## 2. Let the blocusize be n.

$$\frac{10+\frac{\pi}{4}+2(\frac{\pi}{4})^2+(\frac{\pi}{4})^3}{10+\frac{\pi}{4}+2(\frac{\pi}{4})^3} = 21056$$

$$\Rightarrow 10n + \frac{n^2}{4} + \frac{n^3}{8} + \frac{n^4}{64} = 21056$$

$$\rightarrow n + 8n^{3} + 16n^{2} + 640n = 21056 \times 64$$