more constants

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1 e constant

using hash table with limit +-20, polynomials with limit +-20. time - about 2 hours.

$$\frac{2e}{-3+e} = -20 - \frac{16}{-24 - \frac{32}{-28 - \frac{48}{-32 - \frac{64}{-36 - \frac{80}{\cdot\cdot}}}}}$$

$$\frac{4e}{2-e} = -16 - \frac{16}{-20 - \frac{32}{-24 - \frac{48}{-28 - \frac{64}{-32 - \frac{80}{\cdot\cdot}}}}}$$

$$-4e = -12 - \frac{16}{-16 - \frac{32}{-20 - \frac{48}{-24 - \frac{64}{-28 - \frac{80}{\cdot\cdot}}}}}$$

$$4e = 12 - \frac{16}{16 - \frac{32}{20 - \frac{48}{24 - \frac{64}{28 - \frac{80}{\cdot\cdot}}}}}$$

$$\frac{4e}{-2+e} = 16 - \frac{16}{20 - \frac{32}{24 - \frac{48}{28 - \frac{64}{32 - \frac{80}{\cdot\cdot}}}}}$$

$$\frac{2e}{3-e} = 20 - \frac{16}{24 - \frac{32}{28 - \frac{48}{32 - \frac{64}{36 - \frac{80}{\cdot\cdot}}}}}$$

$$\frac{3\left(-2+e\right)}{8-3e} = -15 - \frac{18}{-18 - \frac{27}{-21 - \frac{36}{-24 - \frac{45}{-27 - \frac{54}{\cdot\cdot}}}}}$$

$$\frac{3}{-3+e} = -12 - \frac{18}{-15 - \frac{27}{-18 - \frac{36}{-21 - \frac{45}{-24 - \frac{54}{\cdot\cdot}}}}}$$

$$\frac{3\left(-1+e\right)}{2-e} = -9 - \frac{18}{-12 - \frac{27}{-15 - \frac{36}{-18 - \frac{45}{-21 - \frac{54}{\cdot\cdot}}}}}$$

$$\frac{3\left(1-e\right)}{2-e} = 9 - \frac{18}{12 - \frac{27}{15 - \frac{36}{18 - \frac{45}{21 - \frac{54}{\cdot\cdot}}}}}$$

$$\frac{3}{3-e} = 12 - \frac{18}{15 - \frac{27}{18 - \frac{36}{21 - \frac{45}{24 - \frac{54}{\cdot\cdot}}}}}$$

$$\frac{3\left(2-e\right)}{8-3e} = 15 - \frac{18}{18 - \frac{27}{21 - \frac{36}{24 - \frac{45}{27 - \frac{54}{\cdot\cdot}}}}}$$

$$\frac{e}{8-3e} = -18 - \frac{9}{-21 - \frac{18}{-24 - \frac{27}{-27 - \frac{36}{-30 - \frac{45}{\cdot\cdot}}}}}$$

$$\frac{3e}{2\left(-3+e\right)} = -15 - \frac{9}{-18 - \frac{18}{-21 - \frac{27}{-24 - \frac{36}{-27 - \frac{45}{\cdot\cdot}}}}}$$

$$\frac{3e}{2-e} = -12 - \frac{9}{-15 - \frac{18}{-18 - \frac{27}{-21 - \frac{36}{-24 - \frac{45}{\cdot\cdot}}}}}$$

$$-3e = -9 - \frac{9}{-12 - \frac{18}{-15 - \frac{27}{-18 - \frac{36}{-21 - \frac{45}{\cdot\cdot}}}}}$$

$$3e = 9 - \frac{9}{12 - \frac{18}{15 - \frac{27}{18 - \frac{36}{21 - \frac{45}{\cdot\cdot}}}}}$$

$$\frac{3e}{-2+e} = 12 - \frac{9}{15 - \frac{18}{18 - \frac{27}{21 - \frac{36}{24 - \frac{45}{\cdot\cdot}}}}}$$

$$\frac{3e}{2\left(3-e\right)} = 15 - \frac{9}{18 - \frac{18}{21 - \frac{27}{24 - \frac{36}{27 - \frac{45}{\cdot\cdot}}}}}$$

$$\frac{e}{-8+3e} = 18 - \frac{9}{21 - \frac{18}{24 - \frac{27}{27 - \frac{36}{30 - \frac{45}{\cdot\cdot}}}}}$$

$$\frac{3\left(-5+2e\right)}{8-3e} = -10 - \frac{16}{-12 - \frac{20}{-14 - \frac{24}{-16 - \frac{28}{-18 - \frac{32}{\cdot\cdot}}}}}$$

$$\frac{3\left(5-2e\right)}{8-3e}=10-\frac{16}{12-\frac{20}{14-\frac{24}{16-\frac{28}{18-\frac{32}{\cdot\cdot}}}}}$$

$$\frac{2\left(-8+3e\right)}{19-7e}=-12-\frac{12}{-14-\frac{16}{-16-\frac{20}{-18-\frac{24}{-20-\frac{28}{\cdot\cdot}}}}}$$

$$\frac{4\left(-3+e\right)}{11-4e}=-10-\frac{12}{-12-\frac{16}{-14-\frac{20}{-16-\frac{24}{-18-\frac{28}{\cdot\cdot}}}}}$$

$$\frac{4\left(-2+e\right)}{5-2e}=-8-\frac{12}{-10-\frac{16}{-12-\frac{20}{-14-\frac{24}{-16-\frac{28}{\cdot\cdot}}}}}$$

$$\frac{4\left(2-e\right)}{5-2e}=8-\frac{12}{10-\frac{16}{12-\frac{20}{14-\frac{24}{16-\frac{28}{\cdot\cdot}}}}}$$

$$\frac{4\left(3-e\right)}{11-4e}=10-\frac{12}{12-\frac{16}{14-\frac{20}{16-\frac{24}{18-\frac{28}{\cdot\cdot}}}}}$$

$$\frac{2\left(8-3e\right)}{19-7e}=12-\frac{12}{14-\frac{16}{16-\frac{20}{18-\frac{24}{20-\frac{28}{\cdot\cdot}}}}}$$

$$\frac{2\left(-2+e\right)}{8-3e}=-10-\frac{8}{-12-\frac{12}{-14-\frac{16}{-16-\frac{20}{-18-\frac{24}{\cdot\cdot}}}}}$$

$$\frac{2}{-3+e}=-8-\frac{8}{-10-\frac{12}{-12-\frac{16}{-14-\frac{20}{-16-\frac{24}{\cdot\cdot}}}}}$$

