Given: $S = \{s_0, s_1, S_2, S_3... S_{n-1}\}, k$

T which is the solution for this set.

According to the question:

$$S' = \{s_0, s_1, ..., s_{n-2}\}$$

$$k' = k - S_{n-1}$$

is T - $\{S_{n-1}\}$ is also the solution for Set S'

Answer: Yes.

Because: $T_0 + T_2 + T_3 + ... + T_n = k$, where $T_n = S_{n-1}$ If S_{n-1} is a member of T.

:
$$k - T_n = T_0 + T_2 + T_{n-1}$$

: $k' = T - \{S_{n-1}\} =>$ the statement is true always.

For example, $S = \{4, 5, 10, 12\}$;

$$k = 22;$$

$$T = \{10, 12\};$$

Now, $S' = \{4, 5, 10\};$

$$K' = K - 12 = 10$$

$$T' = T - \{12\} = \{10\}$$

Here K' is the sum of T' subset.