2008 FI1.2

設 n 為正整數及 $\overbrace{20082008\cdots20081}^{n\text{個}2008}5$ 能被 15 整除。若 n 的最小可能值是 B，求B 的值。

Let n be a positive integer and $\overbrace{20082008\cdots20081}^{n\ 2008's}5$ is divisible by 15.

If the least possible value of n is B, find the value of B .

2011 FG4.3

設 n 及 $\frac{47}{5}\left(\frac{4}{47}+\frac{n}{141}\right)$ 為正整數。若 r 為 n 被 15 除的餘數，求 r 的最值。

Let n and $\frac{47}{5}\left(\frac{4}{47}+\frac{n}{141}\right)$ be positive integers.

If r is the remainder of n divided by 15, find the value of r .

Answers

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