| ●0000000<br>●0000000<br>●0000000<br>●0000000  | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | 000000<br>000000<br>000000<br>000000<br>000000  | 0000000<br>0000000<br>0000000<br>00000000  |  |   | 0000000<br>0000000<br>0000000<br>00000000   | 000000<br>000000<br>000000<br>000000   |
|---|--|---|--|--|---|---|--|
| $\begin{array}{c} \bigcirc \bigcirc$   | $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ | $\bigcirc \bigcirc $                 | $\bigcirc \bigcirc $                        | $\bigcirc$ | $\begin{array}{c} \bigcirc \bigcirc$ | $\begin{array}{cccc} \bigcirc $               | $ \begin{array}{ccccc} \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \\ \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \\ \end{array} $ $ \begin{array}{ccccccc} \text{Column ID} = 7 $  |
| Pattern ID = $7$  | Pattern ID = $7$   | Pattern ID = $7$  | Pattern ID = $7$   | Pattern ID = $7$   | Pattern ID = $7$  | Pattern ID = $7$  | Pattern ID = $7$   |
|   | 0000000<br>••000000<br>0000000   |   | 0000000<br>0000000<br>0000000  |  | 0000000<br>0000000<br>0000000   |   | 0000000<br>000000<br>0000000   |
| 0000000<br>0000000  | <pre> ••000000 ••000000 </pre>   | 0000000   | 0000000  | 0000000  |   | 0000000   | 0000000  |
| $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ $Column ID = 0$ $Pattern ID = 6$   | Column ID = 1 Pattern ID = $6$   | Column ID = 2 Pattern ID = $6$  | $ \begin{array}{c} \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \end{aligned} $ $ \begin{array}{c} \text{Column ID} = 3 \\ \text{Pattern ID} = 6 \end{aligned} $ | $\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc \bullet \bullet \bigcirc\bigcirc$ $\text{Column ID} = 4$ $\text{Pattern ID} = 6$   | $ \begin{array}{c} \text{Column ID} = 5 \\ \text{Pattern ID} = 6 \end{array} $  | Column ID = 6 Pattern ID = 6  | $\bigcirc$ |
| 00000000  | 0000000  |   |  | 0000000  | 0000000   |   |  |
| ●○●○○○○<br>●○●○○○○○<br>○○○○○○○○   |  | 0000000   | 0000000  |  |   | 0000000   | 0000000<br>000000<br>00000   |
| 0000000<br>000000<br>000000   | 0000000  | 0000000   | 0000000  |  |   | 0000000   | 0000000<br>0000000<br>0000000  |
| Column ID = $0$<br>Pattern ID = $5$   | Column ID = $1$<br>Pattern ID = $5$  | Column ID = $2$<br>Pattern ID = $5$   | Column ID $= 3$<br>Pattern ID $= 5$  | Column ID = $4$<br>Pattern ID = $5$  | Column ID = $5$<br>Pattern ID = $5$   | Column ID = $6$<br>Pattern ID = $5$   | Column ID = $7$<br>Pattern ID = $5$  |
| 0000000<br>0000000<br>0000000   | 0000000  | 0000000<br>••••0000<br>0000000  |  | 0000000  |   | 0000000   |  |
|   | 0000000  |   |  |  | 0000000<br>0000000<br>0000000   |   |  |
| 0000000   |  | 0000000   | 0000000  |  |   | 0000000   | 0000000  |
| Column ID = $0$<br>Pattern ID = $4$   | Column ID = $1$<br>Pattern ID = $4$  | Column ID = $2$<br>Pattern ID = $4$   | Column ID = $3$<br>Pattern ID = $4$  | Column ID = $4$<br>Pattern ID = $4$  | Column ID $= 5$<br>Pattern ID $= 4$   | Column ID $= 6$<br>Pattern ID $= 4$   | Column ID = $7$<br>Pattern ID = $4$  |
| 0000000<br>0000000<br>0000000   | 0000000<br>0000000<br>0000000  | 0000000   | 0000000<br>0000000<br>0000000  | ●○○○●○○○<br>●○○○●○○○   |   |   |  |
| 0000000<br>●000●000<br>●000●000   |  |   | 0000000<br>0000000<br>0000000  | ●000●000<br>0000000<br>0000000   | 0000000<br>0000000  | 0000000   | 000 <b>0</b> 000 <b>0</b> 00000000000000000000000000   |
|   |  |   |  | 0000000<br>0000000   | 0000000<br>0000000  | 0000000<br>0000000  | 0000000<br>0000000   |
| Column ID = $0$<br>Pattern ID = $3$   | Column ID = $1$<br>Pattern ID = $3$  | Column ID = $2$<br>Pattern ID = $3$   | Column ID = $3$<br>Pattern ID = $3$  | Column ID = $4$<br>Pattern ID = $3$  | Column ID = $5$<br>Pattern ID = $3$   | Column ID = $6$<br>Pattern ID = $3$   | Column ID = $7$<br>Pattern ID = $3$  |
| 0000000<br>0000000<br>0000000   | 00000000   | 0000000   | 0000000  |  |   |   |  |
| 0000000<br>0000000<br>••00••00  |  | 0000000   | 0000000  | 0000000<br>0000000   | 0000000   |   | 00000000   |
| $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ $\bigcirc \bigcirc \bigcirc$ | $\bigcirc \bigcirc $  | $\begin{array}{c} \bigcirc \bigcirc$ | $\bigcirc \bigcirc $                        | $\begin{array}{c} \bigcirc \bigcirc$  | $\begin{array}{c} \bigcirc \bigcirc$ | $\begin{array}{c} \bigcirc \bigcirc$ | $ \begin{array}{cccc} \bigcirc $ $ \begin{array}{ccccc} \text{Column ID} = 7 \end{array} $                                       |
| Pattern $ID = 2$  | Pattern ID = 2   | Pattern ID = 2  | Pattern ID = 2   | Pattern $ID = 2$   | Pattern $ID = 2$  | Pattern $ID = 2$  | Pattern $ID = 2$   |
| 0000000<br>0000000<br>0000000   | 00000000   | 0000000   | 00000000   | 0000000  | 0000000   |   |  |
| 0000000<br>0000000<br>0000000   |  |   |  | 0000000<br>0000000<br>0000000  |   | 0000000<br>0000000<br>0000000   | 0000000<br>0000000<br>0000000  |
| Column ID = $0$   | Column ID = 1  | Column ID = $2$   | Column ID = 3  | $\begin{array}{c} \text{Column ID} = 4 \end{array}$  | Column ID = 5   | Column ID = $6$   | Column ID = $7$  |
| Pattern ID = 1  | Pattern $ID = 1$   | Pattern ID = 1  | Pattern ID = 1   | Pattern $ID = 1$   | Pattern ID = 1  | Pattern ID = 1  | Pattern ID = 1   |
| 0000000<br>0000000<br>0000000   | 00000000   | 00000000  | 00000000   | 0000000  |   |   |  |
| 0000000<br>0000000<br>0000000   |  |   |  |  | 0000000<br>0000000<br>0000000   | 0000000<br>0000000<br>0000000   | 0000000<br>0000000<br>0000000  |
| Column ID = $0$   | Column ID = 1  | Column ID = $2$   | Column ID = $3$  | $\bigcirc$ | $\begin{array}{c c} \hline \hline$                                     | $\begin{array}{c} \bigcirc \bigcirc$ | Column ID = $7$  |