Fabian T. Niholet RDD2XA

$$\frac{21m^{4}-2n^{3}+7n^{2}-10n+7}{3n^{3}+n^{2}-10n+96} > \frac{21n^{4}-2n^{3}-10n}{3n^{3}+n^{3}+96n^{3}} > \frac{21n^{4}-(2n^{3}+10n^{3})}{100n^{3}} = \frac{21n^{4}-12n^{3}}{100n^{3}} = \frac{n^{4}+20n^{4}-12n^{3}}{100n^{3}} = \frac{n^{4}+n^{3}(20n-12)}{100n^{3}} > \frac{n^{4}}{100n^{3}}$$

$$M > \frac{3}{5} = \frac{m^4}{100^3} > 2022$$

$$\frac{m}{100} > 2022$$

$$\frac{m}{2022000}$$