = \frac{305}{1310720}$	$P_{18,6} = \frac{152}{1310720}$	
	$P_{1,7} = \frac{5514915}{2621440}$	$P_{2,7} = \frac{27574575}{2621440}$	$P_{3,7} = \frac{13787287}{2621440}$	$P_{4,7} = \frac{6893643}{2621440}$	$P_{5,7} = \frac{3446821}{2621440}$	$P_{6,7} = \frac{1723410}{2621440}$	$P_{7,7} = \frac{861705}{2621440}$	$P_{8,7} = \frac{430852}{2621440}$	$P_{9,7} = \frac{215426}{2621440}$	$P_{10,7} = \frac{107713}{2621440}$	$P_{11,7} = \$								

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

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