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|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| () | (1,3)(2,4) | (1,2)(3,4) | (1,4)(2,3) | (2,3,4) | (1,4,3) | (1,3,2) | (1,2,4) | (2,4,3) | (1,2,3) | (1,4,2) | (1,3,4) | (3,4) | (1,4,2,3) | (1,2) | (1,3,2,4) | (2,4) | (1,3) | (1,4,3,2) | (1,2,3,4) | (2,3) | (1,2,4,3) | (1,3,4,2) | (1,4) |
| (1,3)(2,4) | () | (1,4)(2,3) | (1,2)(3,4) | (1,4,3) | (2,3,4) | (1,2,4) | (1,3,2) | (1,2,3) | (2,4,3) | (1,3,4) | (1,4,2) | (1,4,2,3) | (3,4) | (1,3,2,4) | (1,2) | (1,3) | (2,4) | (1,2,3,4) | (1,4,3,2) | (1,2,4,3) | (2,3) | (1,4) | (1,3,4,2) |
| (1,2)(3,4) | (1,4)(2,3) | () | (1,3)(2,4) | (1,3,2) | (1,2,4) | (2,3,4) | (1,4,3) | (1,4,2) | (1,3,4) | (2,4,3) | (1,2,3) | (1,2) | (1,3,2,4) | (3,4) | (1,4,2,3) | (1,4,3,2) | (1,2,3,4) | (2,4) | (1,3) | (1,3,4,2) | (1,4) | (2,3) | (1,2,4,3) |
| (1,4)(2,3) | (1,2)(3,4) | (1,3)(2,4) | () | (1,2,4) | (1,3,2) | (1,4,3) | (2,3,4) | (1,3,4) | (1,4,2) | (1,2,3) | (2,4,3) | (1,3,2,4) | (1,2) | (1,4,2,3) | (3,4) | (1,2,3,4) | (1,4,3,2) | (1,3) | (2,4) | (1,4) | (1,3,4,2) | (1,2,4,3) | (2,3) |
| (2,3,4) | (1,3,2) | (1,2,4) | (1,4,3) | (2,4,3) | (1,4,2) | (1,3,4) | (1,2,3) | () | (1,2)(3,4) | (1,4)(2,3) | (1,3)(2,4) | (2,4) | (1,4,3,2) | (1,2,3,4) | (1,3) | (2,3) | (1,3,4,2) | (1,4) | (1,2,4,3) | (3,4) | (1,2) | (1,3,2,4) | (1,4,2,3) |
| (1,4,3) | (1,2,4) | (1,3,2) | (2,3,4) | (1,2,3) | (1,3,4) | (1,4,2) | (2,4,3) | (1,3)(2,4) | (1,4)(2,3) | (1,2)(3,4) | () | (1,3) | (1,2,3,4) | (1,4,3,2) | (2,4) | (1,2,4,3) | (1,4) | (1,3,4,2) | (2,3) | (1,4,2,3) | (1,3,2,4) | (1,2) | (3,4) |
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| (1,2,4) | (1,4,3) | (2,3,4) | (1,3,2) | (1,3,4) | (1,2,3) | (2,4,3) | (1,4,2) | (1,4)(2,3) | (1,3)(2,4) | () | (1,2)(3,4) | (1,2,3,4) | (1,3) | (2,4) | (1,4,3,2) | (1,4) | (1,2,4,3) | (2,3) | (1,3,4,2) | (1,3,2,4) | (1,4,2,3) | (3,4) | (1,2) |
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| (1,2,3) | (1,4,2) | (2,4,3) | (1,3,4) | (1,3)(2,4) | (1,2)(3,4) | () | (1,4)(2,3) | (1,4,3) | (1,3,2) | (2,3,4) | (1,2,4) | (1,2,4,3) | (1,3,4,2) | (2,3) | (1,4) | (1,4,2,3) | (1,2) | (3,4) | (1,3,2,4) | (1,3) | (1,4,3,2) | (2,4) | (1,2,3,4) |
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| (1,2,4,3) | (1,4) | (2,3) | (1,3,4,2) | (1,3) | (1,2,3,4) | (2,4) | (1,4,3,2) | (1,4,2,3) | (1,3,2,4) | (3,4) | (1,2) | (1,2,3) | (1,3,4) | (2,4,3) | (1,4,2) | (1,4,3) | (1,2,4) | (2,3,4) | (1,3,2) | (1,3)(2,4) | (1,4)(2,3) | () | (1,2)(3,4) |
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| (1,4) | (1,2,4,3) | (1,3,4,2) | (2,3) | (1,2,3,4) | (1,3) | (1,4,3,2) | (2,4) | (1,3,2,4) | (1,4,2,3) | (1,2) | (3,4) | (1,3,4) | (1,2,3) | (1,4,2) | (2,4,3) | (1,2,4) | (1,4,3) | (1,3,2) | (2,3,4) | (1,4)(2,3) | (1,3)(2,4) | (1,2)(3,4) | () |

