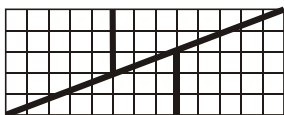


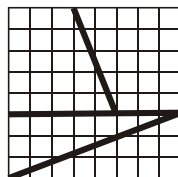
## Question

Who can switch a square sized 8 x 8 out of the left hand jigsaw puzzle?

## Answer



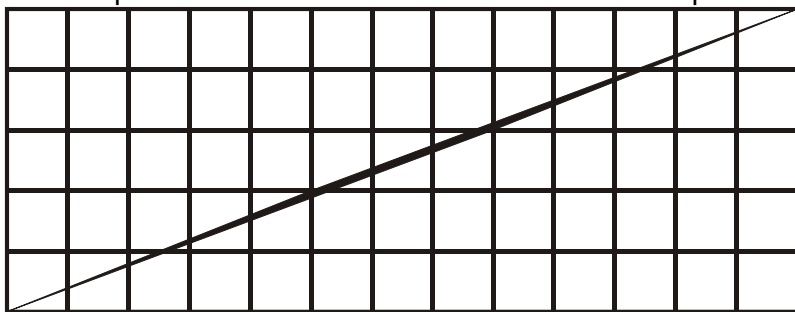
The four pieces from the left figure can be switched to the right figure sized 8 x 8 as depicted.



## **On closer inspection**

The left figure has  $5 \times 13 = 65$  squares, the right figure has  $8 \times 8 = 64$  squares. Where remained the missing square?

If the left figure is cut this way, that all parts fit exactly in the right figure, a peaked strip (see bottom figure) remains along the diagonal line. This strip has exactly the area of one square which represent the difference between 65 and 64 squares.



## **Deception**

The borderlines of the four pieces in the top left figure have deliberately been drawn too broad to cover the fact that the diagonal line does not exactly hit the corners of the squares.