

Partitioning into Minimum Number of Deci-Binary Numbers

Brute Force

$n = "82734"$

$i=0$

$$\begin{array}{r} 82734 \\ - 11111 \\ \hline 71623 \end{array}$$

$i=1$

$$\begin{array}{r} 71623 \\ - 11111 \\ \hline 60512 \end{array}$$

$i=2$

$$\begin{array}{r} 60512 \\ - 10111 \\ \hline 50401 \end{array}$$

$i=3$

$$\begin{array}{r} 50401 \\ - 10101 \\ \hline 40300 \end{array}$$

$i=4$

$$\begin{array}{r} 40300 \\ - 10100 \\ \hline 30200 \end{array}$$

$i=5$

$$\begin{array}{r} 30200 \\ - 10100 \\ \hline 20100 \end{array}$$

$i=6$

$$\begin{array}{r} 20100 \\ - 10100 \\ \hline 10000 \end{array}$$

$i=7$

$$\begin{array}{r} 10000 \\ - 10000 \\ \hline 00000 \end{array}$$