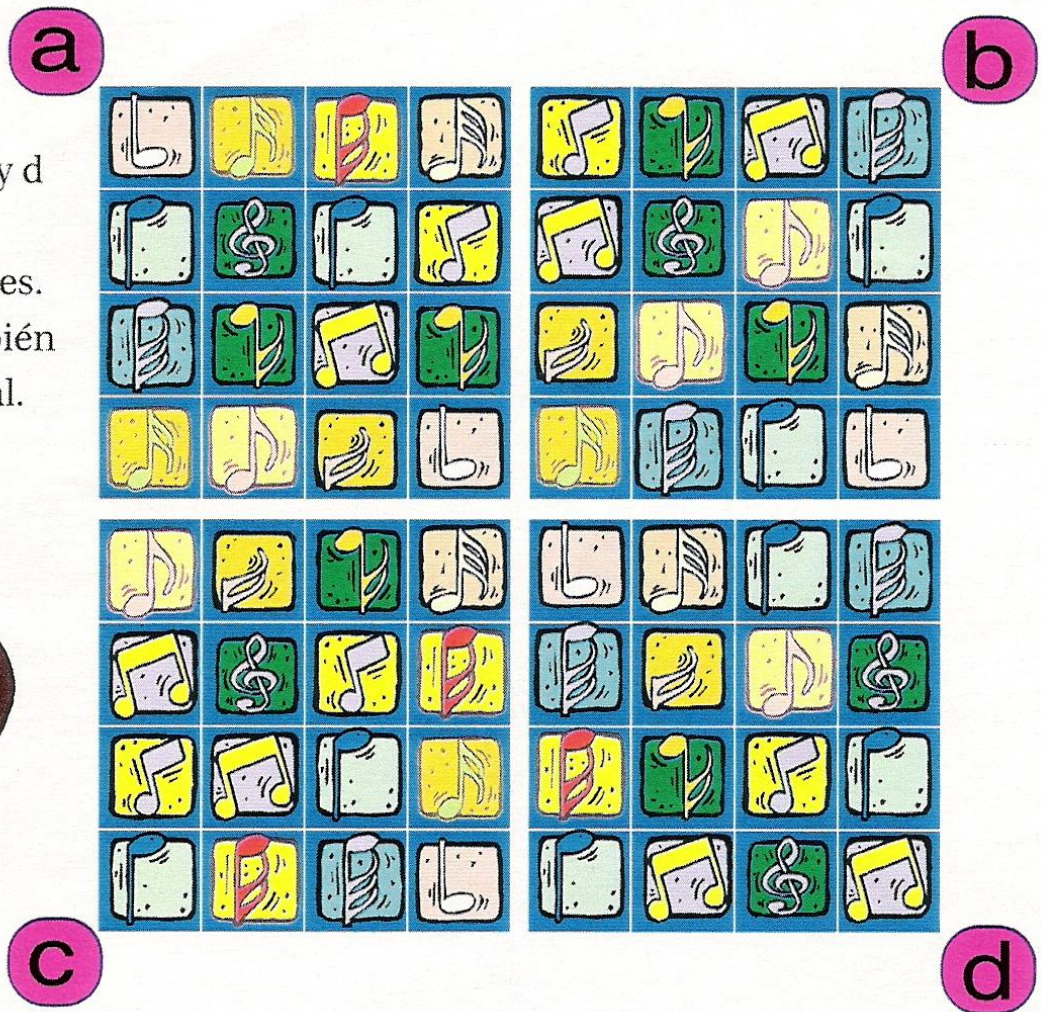


# PROBLEMAS MANIPULATIVOS

## 1. Sinfonía en Q mayor

Gira cuantas veces sea necesario los paneles a, b, c y d sin desplazarlos, de forma que coincidan todas las notas de los lados enfrentados de paneles diferentes.



En cada giro los cuadraditos de las notas también rotan, quedando siempre en posición vertical.




Revista QUO, junio de 2000






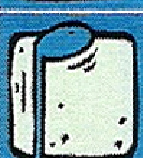


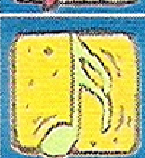







**a** 


**1**

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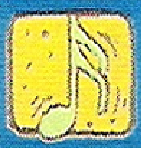





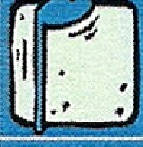

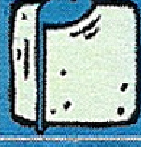



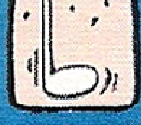
**a** 

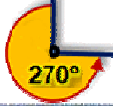
**2**

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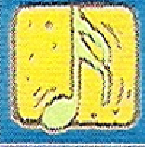

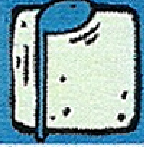
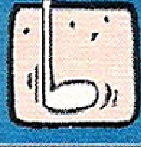



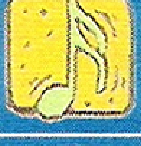

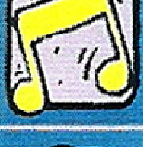
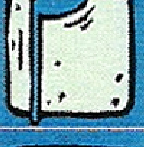





