

2007 Q11

11. Tiles I, II, III and IV are translated so one tile coincides with each of the rectangles A , B , C and D . In the final arrangement, the two numbers on any side common to two adjacent tiles must be the same. Which of the tiles is translated to Rectangle C ?

I	II												
<table style="border-collapse: collapse; margin: auto;"> <tr><td style="padding: 0 5px;">3</td><td style="padding: 0 5px;">8</td><td style="padding: 0 5px;">9</td></tr> <tr><td style="padding: 0 5px;">7</td><td style="padding: 0 5px;"></td><td style="padding: 0 5px;"></td></tr> </table>	3	8	9	7			<table style="border-collapse: collapse; margin: auto;"> <tr><td style="padding: 0 5px;">4</td><td style="padding: 0 5px;">6</td><td style="padding: 0 5px;">3</td></tr> <tr><td style="padding: 0 5px;"></td><td style="padding: 0 5px;">2</td><td style="padding: 0 5px;"></td></tr> </table>	4	6	3		2	
3	8	9											
7													
4	6	3											
	2												
III	IV												
<table style="border-collapse: collapse; margin: auto;"> <tr><td style="padding: 0 5px;">1</td><td style="padding: 0 5px;">7</td><td style="padding: 0 5px;">5</td></tr> <tr><td style="padding: 0 5px;"></td><td style="padding: 0 5px;">0</td><td style="padding: 0 5px;"></td></tr> </table>	1	7	5		0		<table style="border-collapse: collapse; margin: auto;"> <tr><td style="padding: 0 5px;">9</td><td style="padding: 0 5px;">2</td><td style="padding: 0 5px;">1</td></tr> <tr><td style="padding: 0 5px;"></td><td style="padding: 0 5px;">6</td><td style="padding: 0 5px;"></td></tr> </table>	9	2	1		6	
1	7	5											
	0												
9	2	1											
	6												

A	B
C	D

- (A) I (B) II (C) III (D) IV
 (E) cannot be determined