

Name: _____

Date: _____

bt1Bk_-_ans 1-step backtracking: Answers

(1)

$$\begin{array}{ccc}
 & \xrightarrow{-2} & \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 12 \\ \hline \end{array} & & \begin{array}{|c|} \hline x - 2 \\ \hline = \\ \hline 10 \\ \hline \end{array} \\
 & \xleftarrow{+2} &
 \end{array}$$

(6)

$$\begin{array}{ccc}
 & \xrightarrow{-3} & \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 8 \\ \hline \end{array} & & \begin{array}{|c|} \hline x - 3 \\ \hline = \\ \hline 5 \\ \hline \end{array} \\
 & \xleftarrow{+3} &
 \end{array}$$

(2)

$$\begin{array}{ccc}
 & \xrightarrow{-4} & \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 10 \\ \hline \end{array} & & \begin{array}{|c|} \hline x - 4 \\ \hline = \\ \hline 6 \\ \hline \end{array} \\
 & \xleftarrow{+4} &
 \end{array}$$

(7)

$$\begin{array}{ccc}
 & \xrightarrow{-3} & \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 10 \\ \hline \end{array} & & \begin{array}{|c|} \hline x - 3 \\ \hline = \\ \hline 7 \\ \hline \end{array} \\
 & \xleftarrow{+3} &
 \end{array}$$

(3)

$$\begin{array}{ccc}
 & \xrightarrow{-4} & \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 12 \\ \hline \end{array} & & \begin{array}{|c|} \hline x - 4 \\ \hline = \\ \hline 8 \\ \hline \end{array} \\
 & \xleftarrow{+4} &
 \end{array}$$

(8)

$$\begin{array}{ccc}
 & \xrightarrow{-10} & \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 19 \\ \hline \end{array} & & \begin{array}{|c|} \hline x - 10 \\ \hline = \\ \hline 9 \\ \hline \end{array} \\
 & \xleftarrow{+10} &
 \end{array}$$

(4)

$$\begin{array}{ccc}
 & \xrightarrow{-7} & \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 14 \\ \hline \end{array} & & \begin{array}{|c|} \hline x - 7 \\ \hline = \\ \hline 7 \\ \hline \end{array} \\
 & \xleftarrow{+7} &
 \end{array}$$

(9)

$$\begin{array}{ccc}
 & \xrightarrow{-8} & \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 16 \\ \hline \end{array} & & \begin{array}{|c|} \hline x - 8 \\ \hline = \\ \hline 8 \\ \hline \end{array} \\
 & \xleftarrow{+8} &
 \end{array}$$

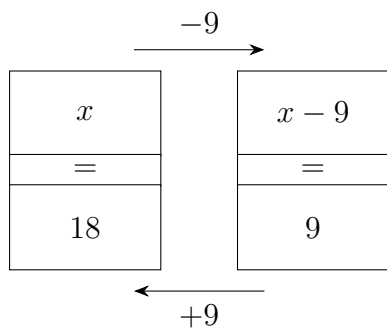
(5)

$$\begin{array}{ccc}
 & \xrightarrow{-10} & \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 19 \\ \hline \end{array} & & \begin{array}{|c|} \hline x - 10 \\ \hline = \\ \hline 9 \\ \hline \end{array} \\
 & \xleftarrow{+10} &
 \end{array}$$

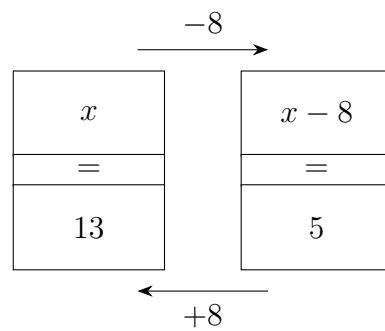
(10)

$$\begin{array}{ccc}
 & \xrightarrow{-10} & \\
 \begin{array}{|c|} \hline x \\ \hline = \\ \hline 12 \\ \hline \end{array} & & \begin{array}{|c|} \hline x - 10 \\ \hline = \\ \hline 2 \\ \hline \end{array} \\
 & \xleftarrow{+10} &
 \end{array}$$

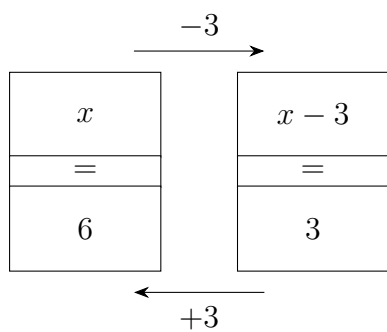
(11)



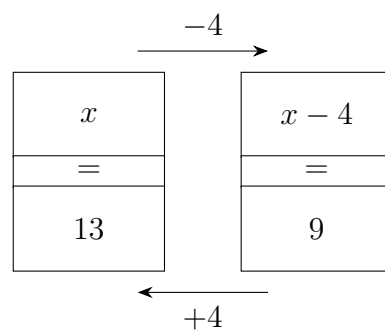
(16)



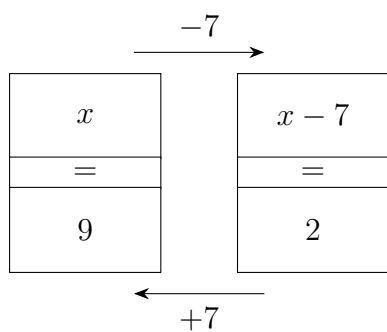
(12)



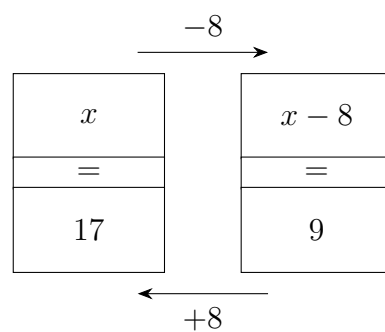
(17)



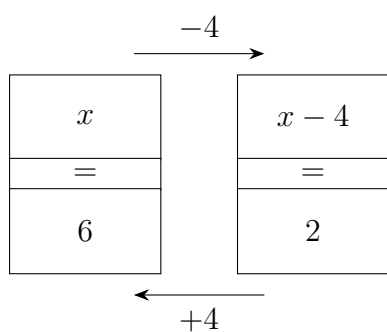
(13)



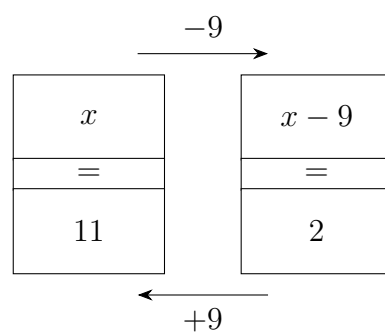
(18)



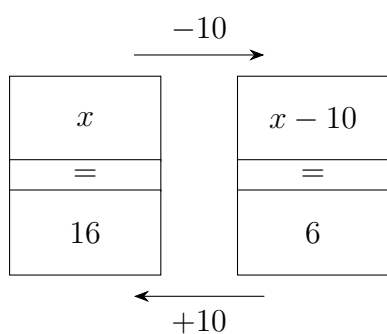
(14)



(19)



(15)



(20)