**a** 

**3**

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**a** 

**4**

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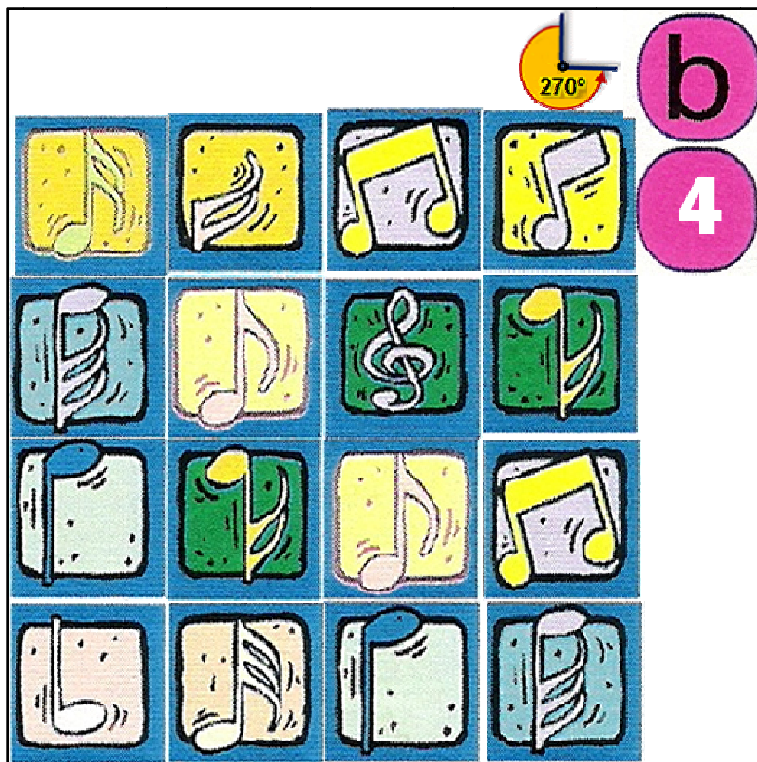
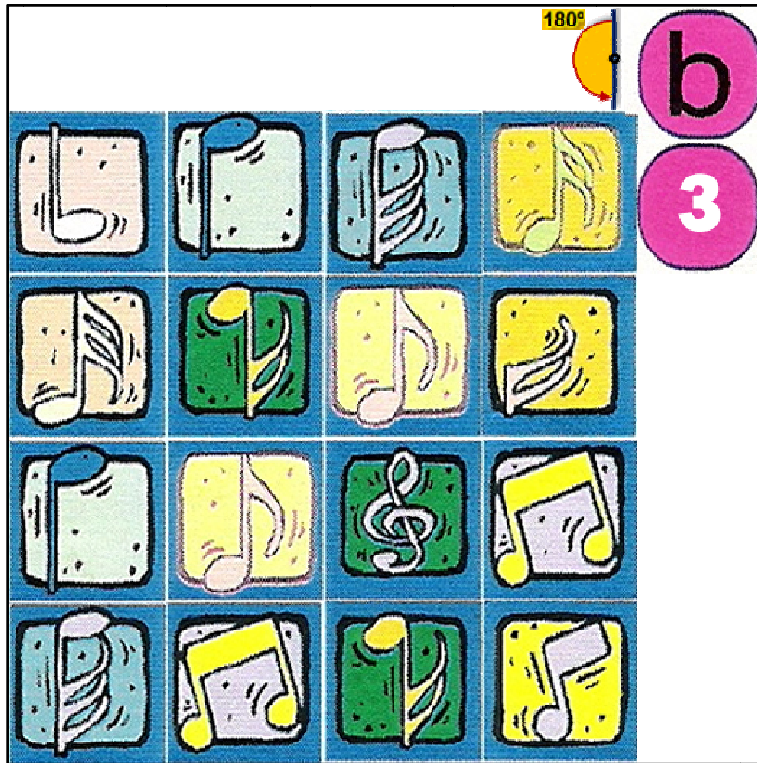
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**b**  
**1**

90°

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**b**  
**2**



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|          |  |  |  |  |
|          |  |  |  |  |
| <b>1</b> |  |  |  |  |
| <b>C</b> |  |  |  |  |

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|          |  |  |  |  |
|          |  |  |  |  |
|          |  |  |  |  |
| <b>2</b> |  |  |  |  |
| <b>C</b> |  |  |  |  |

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|          |  |  |  |  |
|          |  |  |  |  |
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| <b>3</b> |  |  |  |  |
| <b>C</b> |  |  |  |  |

|          |  |  |  |  |
|----------|--|--|--|--|
|          |  |  |  |  |
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| <b>4</b> |  |  |  |  |
| <b>C</b> |  |  |  |  |

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0°

1

d








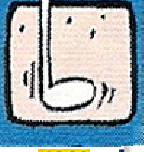
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90°

2

d



|   |   |   |  |
|---|---|---|--|
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|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

180°

3

d

|   |   |   |  |
|---|---|---|--|
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|  |  |  |  |
|  |  |  |  |

270°

4

d