

Fourier expansion of Poincare series $P(z)$

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$P(z) =$

$$\begin{aligned} & (-1/2/(\pi^*y) + 1)*q^{(-1)} + (5/(\pi^*y)) + (29/2/(\pi^*y) + 29)*q + (52/(\pi^*y) + 208)*q^2 + \\ & (273/2/(\pi^*y) + 819)*q^3 + (380/(\pi^*y) + 3040)*q^4 + (1685/2/(\pi^*y) + 8425)*q^5 + \\ & (2004/(\pi^*y) + 24048)*q^6 + (4167/(\pi^*y) + 58338)*q^7 + (8780/(\pi^*y) + 140480)*q^8 + \\ & (34563/2/(\pi^*y) + 311067)*q^9 + (34040/(\pi^*y) + 680800)*q^{10} + (63605/(\pi^*y) + \\ & 1399310)*q^{11} + (119004/(\pi^*y) + 2856096)*q^{12} + (428579/2/(\pi^*y) + 5571527)*q^{13} + \\ & (383904/(\pi^*y) + 10749312)*q^{14} + (1339605/2/(\pi^*y) + 20094075)*q^{15} + (1161068/(\pi^*y) + \\ & 37154176)*q^{16} + (1969420/(\pi^*y) + 66960280)*q^{17} + (3320628/(\pi^*y) + 119542608)*q^{18} + \\ & (5502082/(\pi^*y) + 209079116)*q^{19} + (9055400/(\pi^*y) + 362216000)*q^{20} + \text{Order}(q^{21}) \end{aligned}$$