$$\frac{2\left(-1+e\right)}{2-e}=-6-\frac{8}{-8-\frac{12}{-10-\frac{16}{-12-\frac{20}{-14-\frac{24}{\cdot\cdot}}}}}$$

$$\frac{2\left(1-e\right)}{2-e}=6-\frac{8}{8-\frac{12}{10-\frac{16}{12-\frac{20}{14-\frac{24}{\cdot\cdot}}}}}$$

$$\frac{2}{3-e}=8-\frac{8}{10-\frac{12}{12-\frac{16}{14-\frac{20}{16-\frac{24}{\cdot\cdot}}}}}$$

$$\frac{2\left(2-e\right)}{8-3e}=10-\frac{8}{12-\frac{12}{14-\frac{16}{16-\frac{20}{18-\frac{24}{\cdot\cdot}}}}}$$

$$\frac{e}{-3+e} = -10 - \frac{4}{-12 - \frac{8}{-14 - \frac{12}{-16 - \frac{16}{-18 - \frac{20}{\cdot\cdot}}}}}$$

$$\frac{2e}{2-e} = -8 - \frac{4}{-10 - \frac{8}{-12 - \frac{12}{-14 - \frac{16}{-16 - \frac{20}{\cdot\cdot}}}}}$$

$$-2e = -6 - \frac{4}{-8 - \frac{8}{-10 - \frac{12}{-12 - \frac{16}{-14 - \frac{20}{\cdot\cdot}}}}}$$

$$2e = 6 - \frac{4}{8 - \frac{8}{10 - \frac{12}{12 - \frac{16}{14 - \frac{20}{\cdot\cdot}}}}}$$

$$\frac{2e}{-2+e} = 8 - \frac{4}{10 - \frac{8}{12 - \frac{12}{14 - \frac{16}{16 - \frac{20}{\cdot\cdot}}}}}$$

$$\frac{e}{3-e} = 10 - \frac{4}{12 - \frac{8}{14 - \frac{12}{16 - \frac{16}{18 - \frac{20}{\cdot\cdot}}}}}$$

$$\frac{3\left(-5+2e\right)}{2\left(8-3e\right)} = -5 - \frac{4}{-6 - \frac{5}{-7 - \frac{6}{-8 - \frac{7}{-9 - \frac{8}{\cdot\cdot}}}}}$$

$$\frac{3\left(5-2e\right)}{2\left(8-3e\right)} = 5 - \frac{4}{6 - \frac{5}{7 - \frac{6}{8 - \frac{7}{9 - \frac{8}{\cdot\cdot}}}}}$$

$$\frac{-8+3e}{19-7e} = -6 - \frac{3}{-7 - \frac{4}{-8 - \frac{5}{-9 - \frac{6}{-10 - \frac{7}{\cdot\cdot}}}}}$$

$$\frac{2\left(-3+e\right)}{11-4e} = -5 - \frac{3}{-6 - \frac{4}{-7 - \frac{5}{-8 - \frac{6}{-9 - \frac{7}{\cdot\cdot}}}}}$$

$$\frac{2\left(-2+e\right)}{5-2e} = -4 - \frac{3}{-5 - \frac{4}{-6 - \frac{5}{-7 - \frac{6}{-8 - \frac{7}{\cdot\cdot}}}}}$$

$$\frac{2\left(2-e\right)}{5-2e} = 4 - \frac{3}{5 - \frac{4}{6 - \frac{5}{7 - \frac{6}{8 - \frac{7}{\cdot\cdot}}}}}$$

$$\frac{2\left(3-e\right)}{11-4e} = 5 - \frac{3}{6 - \frac{4}{7 - \frac{5}{8 - \frac{6}{9 - \frac{7}{\cdot\cdot}}}}}$$

$$\frac{8-3e}{19-7e} = 6 - \frac{3}{7 - \frac{4}{8 - \frac{5}{9 - \frac{6}{10 - \frac{7}{\ddots}}}}}$$

$$\frac{-2+e}{8-3e} = -5 - \frac{2}{-6 - \frac{3}{-7 - \frac{4}{-8 - \frac{5}{-9 - \frac{6}{\ddots}}}}}$$

$$\frac{1}{-3+e} = -4 - \frac{2}{-5 - \frac{3}{-6 - \frac{4}{-7 - \frac{5}{-8 - \frac{6}{\ddots}}}}}$$

$$\frac{-1+e}{2-e} = -3 - \frac{2}{-4 - \frac{3}{-5 - \frac{4}{-6 - \frac{5}{-7 - \frac{6}{\ddots}}}}}$$

$$\frac{1-e}{2-e} = 3 - \frac{2}{4 - \frac{3}{5 - \frac{4}{6 - \frac{5}{7 - \frac{6}{\ddots}}}}}$$

$$\frac{1}{3-e} = 4 - \frac{2}{5 - \frac{3}{6 - \frac{4}{7 - \frac{5}{8 - \frac{6}{\ddots}}}}}$$

$$\frac{2-e}{8-3e} = 5 - \frac{2}{6 - \frac{3}{7 - \frac{4}{8 - \frac{5}{9 - \frac{6}{\ddots}}}}}$$

$$\frac{e}{2\left(-3+e\right)} = -5 - \frac{1}{-6 - \frac{2}{-7 - \frac{3}{-8 - \frac{4}{-9 - \frac{5}{\ddots}}}}}$$

$$\frac{e}{2-e} = -4 - \frac{1}{-5 - \frac{2}{-6 - \frac{3}{-7 - \frac{4}{-8 - \frac{5}{\ddots}}}}}$$

$$-e = -3 - \frac{1}{-4 - \frac{2}{-5 - \frac{3}{-6 - \frac{4}{-7 - \frac{5}{\ddots}}}}}$$

$$e = 3 - \frac{1}{4 - \frac{2}{5 - \frac{3}{6 - \frac{4}{7 - \frac{5}{\ddots}}}}}$$

$$\frac{e}{-2+e} = 4 - \frac{1}{5 - \frac{2}{6 - \frac{3}{7 - \frac{4}{8 - \frac{5}{\ddots}}}}}$$

$$\frac{e}{2\left(3-e\right)} = 5 - \frac{1}{6 - \frac{2}{7 - \frac{3}{8 - \frac{4}{9 - \frac{5}{\ddots}}}}}$$

$$\frac{3-e}{19-7e} = -10 + \frac{1}{-14 + \frac{1}{-18 + \frac{1}{-22 + \frac{1}{-26 + \frac{1}{\ddots}}}}}$$

