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5 chests:
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$$Y_{n}Y_{n}, nY_{n}, Y_{n}, Y$$

Let
$$n \in \text{choices}$$
: $n \in \text{divides}$ $7 \times 11 \times 13$

$$= 1001$$

$$= \frac{\pi}{1001} \text{ yields no remainder}$$

$$\Rightarrow n = 1001 \times y, y \in \mathbb{N}$$

$$\Rightarrow \frac{\pi}{4} = 1001$$

We also know 200 100 000

$$\Rightarrow$$
 1001y > 1000000 \Rightarrow y > $\frac{100000}{1001}$

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Also, 22999999
⇒ 1001 y < 999999 ⇒</p>
→ y ∠ 999
 So find a y: y EN, 100 & y 2999
Such that \frac{\pi}{y} = |\infty|
 AND or fits pattern of one of the
   choices
 Lets examine n's relationship to y
   n = 1001 y = 1000 y + y
  We know 100 &y < 999, so lets represent
  y as XYZ where each letter is a digit
  We also know any 3-digit positive integer y
  when multiplied by 1000 yields the form
  XYZ 000
 Adding y to a number of the form XYZ000
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yields XYZXYZ

=> 1000y + y = number w/ form XYZ XYZ

XYZ, XYZ is the same form as

CGE, CGE or 4++, 4++ from above

=> Choose chest w/ 4++, 4++ on