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| () | (1,3)(2,4) | (1,2)(3,4) | (1,4)(2,3) | (2,3,4) | (1,4,3) | (1,3,2) | (1,2,4) | (2,4,3) | (1,2,3) | (1,4,2) | (1,3,4) | (3,4) | (1,4,2,3) | (1,2) | (1,3,2,4) | (2,4) | (1,3) | (1,4,3,2) | (1,2,3,4) | (2,3) | (1,2,4,3) | (1,3,4,2) | (1,4) |
| (1,3)(2,4) | () | (1,4)(2,3) | (1,2)(3,4) | (1,4,3) | (2,3,4) | (1,2,4) | (1,3,2) | (1,2,3) | (2,4,3) | (1,3,4) | (1,4,2) | (1,4,2,3) | (3,4) | (1,3,2,4) | (1,2) | (1,3) | (2,4) | (1,2,3,4) | (1,4,3,2) | (1,2,4,3) | (2,3) | (1,4) | (1,3,4,2) |
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| (1,4)(2,3) | (1,2)(3,4) | (1,3)(2,4) | () | (1,2,4) | (1,3,2) | (1,4,3) | (2,3,4) | (1,3,4) | (1,4,2) | (1,2,3) | (2,4,3) | (1,3,2,4) | (1,2) | (1,4,2,3) | (3,4) | (1,2,3,4) | (1,4,3,2) | (1,3) | (2,4) | (1,4) | (1,3,4,2) | (1,2,4,3) | (2,3) |
| (2,3,4) | (1,3,2) | (1,2,4) | (1,4,3) | (2,4,3) | (1,4,2) | (1,3,4) | (1,2,3) | () | (1,2)(3,4) | (1,4)(2,3) | (1,3)(2,4) | (2,4) | (1,4,3,2) | (1,2,3,4) | (1,3) | (2,3) | (1,3,4,2) | (1,4) | (1,2,4,3) | (3,4) | (1,2) | (1,3,2,4) | (1,4,2,3) |
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| (2,4) | (1,3) | (1,2,3,4) | (1,4,3,2) | (3,4) | (1,4,2,3) | (1,3,2,4) | (1,2) | (2,3) | (1,2,4,3) | (1,4) | (1,3,4,2) | (2,3,4) | (1,4,3) | (1,2,4) | (1,3,2) | () | (1,3)(2,4) | (1,4)(2,3) | (1,2)(3,4) | (2,4,3) | (1,2,3) | (1,3,4) | (1,4,2) |
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| () | (1,3)(2,4) | (1,2)(3,4) | (1,4)(2,3) | (2,3,4) | (1,4,3) | (1,3,2) | (1,2,4) | (2,4,3) | (1,2,3) | (1,4,2) | (1,3,4) | (3,4) | (1,4,2,3) | (1,2) | (1,3,2,4) | (2,4) | (1,3) | (1,4,3,2) | (1,2,3,4) | (2,3) | (1,2,4,3) | (1,3,4,2) | (1,4) |
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| () | (1,3)(2,4) | (1,2)(3,4) | (1,4)(2,3) | (2,3,4) | (1,4,3) | (1,3,2) | (1,2,4) | (2,4,3) | (1,2,3) | (1,4,2) | (1,3,4) | (3,4) | (1,4,2,3) | (1,2) | (1,3,2,4) | (2,4) | (1,3) | (1,4,3,2) | (1,2,3,4) | (2,3) | (1,2,4,3) | (1,3,4,2) | (1,4) |
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| (1,3,2) | (2,3,4) | (1,4,3) | (1,2,4) | (1,4,2) | (2,4,3) | (1,2,3) | (1,3,4) | (1,2)(3,4) | () | (1,3)(2,4) | (1,4)(2,3) | (1,4,3,2) | (2,4) | (1,3) | (1,2,3,4) | (1,3,4,2) | (2,3) | (1,2,4,3) | (1,4) | (1,2) | (3,4) | (1,4,2,3) | (1,3,2,4) |
| (1,2,4) | (1,4,3) | (2,3,4) | (1,3,2) | (1,3,4) | (1,2,3) | (2,4,3) | (1,4,2) | (1,4)(2,3) | (1,3)(2,4) | () | (1,2)(3,4) | (1,2,3,4) | (1,3) | (2,4) | (1,4,3,2) | (1,4) | (1,2,4,3) | (2,3) | (1,3,4,2) | (1,3,2,4) | (1,4,2,3) | (3,4) | (1,2) |