$$\frac{1-e}{3-e} = -6 + \frac{1}{-10 + \frac{1}{-14 + \frac{1}{-18 + \frac{1}{-22 + \frac{1}{\ddots}}}}}$$

$$\frac{e+3}{1+e} = 2 + \frac{1}{-2 + \frac{1}{-6 + \frac{1}{-10 + \frac{1}{-14 + \frac{1}{\ddots}}}}}$$

$$-\frac{e+3}{1+e} = -2 + \frac{1}{2 + \frac{1}{6 + \frac{1}{10 + \frac{1}{14 + \frac{1}{\ddots}}}}}$$

$$\frac{-1+e}{3-e} = 6 + \frac{1}{10 + \frac{1}{14 + \frac{1}{18 + \frac{1}{22 + \frac{1}{\ddots}}}}}$$

$$\frac{-3+e}{19-7e} = 10 + \frac{1}{14 + \frac{1}{18 + \frac{1}{22 + \frac{1}{26 + \frac{1}{\ddots}}}}}$$

$$\frac{2\,(3-e)}{19-7e} = -20 + \frac{4}{-28 + \frac{4}{-36 + \frac{4}{-44 + \frac{4}{-52 + \frac{4}{\ddots}}}}}$$

$$\frac{2\,(1-e)}{3-e} = -12 + \frac{4}{-20 + \frac{4}{-28 + \frac{4}{-36 + \frac{4}{-44 + \frac{4}{\ddots}}}}}$$

$$\frac{2\,(e+3)}{1+e} = 4 + \frac{4}{-4 + \frac{4}{-12 + \frac{4}{-20 + \frac{4}{-28 + \frac{4}{\ddots}}}}}$$

$$-\frac{2e+6}{1+e} = -4 + \frac{4}{4 + \frac{4}{12 + \frac{4}{20 + \frac{4}{28 + \frac{4}{\ddots}}}}}$$

$$\frac{2\,(-1+e)}{3-e} = 12 + \frac{4}{20 + \frac{4}{28 + \frac{4}{36 + \frac{4}{44 + \frac{4}{\ddots}}}}}$$

$$\frac{2\,(-3+e)}{19-7e} = 20 + \frac{4}{28 + \frac{4}{36 + \frac{4}{44 + \frac{4}{52 + \frac{4}{\ddots}}}}}$$

$$\frac{3\,(1-e)}{3-e} = -18 + \frac{9}{-30 + \frac{9}{-42 + \frac{9}{-54 + \frac{9}{-66 + \frac{9}{\ddots}}}}}$$

$$\frac{3\,(e+3)}{1+e} = 6 + \cfrac{9}{-6+\cfrac{9}{-18+\cfrac{9}{-30+\cfrac{9}{-42+\frac{9}{\ddots}}}}}$$

$$-\frac{3e+9}{1+e} = -6 + \cfrac{9}{6+\cfrac{9}{18+\cfrac{9}{30+\cfrac{9}{42+\frac{9}{\ddots}}}}}$$

$$\frac{3\,(-1+e)}{3-e} = 18 + \cfrac{9}{30+\cfrac{9}{42+\cfrac{9}{54+\cfrac{9}{66+\frac{9}{\ddots}}}}}$$

$$\frac{4\,(e+3)}{1+e} = 8 + \cfrac{16}{-8+\cfrac{16}{-24+\cfrac{16}{-40+\cfrac{16}{-56+\frac{16}{\ddots}}}}}$$

$$-\frac{4e+12}{1+e} = -8 + \cfrac{16}{8+\cfrac{16}{24+\cfrac{16}{40+\cfrac{16}{56+\frac{16}{\ddots}}}}}$$

$$\frac{1}{2\,(8-3e)} = -3 + \cfrac{1}{-4+\cfrac{2}{-5+\cfrac{3}{-6+\cfrac{4}{-7+\frac{5}{\ddots}}}}}$$

$$\frac{1}{5-2e} = -2 + \cfrac{1}{-3+\cfrac{2}{-4+\cfrac{3}{-5+\cfrac{4}{-6+\frac{5}{\ddots}}}}}$$

$$\frac{1}{2-e} = -1 + \cfrac{1}{-2+\cfrac{2}{-3+\cfrac{3}{-4+\cfrac{4}{-5+\frac{5}{\ddots}}}}}$$

$$\frac{1}{-2+e} = 1 + \cfrac{1}{2+\cfrac{2}{3+\cfrac{3}{4+\cfrac{4}{5+\frac{5}{\ddots}}}}}$$

$$\frac{1}{-5+2e} = 2 + \cfrac{1}{3+\cfrac{2}{4+\cfrac{3}{5+\cfrac{4}{6+\frac{5}{\ddots}}}}}$$

$$\frac{1}{2\,(-8+3e)} = 3 + \cfrac{1}{4+\cfrac{2}{5+\cfrac{3}{6+\cfrac{4}{7+\frac{5}{\ddots}}}}}$$

$$\frac{5-2e}{11-4e} = -3 + \cfrac{2}{-4+\cfrac{3}{-5+\cfrac{4}{-6+\cfrac{5}{-7+\frac{6}{\ddots}}}}}$$

$$\frac{2-e}{3-e} = -2 + \cfrac{2}{-3+\cfrac{3}{-4+\cfrac{4}{-5+\cfrac{5}{-6+\frac{6}{\ddots}}}}}$$

$$1-e=-1+\cfrac{2}{-2+\cfrac{3}{-3+\cfrac{4}{-4+\cfrac{5}{-5+\cfrac{6}{\ddots}}}}}$$

$$-1+e=1+\cfrac{2}{2+\cfrac{3}{3+\cfrac{4}{4+\cfrac{5}{5+\cfrac{6}{\ddots}}}}}$$

$$\frac{-2+e}{3-e}=2+\cfrac{2}{3+\cfrac{3}{4+\cfrac{4}{5+\cfrac{5}{6+\cfrac{6}{\ddots}}}}}$$

$$\frac{-5+2e}{11-4e}=3+\cfrac{2}{4+\cfrac{3}{5+\cfrac{4}{6+\cfrac{5}{7+\cfrac{6}{\ddots}}}}}$$

$$\frac{11-4e}{19-7e}=-4+\cfrac{3}{-5+\cfrac{4}{-6+\cfrac{5}{-7+\cfrac{6}{-8+\cfrac{7}{\ddots}}}}}$$

$$\frac{2\left(3-e\right)}{8-3e}=-3+\cfrac{3}{-4+\cfrac{4}{-5+\cfrac{5}{-6+\cfrac{6}{-7+\cfrac{7}{\ddots}}}}}$$

