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$N =$	$P_{0,0} = \frac{45}{16}$	$P_{1,0} = \frac{15}{16}$	$P_{2,0} = \frac{15}{16}$	$P_{3,0} = \frac{15}{16}$	$P_{4,0} = \frac{15}{16}$	$P_{5,0} = \frac{15}{16}$	$P_{6,0} = \frac{15}{16}$	$P_{7,0} = \frac{7}{2}$	$P_{8,0} = \frac{5}{16}$	$P_{9,0} = \frac{7}{2}$	$P_{10,0} = \frac{5}{16}$	$P_{11,0} = \frac{7}{2}$	$P_{12,0} = \frac{5}{16}$	$P_{13,0} = \frac{7}{2}$	$P_{14,0} = \frac{5}{16}$	$P_{15,0} = \frac{7}{2}$	$P_{16,0} = \frac{5}{16}$	$P_{17,0} = \frac{7}{2}$	$P_{18,0} = \frac{5}{16}$
	$P_{1,1} = \frac{10771}{16384}$	$P_{2,1} = \frac{62895}{16384}$	$P_{3,1} = \frac{31447}{16384}$	$P_{4,1} = \frac{15723}{16384}$	$P_{5,1} = \frac{7861}{16384}$	$P_{6,1} = \frac{3931}{16384}$	$P_{7,1} = \frac{1965}{16384}$	$P_{8,1} = \frac{982}{16384}$	$P_{9,1} = \frac{491}{16384}$	$P_{10,1} = \frac{245}{16384}$	$P_{11,1} = \frac{122}{16384}$	$P_{12,1} = \frac{61}{16384}$	$P_{13,1} = \frac{30}{16384}$	$P_{14,1} = \frac{15}{16384}$	$P_{15,1} = \frac{7}{16384}$	$P_{16,1} = \frac{3}{16384}$	$P_{17,1} = \frac{1}{16384}$	$P_{18,1} = \frac{1}{16384}$	
	$P_{1,2} = \frac{318585}{131072}$	$P_{2,2} = \frac{159292}{131072}$	$P_{3,2} = \frac{79646}{131072}$	$P_{4,2} = \frac{39823}{131072}$	$P_{5,2} = \frac{19911}{131072}$	$P_{6,2} = \frac{9955}{131072}$	$P_{7,2} = \frac{4978}{131072}$	$P_{8,2} = \frac{2489}{131072}$	$P_{9,2} = \frac{1244}{131072}$	$P_{10,2} = \frac{622}{131072}$	$P_{11,2} = \frac{311}{131072}$	$P_{12,2} = \frac{155}{131072}$	$P_{13,2} = \frac{77}{131072}$	$P_{14,2} = \frac{39}{131072}$	$P_{15,2} = \frac{19}{131072}$	$P_{16,2} = \frac{9}{131072}$	$P_{17,2} = \frac{4}{131072}$	$P_{18,2} = \frac{2}{131072}$	
	$P_{1,3} = \frac{897999}{524288}$	$P_{2,3} = \frac{448999}{524288}$	$P_{3,3} = \frac{224499}{524288}$	$P_{4,3} = \frac{112249}{524288}$	$P_{5,3} = \frac{56124}{524288}$	$P_{6,3} = \frac{28062}{524288}$	$P_{7,3} = \frac{14031}{524288}$	$P_{8,3} = \frac{7015}{524288}$	$P_{9,3} = \frac{3508}{524288}$	$P_{10,3} = \frac{1754}{524288}$	$P_{11,3} = \frac{877}{524288}$	$P_{12,3} = \frac{438}{524288}$	$P_{13,3} = \frac{219}{524288}$	$P_{14,3} = \frac{109}{524288}$	$P_{15,3} = \frac{54}{524288}$	$P_{16,3} = \frac{27}{524288}$	$P_{17,3} = \frac{13}{524288}$	$P_{18,3} = \frac{6}{524288}$	
	$P_{1,4} = \frac{2500000}{2684352}$	$P_{2,4} = \frac{1250000}{2684352}$	$P_{3,4} = \frac{625000}{2684352}$	$P_{4,4} = \frac{312500}{2684352}$	$P_{5,4} = \frac{156250}{2684352}$	$P_{6,4} = \frac{78125}{2684352}$	$P_{7,4} = \frac{39062}{2684352}$	$P_{8,4} = \frac{19531}{2684352}$	$P_{9,4} = \frac{9765}{2684352}$	$P_{10,4} = \frac{4882}{2684352}$	$P_{11,4} = \frac{2441}{2684352}$	$P_{12,4} = \frac{1220}{2684352}$	$P_{13,4} = \frac{610}{2684352}$	$P_{14,4} = \frac{305}{2684352}$	$P_{15,4} = \frac{152}{2684352}$	$P_{16,4} = \frac{76}{2684352}$	$P_{17,4} = \frac{38}{2684352}$	$P_{18,4} = \frac{19}{2684352}$	
	$P_{1,5} = \frac{6944000}{13959680}$	$P_{2,5} = \frac{3472000}{13959680}$	$P_{3,5} = \frac{1736000}{13959680}$	$P_{4,5} = \frac{868000}{13959680}$	$P_{5,5} = \frac{434000}{13959680}$	$P_{6,5} = \frac{217000}{13959680}$	$P_{7,5} = \frac{108500}{13959680}$	$P_{8,5} = \frac{54250}{13959680}$	$P_{9,5} = \frac{27125}{13959680}$	$P_{10,5} = \frac{13562}{13959680}$	$P_{11,5} = \frac{6781}{13959680}$	$P_{12,5} = \frac{3390}{13959680}$	$P_{13,5} = \frac{1695}{13959680}$	$P_{14,5} = \frac{847}{13959680}$	$P_{15,5} = \frac{423}{13959680}$	$P_{16,5} = \frac{211}{13959680}$	$P_{17,5} = \frac{106}{13959680}$	$P_{18,5} = \frac{53}{13959680}$	
	$P_{1,6} = \frac{19552000}{27919360}$	$P_{2,6} = \frac{9776000}{27919360}$	$P_{3,6} = \frac{4888000}{27919360}$	$P_{4,6} = \frac{2444000}{27919360}$	$P_{5,6} = \frac{1222000}{27919360}$	$P_{6,6} = \frac{611000}{27919360}$	$P_{7,6} = \frac{305500}{27919360}$	$P_{8,6} = \frac{152750}{27919360}$	$P_{9,6} = \frac{76375}{27919360}$	$P_{10,6} = \frac{38187}{27919360}$	$P_{11,6} = \frac{19093}{27919360}$	$P_{12,6} = \frac{9547}{27919360}$	$P_{13,6} = \frac{4773}{27919360}$	$P_{14,6} = \frac{2387}{27919360}$	$P_{15,6} = \frac{1193}{27919360}$	$P_{16,6} = \frac{597}{27919360}$	$P_{17,6} = \frac{298}{27919360}$	$P_{18,6} = \frac{149}{27919360}$	
	$P_{1,7} = \frac{54656000}{55838720}$	$P_{2,7} = \frac{27328000}{55838720}$	$P_{3,7} = \frac{13664000}{55838720}$	$P_{4,7} = \frac{6832000}{55838720}$	$P_{5,7} = \frac{3416000}{55838720}$	$P_{6,7} = \frac{1708000}{55838720}$	$P_{7,7} = \frac{854000}{55838720}$	$P_{8,$											

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

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