

4①

$$\begin{array}{r} 2 \\ 2 \overline{) 402} \\ \underline{4} \\ 02 \end{array}$$

$$\begin{array}{r} 20 \\ 2 \overline{) 400} \\ \underline{4} \\ 40 \overline{) 00} \\ \underline{00} \\ 00 \end{array}$$

least no. to be subtracted from 402 to get a perfect square = 2

$$\begin{aligned} \text{reqd. perfect square} &= 402 - 2 \\ &= 400 \end{aligned}$$

$$\sqrt{400} = 20$$

4② least no. to be subtracted from 1989 to get a perfect square = 53

$$\begin{array}{r} 44 \\ 4 \overline{) 1989} \\ \underline{16} \\ 84 \overline{) 389} \\ \underline{336} \\ 53 \end{array}$$

$$\begin{aligned} \text{required perfect square} &= 1989 - 53 \\ &= 1936 \end{aligned}$$

$$\begin{aligned} \sqrt{1936} \\ = 44 \end{aligned}$$

$$\begin{array}{r} 44 \\ 4 \overline{) 1936} \\ \underline{16} \\ 84 \overline{) 336} \\ \underline{336} \\ 0 \end{array}$$