$$\frac{2}{2-e}=-2+\cfrac{3}{-3+\cfrac{4}{-4+\cfrac{5}{-5+\cfrac{6}{-6+\cfrac{7}{\ddots}}}}}$$

$$\frac{2}{-2+e}=2+\cfrac{3}{3+\cfrac{4}{4+\cfrac{5}{5+\cfrac{6}{6+\cfrac{7}{\ddots}}}}}$$

$$\frac{2\left(-3+e\right)}{8-3e}=3+\cfrac{3}{4+\cfrac{4}{5+\cfrac{5}{6+\cfrac{6}{7+\cfrac{7}{\ddots}}}}}$$

$$\frac{-11+4e}{19-7e}=4+\cfrac{3}{5+\cfrac{4}{6+\cfrac{5}{7+\cfrac{6}{8+\cfrac{7}{\ddots}}}}}$$

$$\frac{3\left(2-e\right)}{2\left(3-e\right)}=-3+\cfrac{4}{-4+\cfrac{5}{-5+\cfrac{6}{-6+\cfrac{7}{-7+\cfrac{8}{\ddots}}}}}$$

$$\frac{3\left(-2+e\right)}{2\left(3-e\right)}=3+\cfrac{4}{4+\cfrac{5}{5+\cfrac{6}{6+\cfrac{7}{7+\cfrac{8}{\ddots}}}}}$$

$$\frac{1}{8-3e}=-6+\cfrac{4}{-8+\cfrac{8}{-10+\cfrac{12}{-12+\cfrac{16}{-14+\cfrac{20}{\ddots}}}}}$$

$$\frac{2}{5-2e} = -4 + \frac{4}{-6 + \frac{8}{-8+\frac{12}{-10+\frac{16}{-12+\frac{20}{\ddots}}}}}$$

$$\frac{2}{2-e} = -2 + \frac{4}{-4 + \frac{8}{-6+\frac{12}{-8+\frac{16}{-10+\frac{20}{\ddots}}}}}$$

$$\frac{2}{-2+e} = 2 + \frac{4}{4 + \frac{8}{6+\frac{12}{8+\frac{16}{10+\frac{20}{\ddots}}}}}$$

$$\frac{2}{-5+2e} = 4 + \frac{4}{6 + \frac{8}{8+\frac{12}{10+\frac{16}{12+\frac{20}{\ddots}}}}}$$

$$\frac{1}{-8+3e} = 6 + \frac{4}{8 + \frac{8}{10+\frac{12}{12+\frac{16}{14+\frac{20}{\ddots}}}}}$$

$$\frac{2\,(5-2e)}{11-4e} = -6 + \frac{8}{-8 + \frac{12}{-10+\frac{16}{-12+\frac{20}{-14+\frac{24}{\ddots}}}}}$$

$$\frac{2\,(2-e)}{3-e} = -4 + \frac{8}{-6 + \frac{12}{-8+\frac{16}{-10+\frac{20}{-12+\frac{24}{\ddots}}}}}$$

$$2-2e = -2 + \frac{8}{-4 + \frac{12}{-6+\frac{16}{-8+\frac{20}{-10+\frac{24}{\ddots}}}}}$$

$$-2+2e = 2 + \frac{8}{4 + \frac{12}{6+\frac{16}{8+\frac{20}{10+\frac{24}{\ddots}}}}}$$

$$\frac{2\,(-2+e)}{3-e} = 4 + \frac{8}{6 + \frac{12}{8+\frac{16}{10+\frac{20}{12+\frac{24}{\ddots}}}}}$$

$$\frac{2\,(-5+2e)}{11-4e} = 6 + \frac{8}{8 + \frac{12}{10+\frac{16}{12+\frac{20}{14+\frac{24}{\ddots}}}}}$$

$$\frac{4\,(3-e)}{8-3e} = -6 + \frac{12}{-8 + \frac{16}{-10+\frac{20}{-12+\frac{24}{-14+\frac{28}{\ddots}}}}}$$

$$\frac{4}{2-e} = -4 + \frac{12}{-6 + \frac{16}{-8+\frac{20}{-10+\frac{24}{-12+\frac{28}{\ddots}}}}}$$

$$\frac{4}{-2+e} = 4 + \frac{12}{6 + \frac{16}{8 + \frac{20}{10 + \frac{24}{12 + \frac{28}{\ddots}}}}}$$

$$\frac{4\,(-3+e)}{8-3e} = 6 + \frac{12}{8 + \frac{16}{10 + \frac{20}{12 + \frac{24}{14 + \frac{28}{\ddots}}}}}$$

$$\frac{3\,(2-e)}{3-e} = -6 + \frac{16}{-8 + \frac{20}{-10 + \frac{24}{-12 + \frac{28}{-14 + \frac{32}{\ddots}}}}}$$

$$\frac{3\,(-2+e)}{3-e} = 6 + \frac{16}{8 + \frac{20}{10 + \frac{24}{12 + \frac{28}{14 + \frac{32}{\ddots}}}}}$$

$$\frac{3}{2\,(8-3e)} = -9 + \frac{9}{-12 + \frac{18}{-15 + \frac{27}{-18 + \frac{36}{-21 + \frac{45}{\ddots}}}}}$$

$$\frac{3}{5-2e} = -6 + \frac{9}{-9 + \frac{18}{-12 + \frac{27}{-15 + \frac{36}{-18 + \frac{45}{\ddots}}}}}$$

$$\frac{3}{2-e} = -3 + \frac{9}{-6 + \frac{18}{-9 + \frac{27}{-12 + \frac{36}{-15 + \frac{45}{\ddots}}}}}$$

$$\frac{3}{-2+e} = 3 + \frac{9}{6 + \frac{18}{9 + \frac{27}{12 + \frac{36}{15 + \frac{45}{\ddots}}}}}$$

$$\frac{3}{-5+2e} = 6 + \frac{9}{9 + \frac{18}{12 + \frac{27}{15 + \frac{36}{18 + \frac{45}{\ddots}}}}}$$

$$\frac{3}{2\,(-8+3e)} = 9 + \frac{9}{12 + \frac{18}{15 + \frac{27}{18 + \frac{36}{21 + \frac{45}{\ddots}}}}}$$

$$\frac{3\,(5-2e)}{11-4e} = -9 + \frac{18}{-12 + \frac{27}{-15 + \frac{36}{-18 + \frac{45}{-21 + \frac{54}{\ddots}}}}}$$

$$\frac{3\,(2-e)}{3-e} = -6 + \frac{18}{-9 + \frac{27}{-12 + \frac{36}{-15 + \frac{45}{-18 + \frac{54}{\ddots}}}}}$$

