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$N =$	$P_{0,0} = \frac{45}{16}$	$P_{0,1} = \frac{15}{16}$	$P_{0,2} = \frac{15}{16}$	$P_{0,3} = \frac{15}{16}$	$P_{0,4} = \frac{15}{16}$	$P_{0,5} = \frac{15}{16}$	$P_{0,6} = \frac{15}{16}$	$P_{0,7} = \frac{7}{2}$	$P_{0,8} = \frac{5}{4}$	$P_{0,9} = \frac{7}{2}$	$P_{0,10} = \frac{1}{16}$	$P_{0,11} = \frac{7}{2}$	$P_{0,12} = \frac{5}{4}$	$P_{0,13} = \frac{7}{2}$	$P_{0,14} = \frac{5}{4}$	$P_{0,15} = \frac{7}{2}$	$P_{0,16} = \frac{1}{16}$	$P_{0,17} = \frac{7}{2}$	$P_{0,18} = \frac{5}{4}$
	$P_{1,0} = \frac{15}{16}$	$P_{1,1} = \frac{10771}{16384}$	$P_{1,2} = \frac{62609}{1048576}$	$P_{1,3} = \frac{313045}{67108864}$	$P_{1,4} = \frac{1565225}{2684354304}$	$P_{1,5} = \frac{7826125}{10737418240}$	$P_{1,6} = \frac{39130625}{429501721600}$	$P_{1,7} = \frac{195653125}{1718006883840}$	$P_{1,8} = \frac{978265625}{6872027328000}$	$P_{1,9} = \frac{4891328125}{27488109337600}$	$P_{1,10} = \frac{24456640625}{109952437350400}$	$P_{1,11} = \frac{122283203125}{439809749401600}$	$P_{1,12} = \frac{611416015625}{1759238997606400}$	$P_{1,13} = \frac{3057080078125}{7036955990425600}$	$P_{1,14} = \frac{15285400390625}{28147823961702400}$	$P_{1,15} = \frac{76427001953125}{112591295846810880}$	$P_{1,16} = \frac{382135009765625}{450365187387243520}$	$P_{1,17} = \frac{1910675048828125}{18014607495489740736}$	$P_{1,18} = \frac{9553375244140625}{720584303839189630080}$
	$P_{2,0} = \frac{15}{16}$	$P_{2,1} = \frac{62609}{1048576}$	$P_{2,2} = \frac{313045}{67108864}$	$P_{2,3} = \frac{1565225}{2684354304}$	$P_{2,4} = \frac{7826125}{10737418240}$	$P_{2,5} = \frac{39130625}{429501721600}$	$P_{2,6} = \frac{195653125}{1718006883840}$	$P_{2,7} = \frac{978265625}{6872027328000}$	$P_{2,8} = \frac{4891328125}{27488109337600}$	$P_{2,9} = \frac{24456640625}{109952437350400}$	$P_{2,10} = \frac{122283203125}{439809749401600}$	$P_{2,11} = \frac{611416015625}{1759238997606400}$	$P_{2,12} = \frac{3057080078125}{7036955990425600}$	$P_{2,13} = \frac{15285400390625}{28147823961702400}$	$P_{2,14} = \frac{76427001953125}{112591295846810880}$	$P_{2,15} = \frac{382135009765625}{450365187387243520}$	$P_{2,16} = \frac{1910675048828125}{18014607495489740736}$	$P_{2,17} = \frac{9553375244140625}{720584303839189630080}$	$P_{2,18} = \frac{47766876220703125}{2882337215356757721600}$
	$P_{3,0} = \frac{15}{16}$	$P_{3,1} = \frac{313045}{67108864}$	$P_{3,2} = \frac{1565225}{2684354304}$	$P_{3,3} = \frac{7826125}{10737418240}$	$P_{3,4} = \frac{39130625}{429501721600}$	$P_{3,5} = \frac{195653125}{1718006883840}$	$P_{3,6} = \frac{978265625}{6872027328000}$	$P_{3,7} = \frac{4891328125}{27488109337600}$	$P_{3,8} = \frac{24456640625}{109952437350400}$	$P_{3,9} = \frac{122283203125}{439809749401600}$	$P_{3,10} = \frac{611416015625}{1759238997606400}$	$P_{3,11} = \frac{3057080078125}{7036955990425600}$	$P_{3,12} = \frac{15285400390625}{28147823961702400}$	$P_{3,13} = \frac{76427001953125}{112591295846810880}$	$P_{3,14} = \frac{382135009765625}{450365187387243520}$	$P_{3,15} = \frac{1910675048828125}{18014607495489740736}$	$P_{3,16} = \frac{9553375244140625}{720584303839189630080}$	$P_{3,17} = \frac{47766876220703125}{2882337215356757721600}$	$P_{3,18} = \frac{238834381103515625}{1152934886742703088307200}$
	$P_{4,0} = \frac{15}{16}$	$P_{4,1} = \frac{1565225}{2684354304}$	$P_{4,2} = \frac{7826125}{10737418240}$	$P_{4,3} = \frac{39130625}{429501721600}$	$P_{4,4} = \frac{195653125}{1718006883840}$	$P_{4,5} = \frac{978265625}{6872027328000}$	$P_{4,6} = \frac{4891328125}{27488109337600}$	$P_{4,7} = \frac{24456640625}{109952437350400}$	$P_{4,8} = \frac{122283203125}{439809749401600}$	$P_{4,9} = \frac{611416015625}{1759238997606400}$	$P_{4,10} = \frac{3057080078125}{7036955990425600}$	$P_{4,11} = \frac{15285400390625}{28147823961702400}$	$P_{4,12} = \frac{76427001953125}{112591295846810880}$	$P_{4,13} = \frac{382135009765625}{450365187387243520}$	$P_{4,14} = \frac{1910675048828125}{18014607495489740736}$	$P_{4,15} = \frac{9553375244140625}{720584303839189630080}$	$P_{4,16} = \frac{47766876220703125}{2882337215356757721600}$	$P_{4,17} = \frac{238834381103515625}{1152934886742703088307200}$	$P_{4,18} = \frac{1194171905517578125}{47717395469708121532144000}$
	$P_{5,0} = \frac{15}{16}$	$P_{5,1} = \frac{7826125}{10737418240}$	$P_{5,2} = \frac{39130625}{429501721600}$	$P_{5,3} = \frac{19565312$															

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

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