

$N =$	$P_{0,0} = \frac{45}{16}$	$P_{1,0} = \frac{15}{16}$	$P_{2,0} = \frac{15}{16}$	$P_{3,0} = \frac{15}{16}$	$P_{4,0} = \frac{15}{16}$	$P_{5,0} = \frac{15}{16}$	$P_{6,0} = \frac{15}{16}$	$P_{7,0} = \frac{7}{2}$	$P_{8,0} = \frac{5}{16}$	$P_{9,0} = \frac{7}{2}$	$P_{10,0} = \frac{5}{16}$	$P_{11,0} = \frac{7}{2}$	$P_{12,0} = \frac{5}{16}$	$P_{13,0} = \frac{7}{2}$	$P_{14,0} = \frac{5}{16}$	$P_{15,0} = \frac{7}{2}$	$P_{16,0} = \frac{5}{16}$	$P_{17,0} = \frac{7}{2}$	$P_{18,0} = \frac{5}{16}$
	$P_{1,1} = \frac{10771}{16384}$	$P_{2,1} = \frac{62895}{16384}$	$P_{3,1} = \frac{31447}{16384}$	$P_{4,1} = \frac{15723}{16384}$	$P_{5,1} = \frac{7861}{16384}$	$P_{6,1} = \frac{3931}{16384}$	$P_{7,1} = \frac{1965}{16384}$	$P_{8,1} = \frac{982}{16384}$	$P_{9,1} = \frac{491}{16384}$	$P_{10,1} = \frac{245}{16384}$	$P_{11,1} = \frac{122}{16384}$	$P_{12,1} = \frac{61}{16384}$	$P_{13,1} = \frac{30}{16384}$	$P_{14,1} = \frac{15}{16384}$	$P_{15,1} = \frac{7}{16384}$	$P_{16,1} = \frac{3}{16384}$	$P_{17,1} = \frac{1}{16384}$	$P_{18,1} = \frac{1}{16384}$	
	$P_{1,2} = \frac{31805}{65536}$	$P_{2,2} = \frac{159025}{65536}$	$P_{3,2} = \frac{79512}{65536}$	$P_{4,2} = \frac{39756}{65536}$	$P_{5,2} = \frac{19878}{65536}$	$P_{6,2} = \frac{9939}{65536}$	$P_{7,2} = \frac{4969}{65536}$	$P_{8,2} = \frac{2484}{65536}$	$P_{9,2} = \frac{1242}{65536}$	$P_{10,2} = \frac{621}{65536}$	$P_{11,2} = \frac{310}{65536}$	$P_{12,2} = \frac{155}{65536}$	$P_{13,2} = \frac{77}{65536}$	$P_{14,2} = \frac{39}{65536}$	$P_{15,2} = \frac{19}{65536}$	$P_{16,2} = \frac{9}{65536}$	$P_{17,2} = \frac{4}{65536}$	$P_{18,2} = \frac{2}{65536}$	
	$P_{1,3} = \frac{89595}{262144}$	$P_{2,3} = \frac{447975}{262144}$	$P_{3,3} = \frac{223987}{262144}$	$P_{4,3} = \frac{111993}{262144}$	$P_{5,3} = \frac{55996}{262144}$	$P_{6,3} = \frac{27998}{262144}$	$P_{7,3} = \frac{13999}{262144}$	$P_{8,3} = \frac{6999}{262144}$	$P_{9,3} = \frac{3499}{262144}$	$P_{10,3} = \frac{1749}{262144}$	$P_{11,3} = \frac{874}{262144}$	$P_{12,3} = \frac{437}{262144}$	$P_{13,3} = \frac{218}{262144}$	$P_{14,3} = \frac{109}{262144}$	$P_{15,3} = \frac{54}{262144}$	$P_{16,3} = \frac{27}{262144}$	$P_{17,3} = \frac{13}{262144}$	$P_{18,3} = \frac{6}{262144}$	
	$P_{1,4} = \frac{251181}{1048576}$	$P_{2,4} = \frac{1255905}{1048576}$	$P_{3,4} = \frac{627952}{1048576}$	$P_{4,4} = \frac{313976}{1048576}$	$P_{5,4} = \frac{156988}{1048576}$	$P_{6,4} = \frac{78494}{1048576}$	$P_{7,4} = \frac{39247}{1048576}$	$P_{8,4} = \frac{19623}{1048576}$	$P_{9,4} = \frac{9811}{1048576}$	$P_{10,4} = \frac{4905}{1048576}$	$P_{11,4} = \frac{2452}{1048576}$	$P_{12,4} = \frac{1226}{1048576}$	$P_{13,4} = \frac{613}{1048576}$	$P_{14,4} = \frac{306}{1048576}$	$P_{15,4} = \frac{153}{1048576}$	$P_{16,4} = \frac{76}{1048576}$	$P_{17,4} = \frac{38}{1048576}$	$P_{18,4} = \frac{19}{1048576}$	
	$P_{1,5} = \frac{703503}{4194304}$	$P_{2,5} = \frac{3517515}{4194304}$	$P_{3,5} = \frac{1758757}{4194304}$	$P_{4,5} = \frac{879378}{4194304}$	$P_{5,5} = \frac{439689}{4194304}$	$P_{6,5} = \frac{219844}{4194304}$	$P_{7,5} = \frac{109922}{4194304}$	$P_{8,5} = \frac{54961}{4194304}$	$P_{9,5} = \frac{27480}{4194304}$	$P_{10,5} = \frac{13740}{4194304}$	$P_{11,5} = \frac{6870}{4194304}$	$P_{12,5} = \frac{3435}{4194304}$	$P_{13,5} = \frac{1717}{4194304}$	$P_{14,5} = \frac{858}{4194304}$	$P_{15,5} = \frac{429}{4194304}$	$P_{16,5} = \frac{214}{4194304}$	$P_{17,5} = \frac{107}{4194304}$	$P_{18,5} = \frac{53}{4194304}$	
	$P_{1,6} = \frac{1959819}{16777728}$	$P_{2,6} = \frac{9799095}{16777728}$	$P_{3,6} = \frac{4899547}{16777728}$	$P_{4,6} = \frac{2449773}{16777728}$	$P_{5,6} = \frac{1224886}{16777728}$	$P_{6,6} = \frac{612443}{16777728}$	$P_{7,6} = \frac{306221}{16777728}$	$P_{8,6} = \frac{153110}{16777728}$	$P_{9,6} = \frac{76555}{16777728}$	$P_{10,6} = \frac{38277}{16777728}$	$P_{11,6} = \frac{19138}{16777728}$	$P_{12,6} = \frac{9569}{16777728}$	$P_{13,6} = \frac{4784}{16777728}$	$P_{14,6} = \frac{2392}{16777728}$	$P_{15,6} = \frac{1196}{16777728}$	$P_{16,6} = \frac{598}{16777728}$	$P_{17,6} = \frac{299}{16777728}$	$P_{18,6} = \frac{149}{16777728}$	
	$P_{1,7} = \frac{5481411}{67189760}$	$P_{2,7} = \frac{27407055}{67189760}$	$P_{3,7} = \frac{13703527}{67189760}$	$P_{4,7} = \frac{6851763}{67189760}$	$P_{5,7} = \frac{3425881}{67189760}$	$P_{6,7} = \frac{1712940}{67189760}$	$P_{7,7} = \frac{856470}{67189760}$	$P_{8,7} = \frac{428235}{67189760}$	$P_{9,7} = \frac{214$										

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

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