$$3 - 3e = -3 + \frac{18}{-6 + \frac{27}{-9 + \frac{36}{-12 + \frac{45}{-15 + \frac{54}{\ddots}}}}}$$

$$-3+3e=3+\cfrac{18}{6+\cfrac{27}{9+\cfrac{36}{12+\cfrac{45}{15+\cfrac{54}{\cdot\cdot}}}}}$$

$$\frac{3\left(-2+e\right)}{3-e}=6+\cfrac{18}{9+\cfrac{27}{12+\cfrac{36}{15+\cfrac{45}{18+\cfrac{54}{\cdot\cdot}}}}}$$

$$\frac{3\left(-5+2e\right)}{11-4e}=9+\cfrac{18}{12+\cfrac{27}{15+\cfrac{36}{18+\cfrac{45}{21+\cfrac{54}{\cdot\cdot}}}}}$$

$$\frac{2}{8-3e}=-12+\cfrac{16}{-16+\cfrac{32}{-20+\cfrac{48}{-24+\cfrac{64}{-28+\cfrac{80}{\cdot\cdot}}}}}$$

$$\frac{4}{5-2e}=-8+\cfrac{16}{-12+\cfrac{32}{-16+\cfrac{48}{-20+\cfrac{64}{-24+\cfrac{80}{\cdot\cdot}}}}}$$

$$\frac{4}{2-e}=-4+\cfrac{16}{-8+\cfrac{32}{-12+\cfrac{48}{-16+\cfrac{64}{-20+\cfrac{80}{\cdot\cdot}}}}}$$

$$\frac{4}{-2+e}=4+\cfrac{16}{8+\cfrac{32}{12+\cfrac{48}{16+\cfrac{64}{20+\cfrac{80}{\cdot\cdot}}}}}$$

$$\frac{4}{-5+2e}=8+\cfrac{16}{12+\cfrac{32}{16+\cfrac{48}{20+\cfrac{64}{24+\cfrac{80}{\cdot\cdot}}}}}$$

$$\frac{2}{-8+3e}=12+\cfrac{16}{16+\cfrac{32}{20+\cfrac{48}{24+\cfrac{64}{28+\cfrac{80}{\cdot\cdot}}}}}$$

2 π constant

using hash table with limit +-13, polynomials with limit +-20. time - about 12 hours.

$$\frac{8}{8-3\pi}=-6-\cfrac{4}{-12-\cfrac{24}{-18-\cfrac{60}{-24-\cfrac{112}{-30-\cfrac{180}{\cdot\cdot}}}}}$$

$$\frac{4}{2-\pi}=-4-\cfrac{4}{-10-\cfrac{24}{-16-\cfrac{60}{-22-\cfrac{112}{-28-\cfrac{180}{\cdot\cdot}}}}}$$

$$-\frac{4}{\pi} = -2 - \frac{4}{-8 - \frac{24}{-14 - \frac{60}{-20 - \frac{112}{-26 - \frac{180}{\cdot\cdot}}}}}$$

$$\frac{4}{\pi} = 2 - \frac{4}{8 - \frac{24}{14 - \frac{60}{20 - \frac{112}{26 - \frac{180}{\cdot\cdot}}}}}$$

$$\frac{4}{-2+\pi} = 4 - \frac{4}{10 - \frac{24}{16 - \frac{60}{22 - \frac{112}{28 - \frac{180}{\cdot\cdot}}}}}$$

$$\frac{8}{-8+3\pi} = 6 - \frac{4}{12 - \frac{24}{18 - \frac{60}{24 - \frac{112}{30 - \frac{180}{\cdot\cdot}}}}}$$

$$\frac{18\pi}{-16+3\pi} = -8 + \frac{8}{-14 - \frac{12}{-20 - \frac{48}{-26 - \frac{100}{-32 - \frac{168}{\cdot\cdot}}}}}$$

$$-\frac{3\pi}{2} - 2 = -6 + \frac{8}{-12 - \frac{12}{-18 - \frac{48}{-24 - \frac{100}{-30 - \frac{168}{\cdot\cdot}}}}}$$

$$2 + \frac{3\pi}{2} = 6 + \frac{8}{12 - \frac{12}{18 - \frac{48}{24 - \frac{100}{30 - \frac{168}{\cdot\cdot}}}}}$$

$$\frac{18\pi}{16-3\pi} = 8 + \frac{8}{14 - \frac{12}{20 - \frac{48}{26 - \frac{100}{32 - \frac{168}{\cdot\cdot}}}}}$$

$$-\frac{8}{\pi} = -2 + \frac{4}{-8 - \frac{8}{-14 - \frac{36}{-20 - \frac{80}{-26 - \frac{140}{\cdot\cdot}}}}}$$

$$-\frac{4}{2+\pi} = \frac{4}{-6 - \frac{8}{-12 - \frac{36}{-18 - \frac{80}{-24 - \frac{140}{\cdot\cdot}}}}}$$

$$\frac{4}{\pi+4} = 2 + \frac{4}{-4 - \frac{8}{-10 - \frac{36}{-16 - \frac{80}{-22 - \frac{140}{\cdot\cdot}}}}}$$

$$-\frac{4}{\pi+4} = -2 + \frac{4}{4 - \frac{8}{10 - \frac{36}{16 - \frac{80}{22 - \frac{140}{\cdot\cdot}}}}}$$

$$\frac{4}{2+\pi} = \frac{4}{6 - \frac{8}{12 - \frac{36}{18 - \frac{80}{24 - \frac{140}{\cdot\cdot}}}}}$$

$$\frac{8}{\pi} = 2 + \frac{4}{8 - \frac{8}{14 - \frac{36}{20 - \frac{80}{26 - \frac{140}{\cdot\cdot}}}}}$$

$$-\frac{8}{8 + 3\pi} = 2 + \frac{12}{-4 + \frac{8}{-10 - \frac{12}{-16 - \frac{48}{-22 - \frac{100}{\cdot\cdot}}}}}$$

$$\frac{4}{3\pi + 10} = 4 + \frac{12}{-2 + \frac{8}{-8 - \frac{12}{-14 - \frac{48}{-20 - \frac{100}{\cdot\cdot}}}}}$$

$$-\frac{4}{3\pi + 10} = -4 + \frac{12}{2 + \frac{8}{8 - \frac{12}{14 - \frac{48}{20 - \frac{100}{\cdot\cdot}}}}}$$

