





	$P_{10} = \frac{45}{1}$	$P_{11} = \frac{16}{1}$	$P_{12} = \frac{16}{1}$	$P_{13} = \frac{16}{1}$	$P_{14} = \frac{16}{1}$	$P_{15} = \frac{16}{1}$	$P_{16} = \frac{16}{1}$	$P_{17} = \frac{2}{1}$	$P_{18} = \frac{5}{1}$	$P_{19} = \frac{2}{1}$	$P_{20} = \frac{1}{1}$	$P_{21} = \frac{7}{1}$	$P_{22} = \frac{5}{1}$	$P_{23} = \frac{1}{1}$	$P_{24} = \frac{5}{1}$	$P_{25} = \frac{1}{1}$	$P_{26} = \frac{1}{1}$	$P_{27} = \frac{1}{1}$	$P_{28} = \frac{1}{1}$	$P_{29} = \frac{1}{1}$	$P_{30} = \frac{1}{1}$	$P_{31} = \frac{1}{1}$	$P_{32} = \frac{1}{1}$	$P_{33} = \frac{1}{1}$	$P_{34} = \frac{1}{1}$	$P_{35} = \frac{1}{1}$	$P_{36} = \frac{1}{1}$	$P_{37} = \frac{1}{1}$	$P_{38} = \frac{1}{1}$	$P_{39} = \frac{1}{1}$	$P_{40} = \frac{1}{1}$	$P_{41} = \frac{1}{1}$	$P_{42} = \frac{1}{1}$	$P_{43} = \frac{1}{1}$	$P_{44} = \frac{1}{1}$	$P_{45} = \frac{1}{1}$	$P_{46} = \frac{1}{1}$	$P_{47} = \frac{1}{1}$	$P_{48} = \frac{1}{1}$	$P_{49} = \frac{1}{1}$	$P_{50} = \frac{1}{1}$	$P_{51} = \frac{1}{1}$	$P_{52} = \frac{1}{1}$	$P_{53} = \frac{1}{1}$	$P_{54} = \frac{1}{1}$	$P_{55} = \frac{1}{1}$	$P_{56} = \frac{1}{1}$	$P_{57} = \frac{1}{1}$	$P_{58} = \frac{1}{1}$	$P_{59} = \frac{1}{1}$	$P_{60} = \frac{1}{1}$	$P_{61} = \frac{1}{1}$	$P_{62} = \frac{1}{1}$	$P_{63} = \frac{1}{1}$	$P_{64} = \frac{1}{1}$	$P_{65} = \frac{1}{1}$	$P_{66} = \frac{1}{1}$	$P_{67} = \frac{1}{1}$	$P_{68} = \frac{1}{1}$	$P_{69} = \frac{1}{1}$	$P_{70} = \frac{1}{1}$	$P_{71} = \frac{1}{1}$	$P_{72} = \frac{1}{1}$	$P_{73} = \frac{1}{1}$	$P_{74} = \frac{1}{1}$	$P_{75} = \frac{1}{1}$	$P_{76} = \frac{1}{1}$	$P_{77} = \frac{1}{1}$	$P_{78} = \frac{1}{1}$	$P_{79} = \frac{1}{1}$	$P_{80} = \frac{1}{1}$	$P_{81} = \frac{1}{1}$	$P_{82} = \frac{1}{1}$	$P_{83} = \frac{1}{1}$	$P_{84} = \frac{1}{1}$	$P_{85} = \frac{1}{1}$	$P_{86} = \frac{1}{1}$	$P_{87} = \frac{1}{1}$	$P_{88} = \frac{1}{1}$	$P_{89} = \frac{1}{1}$	$P_{90} = \frac{1}{1}$	$P_{91} = \frac{1}{1}$	$P_{92} = \frac{1}{1}$	$P_{93} = \frac{1}{1}$	$P_{94} = \frac{1}{1}$	$P_{95} = \frac{1}{1}$	$P_{96} = \frac{1}{1}$	$P_{97} = \frac{1}{1}$	$P_{98} = \frac{1}{1}$	$P_{99} = \frac{1}{1}$	$P_{100} = \frac{1}{1}$
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$$t = N\mathbf{1}$$
$$t = \begin{pmatrix} 213 \\ \frac{29}{184} \\ \frac{29}{184} \\ \frac{29}{184} \\ \frac{29}{184} \\ \frac{29}{184} \\ \frac{29}{124} \\ \frac{29}{101} \\ \frac{29}{124} \\ \frac{29}{101} \\ \frac{29}{124} \\ \frac{29}{101} \\ \frac{29}{124} \\ \frac{29}{101} \\ \frac{29}{124} \\ \frac{29}{101} \end{pmatrix}$$

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