Suppose that 33 is yational Take P=311

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Supposing both (9+0)

Sicles

3 = Pq2

To 92 = P2

To 92 = P2

To 92 = P2

To P2 is chisible by 3

So P will also chisible by 3

So P will also chisible by 3

Which is opposite to our statement:

D To Drove G- \( \sigma \) is irrational no.

Sor Suppose G-\( \sigma \) \( \text{Va timal no} \)

G-\( \sigma \) = \( \frac{P}{2} \) is \( \frac{P}{2} = \sigma \)

\[
\text{Vational and G2-P} = \( \frac{P}{2} = \sigma \)

\[
\text{Valine G-P} = \( \sigma \)

\[
\text{Valine G-V3 is irrational no.}
\]

Hence G-\( \text{V3 is irrational no.}
\]