$$\frac{8}{8 + 3\pi} = -2 + \frac{12}{4 + \frac{8}{10 - \frac{12}{16 - \frac{48}{22 - \frac{100}{\cdot\cdot}}}}}$$

$$\frac{3\pi}{8 - 3\pi} = -8 - \frac{12}{-11 - \frac{25}{-14 - \frac{42}{-17 - \frac{63}{-20 - \frac{88}{\cdot\cdot}}}}}$$

$$-3 - \frac{3\pi}{4} = -7 - \frac{12}{-10 - \frac{25}{-13 - \frac{42}{-16 - \frac{63}{-19 - \frac{88}{\cdot\cdot}}}}}$$

$$\frac{3\pi}{4} + 3 = 7 - \frac{12}{10 - \frac{25}{13 - \frac{42}{16 - \frac{63}{19 - \frac{88}{\cdot\cdot}}}}}$$

$$\frac{3\pi}{-8 + 3\pi} = 8 - \frac{12}{11 - \frac{25}{14 - \frac{42}{17 - \frac{63}{20 - \frac{88}{\cdot\cdot}}}}}$$

$$\frac{3\,(-4 + \pi)}{10 - 3\pi} = -6 - \frac{10}{-9 - \frac{21}{-12 - \frac{36}{-15 - \frac{55}{-18 - \frac{78}{\cdot\cdot}}}}}$$

$$\frac{3\,(4 - \pi)}{10 - 3\pi} = 6 - \frac{10}{9 - \frac{21}{12 - \frac{36}{15 - \frac{55}{18 - \frac{78}{\cdot\cdot}}}}}$$

$$\frac{2\,(-4 + \pi)}{16 - 5\pi} = -7 - \frac{9}{-10 - \frac{20}{-13 - \frac{35}{-16 - \frac{54}{-19 - \frac{77}{\cdot\cdot}}}}}$$

$$\frac{4}{-4 + \pi} = -6 - \frac{9}{-9 - \frac{20}{-12 - \frac{35}{-15 - \frac{54}{-18 - \frac{77}{\cdot\cdot}}}}}$$

$$-2-\frac{4}{\pi}=-5-\frac{9}{-8-\frac{20}{-11-\frac{35}{-14-\frac{54}{-17-\frac{77}{\cdot\cdot}}}}}$$

$$\frac{4}{\pi}+2=5-\frac{9}{8-\frac{20}{11-\frac{35}{14-\frac{54}{17-\frac{77}{\cdot\cdot}}}}}$$

$$\frac{4}{4-\pi}=6-\frac{9}{9-\frac{20}{12-\frac{35}{15-\frac{54}{18-\frac{77}{\cdot\cdot}}}}}$$

$$\frac{2\left(4-\pi\right)}{16-5\pi}=7-\frac{9}{10-\frac{20}{13-\frac{35}{16-\frac{54}{19-\frac{77}{\cdot\cdot}}}}}$$

$$\frac{-2+\pi}{2\left(3-\pi\right)}=-5-\frac{6}{-8-\frac{15}{-11-\frac{28}{-14-\frac{45}{-17-\frac{66}{\cdot\cdot}}}}}$$

$$\frac{\pi}{2-\pi}=-4-\frac{6}{-7-\frac{15}{-10-\frac{28}{-13-\frac{45}{-16-\frac{66}{\cdot\cdot}}}}}$$

$$\frac{\pi}{-2+\pi}=4-\frac{6}{7-\frac{15}{10-\frac{28}{13-\frac{45}{16-\frac{66}{\cdot\cdot}}}}}$$

$$\frac{2-\pi}{2\left(3-\pi\right)}=5-\frac{6}{8-\frac{15}{11-\frac{28}{14-\frac{45}{17-\frac{66}{\cdot\cdot}}}}}$$

$$\frac{6}{8-3\pi}=-5-\frac{5}{-8-\frac{14}{-11-\frac{27}{-14-\frac{44}{-17-\frac{65}{\cdot\cdot}}}}}$$

$$\frac{6}{-8+3\pi}=5-\frac{5}{8-\frac{14}{11-\frac{27}{14-\frac{44}{17-\frac{65}{\cdot\cdot}}}}}$$

$$\frac{8}{8-3\pi}=-6-\frac{3}{-9-\frac{12}{-12-\frac{25}{-15-\frac{42}{-18-\frac{63}{\cdot\cdot}}}}}$$

$$-\frac{8}{\pi}-2=-5-\frac{3}{-8-\frac{12}{-11-\frac{25}{-14-\frac{42}{-17-\frac{63}{\cdot\cdot}}}}}$$

$$2+\frac{8}{\pi}=5-\frac{3}{8-\frac{12}{11-\frac{25}{14-\frac{42}{17-\frac{63}{\cdot\cdot}}}}}$$

$$\frac{8}{-8+3\pi} = 6 - \frac{3}{9 - \frac{12}{12 - \frac{25}{15 - \frac{42}{18 - \frac{63}{\ddots}}}}}$$

$$\frac{2}{-10+3\pi} = -4 - \frac{3}{-7 - \frac{10}{-10 - \frac{21}{-13 - \frac{36}{-16 - \frac{55}{\ddots}}}}}$$

$$\frac{2}{-4+\pi} = -3 - \frac{3}{-6 - \frac{10}{-9 - \frac{21}{-12 - \frac{36}{-15 - \frac{55}{\ddots}}}}}$$

$$\frac{2}{4-\pi} = 3 - \frac{3}{6 - \frac{10}{9 - \frac{21}{12 - \frac{36}{15 - \frac{55}{\ddots}}}}}$$

$$\frac{2}{10-3\pi} = 4 - \frac{3}{7 - \frac{10}{10 - \frac{21}{13 - \frac{36}{16 - \frac{55}{\ddots}}}}}$$

$$\frac{4-3\pi}{2\left(10-3\pi\right)} = -5 - \frac{2}{-8 - \frac{9}{-11 - \frac{20}{-14 - \frac{35}{-17 - \frac{54}{\ddots}}}}}$$

$$\frac{\pi}{-4+\pi} = -4 - \frac{2}{-7 - \frac{9}{-10 - \frac{20}{-13 - \frac{35}{-16 - \frac{54}{\ddots}}}}}$$

$$-\frac{\pi}{2} - 1 = -3 - \frac{2}{-6 - \frac{9}{-9 - \frac{20}{-12 - \frac{35}{-15 - \frac{54}{\ddots}}}}}$$

$$-\frac{\pi+4}{2+\pi} = -2 - \frac{2}{-5 - \frac{9}{-8 - \frac{20}{-11 - \frac{35}{-14 - \frac{54}{\ddots}}}}}$$

