[3] Презащения 1 в виде сумения в-ты размонаннях дробей с разными знаменатемым и гламыем равным 1.

$$\forall n \in M = \frac{1}{N+1} + \frac{1}{N(N+1)}$$

$$\frac{1}{1} = \frac{1}{1+1} + \frac{1}{1(1+1)} \iff \frac{1}{1} = \frac{1}{2} + \frac{1}{1/2} \iff 1 = \frac{1}{2} + \frac{1}{2}$$

$$\frac{1}{2} = \frac{1}{2+1} + \frac{1}{2(2+1)} = \frac{1}{3} + \frac{1}{2 \cdot 3} = \frac{1}{3} + \frac{1}{6}$$

$$\frac{1}{3} = \frac{1}{341} + \frac{1}{3(341)} = \frac{1}{4} + \frac{1}{311} = \frac{1}{4} + \frac{1}{12}$$

$$\frac{1}{6} = \frac{1}{641} + \frac{1}{6(6+1)} = \frac{1}{4} + \frac{1}{64} = \frac{1}{4} + \frac{1}{42}$$

$$6 = 641 + 6(641) = 7 + 6.7 = 7 + 42$$

$$1 = \frac{1}{2} + \frac{1}{2} = \frac{1}{2}$$

$$=\frac{1}{2}+\left(\frac{1}{3}+\frac{1}{6}\right)=\frac{1}{2}+\frac{1}{3}+\frac{1}{6}=$$

$$=\left(\frac{1}{3}+\frac{1}{6}\right)+\left(\frac{1}{4}+\frac{1}{12}\right)+\left(\frac{1}{7}+\frac{1}{42}\right)=$$