

4(iii)

least no. to be subtracted from 3250 to get a perfect square = 1

required perfect square =  $3250 - 1$   
= 3249

$$\sqrt{3249} = 57$$

$$\begin{array}{r} 57 \\ \hline 5 \quad 3250 \\ \quad 25 \\ \hline 107 \quad 750 \\ \quad 749 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 57 \\ \hline 5 \quad 3249 \\ \quad 25 \\ \hline 107 \quad 749 \\ \quad 749 \\ \hline 0 \end{array}$$

4(iv) least no. to be subtracted from 825 to get a perfect square = 41

Required perfect square =  $825 - 41$   
= 784

$$\sqrt{784} = 28$$

$$\begin{array}{r} 28 \\ \hline 2 \quad 825 \\ \quad 4 \\ \hline 48 \quad 425 \\ \quad 384 \\ \hline 41 \end{array}$$

$$\begin{array}{r} 28 \\ \hline 2 \quad 784 \\ \quad 4 \\ \hline 48 \quad 384 \\ \quad 384 \\ \hline 0 \end{array}$$