$$\frac{\pi+4}{2+\pi} = 2 - \frac{2}{5 - \frac{9}{8 - \frac{20}{11 - \frac{35}{14 - \frac{54}{\ddots}}}}}$$

$$1 + \frac{\pi}{2} = 3 - \frac{2}{6 - \frac{9}{9 - \frac{20}{12 - \frac{35}{15 - \frac{54}{\ddots}}}}}$$

$$\frac{\pi}{4-\pi} = 4 - \frac{2}{7 - \frac{9}{10 - \frac{20}{13 - \frac{35}{16 - \frac{54}{\ddots}}}}}$$

$$\frac{-4+3\pi}{2\left(10-3\pi\right)} = 5 - \frac{2}{8 - \frac{9}{11 - \frac{20}{14 - \frac{35}{17 - \frac{54}{\ddots}}}}}$$

$$\frac{4}{8-3\pi} = -3 - \cfrac{1}{-6 - \cfrac{6}{-9 - \cfrac{15}{-12 - \cfrac{28}{-15 - \cfrac{45}{\cdot\cdot}}}}}$$

$$\frac{2}{2-\pi} = -2 - \cfrac{1}{-5 - \cfrac{6}{-8 - \cfrac{15}{-11 - \cfrac{28}{-14 - \cfrac{45}{\cdot\cdot}}}}}$$

$$-\frac{2}{\pi} = -1 - \cfrac{1}{-4 - \cfrac{6}{-7 - \cfrac{15}{-10 - \cfrac{28}{-13 - \cfrac{45}{\cdot\cdot}}}}}$$

$$\frac{2}{\pi} = 1 - \cfrac{1}{4 - \cfrac{6}{7 - \cfrac{15}{10 - \cfrac{28}{13 - \cfrac{45}{\cdot\cdot}}}}}$$

$$\frac{2}{-2+\pi} = 2 - \cfrac{1}{5 - \cfrac{6}{8 - \cfrac{15}{11 - \cfrac{28}{14 - \cfrac{45}{\cdot\cdot}}}}}$$

$$\frac{4}{-8+3\pi} = 3 - \cfrac{1}{6 - \cfrac{6}{9 - \cfrac{15}{12 - \cfrac{28}{15 - \cfrac{45}{\cdot\cdot}}}}}$$

$$\frac{9\pi}{-16+3\pi} = -4 + \cfrac{2}{-7 - \cfrac{3}{-10 - \cfrac{12}{-13 - \cfrac{25}{-16 - \cfrac{42}{\cdot\cdot}}}}}$$

$$-\frac{3\pi}{4} - 1 = -3 + \cfrac{2}{-6 - \cfrac{3}{-9 - \cfrac{12}{-12 - \cfrac{25}{-15 - \cfrac{42}{\cdot\cdot}}}}}$$

$$1 + \frac{3\pi}{4} = 3 + \cfrac{2}{6 - \cfrac{3}{9 - \cfrac{12}{12 - \cfrac{25}{15 - \cfrac{42}{\cdot\cdot}}}}}$$

$$\frac{9\pi}{16-3\pi} = 4 + \cfrac{2}{7 - \cfrac{3}{10 - \cfrac{12}{13 - \cfrac{25}{16 - \cfrac{42}{\cdot\cdot}}}}}$$

$$\frac{12}{4-3\pi} = -2 + \cfrac{1}{-5 - \cfrac{2}{-8 - \cfrac{9}{-11 - \cfrac{20}{-14 - \cfrac{35}{\cdot\cdot}}}}}$$

$$-\frac{4}{\pi} = -1 + \cfrac{1}{-4 - \cfrac{2}{-7 - \cfrac{9}{-10 - \cfrac{20}{-13 - \cfrac{35}{\cdot\cdot}}}}}$$

$$-\frac{2}{2+\pi} = \cfrac{1}{-3 - \cfrac{2}{-6 - \cfrac{9}{-9 - \cfrac{20}{-12 - \cfrac{35}{\cdot\cdot}}}}}$$

$$\frac{2}{\pi+4}=1+\frac{1}{-2-\frac{2}{-5-\frac{9}{-8-\frac{20}{-11-\frac{35}{\cdot\cdot}}}}}$$

$$-\frac{2}{\pi+4}=-1+\frac{1}{2-\frac{2}{5-\frac{9}{8-\frac{20}{11-\frac{35}{\cdot\cdot}}}}}$$

$$\frac{2}{2+\pi}=\frac{1}{3-\frac{2}{6-\frac{9}{9-\frac{20}{12-\frac{35}{\cdot\cdot}}}}}$$

$$\frac{4}{\pi}=1+\frac{1}{4-\frac{2}{7-\frac{9}{10-\frac{20}{13-\frac{35}{\cdot\cdot}}}}}$$

$$\frac{12}{-4+3\pi}=2+\frac{1}{5-\frac{2}{8-\frac{9}{11-\frac{20}{14-\frac{35}{\cdot\cdot}}}}}$$

$$-\frac{15\pi}{16}-1=-3+\frac{6}{-6+\frac{3}{-9-\frac{4}{-12-\frac{15}{-15-\frac{30}{\cdot\cdot}}}}}$$

$$1+\frac{15\pi}{16}=3+\frac{6}{6+\frac{3}{9-\frac{4}{12-\frac{15}{15-\frac{30}{\cdot\cdot}}}}}$$

$$-\frac{16}{3\pi}=-1+\frac{3}{-4+\frac{2}{-7-\frac{3}{-10-\frac{12}{-13-\frac{25}{\cdot\cdot}}}}}$$

$$-\frac{12}{4+3\pi}=\frac{3}{-3+\frac{2}{-6-\frac{3}{-9-\frac{12}{-12-\frac{25}{\cdot\cdot}}}}}$$

$$-\frac{4}{8+3\pi}=1+\frac{3}{-2+\frac{2}{-5-\frac{3}{-8-\frac{12}{-11-\frac{25}{\cdot\cdot}}}}}$$

$$\frac{4}{8+3\pi}=-1+\frac{3}{2+\frac{2}{5-\frac{3}{8-\frac{12}{11-\frac{25}{\cdot\cdot}}}}}$$

$$\frac{12}{4+3\pi}=\frac{3}{3+\frac{2}{6-\frac{3}{9-\frac{12}{12-\frac{25}{\cdot\cdot}}}}}$$

$$\frac{16}{3\pi}=1+\frac{3}{4+\frac{2}{7-\frac{3}{10-\frac{12}{13-\frac{25}{\cdot\cdot}}}}}$$

