

# 1 Automatic Conjectures

These are the conjectures detected by the algorithm.

$$\frac{\pi}{-4} = \frac{1}{-1 + \frac{1}{-4 + \frac{1}{-7 + \frac{1}{-10 + \frac{1}{-13 + \dots}}}}}$$

$$\frac{\pi}{-4} = \frac{1}{-1 + \frac{1}{-3 + \frac{1}{-5 + \frac{1}{-7 + \frac{1}{-9 + \dots}}}}}$$

$$\frac{1}{2} \left( \frac{\pi}{-2} + -7 \right) = \frac{1}{-3 + \frac{3}{-5 + \frac{8}{-7 + \frac{15}{-9 + \frac{24}{-11 + \dots}}}}}$$

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

$$\frac{\pi}{-2} + -3 = \frac{1}{-2 + \frac{-1}{-5 + \frac{-6}{-8 + \frac{-15}{-11 + \frac{-28}{-14 + \dots}}}}}$$

$$\frac{\pi}{-2} = \frac{1}{-1 + \frac{-1}{-4 + \frac{-6}{-7 + \frac{-15}{-10 + \frac{-28}{-13 + \dots}}}}}$$

$$\frac{\pi}{-2} + 3 = \frac{1}{0 + \frac{1}{-3 + \frac{-2}{-6 + \frac{-9}{-9 + \frac{-20}{-12 + \dots}}}}}$$

$$-\left( \frac{\pi}{-2} + 3 \right) = 3 + \frac{-2}{6 + \frac{-9}{9 + \frac{-20}{12 + \frac{-35}{15 + \dots}}}}$$

$$\frac{1}{2} \left( \frac{\pi}{-2} + 1 \right) = \frac{1}{-3 + \frac{3}{-5 + \frac{8}{-7 + \frac{15}{-9 + \frac{24}{-11 + \dots}}}}}$$

$$\frac{1}{2}((-1) \cdot \pi + 6) = -3 + \frac{-2}{-6 + \frac{-9}{-9 + \frac{-20}{-12 + \frac{-35}{-15 + \dots}}}}$$

$$\frac{1}{-2}((-1) \cdot \pi + 6) = 3 + \frac{-2}{6 + \frac{-9}{9 + \frac{-20}{12 + \frac{-35}{15 + \dots}}}}$$

$$\frac{1}{-2}(\pi + 2) = -3 + \frac{-2}{-6 + \frac{-9}{-9 + \frac{-20}{-12 + \frac{-35}{-15 + \dots}}}}$$

$$\frac{1}{2}(\pi + 2) = 3 + \frac{-2}{6 + \frac{-9}{9 + \frac{-20}{12 + \frac{-35}{15 + \dots}}}}$$

$$-\left(\frac{\pi}{2} + 1\right) = -3 + \frac{-2}{-6 + \frac{-9}{-9 + \frac{-20}{-12 + \frac{-35}{-15 + \dots}}}}$$

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