$$-\frac{4}{\pi} = -1 + \cfrac{1}{-3 + \cfrac{4}{-5 + \cfrac{9}{-7 + \cfrac{16}{-9 + \cfrac{25}{\ddots}}}}}$$

$$\frac{4}{\pi} = 1 + \cfrac{1}{3 + \cfrac{4}{5 + \cfrac{9}{7 + \cfrac{16}{9 + \cfrac{25}{\ddots}}}}}$$

$$\frac{4}{2-\pi} = -3 + \cfrac{3}{-5 + \cfrac{8}{-7 + \cfrac{15}{-9 + \cfrac{24}{-11 + \cfrac{35}{\ddots}}}}}$$

$$\frac{4}{-2+\pi} = 3 + \cfrac{3}{5 + \cfrac{8}{7 + \cfrac{15}{9 + \cfrac{24}{11 + \cfrac{35}{\ddots}}}}}$$

$$\frac{\pi}{-4+\pi} = -3 + \cfrac{4}{-5 + \cfrac{9}{-7 + \cfrac{16}{-9 + \cfrac{25}{-11 + \cfrac{36}{\ddots}}}}}$$

$$\frac{\pi}{4-\pi} = 3 + \cfrac{4}{5 + \cfrac{9}{7 + \cfrac{16}{9 + \cfrac{25}{11 + \cfrac{36}{\ddots}}}}}$$

$$\frac{8}{8-3\pi} = -5 + \cfrac{5}{-7 + \cfrac{12}{-9 + \cfrac{21}{-11 + \cfrac{32}{-13 + \cfrac{45}{\ddots}}}}}$$

$$\frac{8}{-8+3\pi} = 5 + \cfrac{5}{7 + \cfrac{12}{9 + \cfrac{21}{11 + \cfrac{32}{13 + \cfrac{45}{\ddots}}}}}$$

$$\frac{3\,(2-\pi)}{10-3\pi} = -5 + \cfrac{8}{-7 + \cfrac{15}{-9 + \cfrac{24}{-11 + \cfrac{35}{-13 + \cfrac{48}{\ddots}}}}}$$

$$\frac{3\,(-2+\pi)}{10-3\pi} = 5 + \cfrac{8}{7 + \cfrac{15}{9 + \cfrac{24}{11 + \cfrac{35}{13 + \cfrac{48}{\ddots}}}}}$$

$$\frac{4-\pi}{3-\pi} = -5 + \cfrac{9}{-7 + \cfrac{16}{-9 + \cfrac{25}{-11 + \cfrac{36}{-13 + \cfrac{49}{\ddots}}}}}$$

$$\frac{-4+\pi}{3-\pi} = 5 + \cfrac{9}{7 + \cfrac{16}{9 + \cfrac{25}{11 + \cfrac{36}{13 + \cfrac{49}{\ddots}}}}}$$

$$-\frac{8}{\pi} = -2 + \cfrac{4}{-6 + \cfrac{16}{-10 + \cfrac{36}{-14 + \cfrac{64}{-18 + \cfrac{100}{\ddots}}}}}$$

$$\frac{8}{\pi} = 2 + \cfrac{4}{6 + \cfrac{16}{10 + \cfrac{36}{14 + \cfrac{64}{18 + \cfrac{100}{\ddots}}}}}$$

3 $zeta(2)$ constant

found by original Ramanujan project:

$$\frac{5}{\zeta(2)} = 3 + \cfrac{1}{25 + \cfrac{16}{69 + \cfrac{81}{135 + \cfrac{256}{223 + \cfrac{625}{\ddots}}}}}$$

found by us:

$$\frac{4}{3\zeta(2)} = 1 - \cfrac{1}{7 - \cfrac{24}{19 - \cfrac{135}{37 - \cfrac{448}{61 - \cfrac{1125}{\ddots}}}}} = 1 - \cfrac{2\cdot 1^4 - 1^3}{7 - \cfrac{2\cdot 2^4 - 2^3}{19 - \cfrac{2\cdot 3^4 - 3^3}{37 - \cfrac{2\cdot 4^4 - 4^3}{61 - \cfrac{2\cdot 5^4 - 5^3}{\ddots}}}}}$$

$$\frac{4}{\zeta(2)} = 2 + \cfrac{8}{16 + \cfrac{128}{44 + \cfrac{648}{86 + \cfrac{2048}{142 + \cfrac{5000}{\ddots}}}}} = 2 + \cfrac{8\cdot 1^4}{16 + \cfrac{8\cdot 2^4}{44 + \cfrac{8\cdot 3^4}{86 + \cfrac{8\cdot 4^4}{142 + \cfrac{8\cdot 5^4}{\ddots}}}}}$$

$$\frac{8}{2 + 3\zeta(2)} = 1 + \cfrac{1}{7 - \cfrac{8}{19 - \cfrac{81}{37 - \cfrac{320}{61 - \cfrac{875}{\ddots}}}}} = 1 - \cfrac{2\cdot 1^4 - 3\cdot 1^3}{7 - \cfrac{2\cdot 2^4 - 3\cdot 2^3}{19 - \cfrac{2\cdot 3^4 - 3\cdot 3^3}{37 - \cfrac{2\cdot 4^4 - 3\cdot 4^3}{61 - \cfrac{2\cdot 5^4 - 3\cdot 5^3}{\ddots}}}}}$$

$$\frac{3}{\zeta(2)} = 2 - \cfrac{2}{13 - \cfrac{48}{34 - \cfrac{270}{65 - \cfrac{896}{106 - \cfrac{2250}{\ddots}}}}} = 2 - \cfrac{4\cdot 1^4 - 2\cdot 1^3}{13 - \cfrac{4\cdot 2^4 - 2\cdot 2^3}{34 - \cfrac{4\cdot 3^4 - 2\cdot 3^3}{65 - \cfrac{4\cdot 4^4 - 2\cdot 4^3}{106 - \cfrac{4\cdot 5^4 - 2\cdot 5^3}{\ddots}}}}}$$

4 $zeta(3)$ constant

found by original Ramanujan project:

$$\frac{5}{2\zeta\left(3\right)} = 2 + \cfrac{2}{23 + \cfrac{192}{82 + \cfrac{2430}{197 + \cfrac{14336}{386 + \cfrac{56250}{\ddots}}}}}$$

found by us:

$$\frac{8}{7\zeta\left(3\right)} = 1 - \cfrac{1}{21 - \cfrac{64}{95 - \cfrac{729}{259 - \cfrac{4096}{549 - \cfrac{15625}{\ddots}}}}}$$