| (2,4,3) | (1,3,4) | (1,2,3) | (1,4,2) | () | (1,4)(2,3) | (1,3)(2,4) | (1,2)(3,4) | (2,3,4) | (1,2,4) | (1,4,3) | (1,3,2) | (2,3) | (1,4) | (1,2,4,3) | (1,3,4,2) | (3,4) | (1,3,2,4) | (1,4,2,3) | (1,2) | (2,4) | (1,2,3,4) | (1,3) | (1,4,3,2) |
| (1,2,3) | (1,4,2) | (2,4,3) | (1,3,4) | (1,3)(2,4) | (1,2)(3,4) | () | (1,4)(2,3) | (1,4,3) | (1,3,2) | (2,3,4) | (1,2,4) | (1,2,4,3) | (1,3,4,2) | (2,3) | (1,4) | (1,4,2,3) | (1,2) | (3,4) | (1,3,2,4) | (1,3) | (1,4,3,2) | (2,4) | (1,2,3,4) |
| (1,4,2) | (1,2,3) | (1,3,4) | (2,4,3) | (1,2)(3,4) | (1,3)(2,4) | (1,4)(2,3) | () | (1,3,2) | (1,4,3) | (1,2,4) | (2,3,4) | (1,3,4,2) | (1,2,4,3) | (1,4) | (2,3) | (1,2) | (1,4,2,3) | (1,3,2,4) | (3,4) | (1,4,3,2) | (1,3) | (1,2,3,4) | (2,4) |
| (1,3,4) | (2,4,3) | (1,4,2) | (1,2,3) | (1,4)(2,3) | () | (1,2)(3,4) | (1,3)(2,4) | (1,2,4) | (2,3,4) | (1,3,2) | (1,4,3) | (1,4) | (2,3) | (1,3,4,2) | (1,2,4,3) | (1,3,2,4) | (3,4) | (1,2) | (1,4,2,3) | (1,2,3,4) | (2,4) | (1,4,3,2) | (1,3) |
| (3,4) | (1,3,2,4) | (1,2) | (1,4,2,3) | (2,3) | (1,4) | (1,3,4,2) | (1,2,4,3) | (2,4) | (1,2,3,4) | (1,4,3,2) | (1,3) | () | (1,4)(2,3) | (1,2)(3,4) | (1,3)(2,4) | (2,4,3) | (1,3,4) | (1,4,2) | (1,2,3) | (2,3,4) | (1,2,4) | (1,3,2) | (1,4,3) |
| (1,4,2,3) | (1,2) | (1,3,2,4) | (3,4) | (1,2,4,3) | (1,3,4,2) | (1,4) | (2,3) | (1,3) | (1,4,3,2) | (1,2,3,4) | (2,4) | (1,3)(2,4) | (1,2)(3,4) | (1,4)(2,3) | () | (1,2,3) | (1,4,2) | (1,3,4) | (2,4,3) | (1,4,3) | (1,3,2) | (1,2,4) | (2,3,4) |
| (1,2) | (1,4,2,3) | (3,4) | (1,3,2,4) | (1,3,4,2) | (1,2,4,3) | (2,3) | (1,4) | (1,4,3,2) | (1,3) | (2,4) | (1,2,3,4) | (1,2)(3,4) | (1,3)(2,4) | () | (1,4)(2,3) | (1,4,2) | (1,2,3) | (2,4,3) | (1,3,4) | (1,3,2) | (1,4,3) | (2,3,4) | (1,2,4) |
| (1,3,2,4) | (3,4) | (1,4,2,3) | (1,2) | (1,4) | (2,3) | (1,2,4,3) | (1,3,4,2) | (1,2,3,4) | (2,4) | (1,3) | (1,4,3,2) | (1,4)(2,3) | () | (1,3)(2,4) | (1,2)(3,4) | (1,3,4) | (2,4,3) | (1,2,3) | (1,4,2) | (1,2,4) | (2,3,4) | (1,4,3) | (1,3,2) |
| (2,4) | (1,3) | (1,2,3,4) | (1,4,3,2) | (3,4) | (1,4,2,3) | (1,3,2,4) | (1,2) | (2,3) | (1,2,4,3) | (1,4) | (1,3,4,2) | (2,3,4) | (1,4,3) | (1,2,4) | (1,3,2) | () | (1,3)(2,4) | (1,4)(2,3) | (1,2)(3,4) | (2,4,3) | (1,2,3) | (1,3,4) | (1,4,2) |
| (1,3) | (2,4) | (1,4,3,2) | (1,2,3,4) | (1,4,2,3) | (3,4) | (1,2) | (1,3,2,4) | (1,2,4,3) | (2,3) | (1,3,4,2) | (1,4) | (1,4,3) | (2,3,4) | (1,3,2) | (1,2,4) | (1,3)(2,4) | () | (1,2)(3,4) | (1,4)(2,3) | (1,2,3) | (2,4,3) | (1,4,2) | (1,3,4) |
| (1,4,3,2) | (1,2,3,4) | (1,3) | (2,4) | (1,2) | (1,3,2,4) | (1,4,2,3) | (3,4) | (1,3,4,2) | (1,4) | (1,2,4,3) | (2,3) | (1,3,2) | (1,2,4) | (1,4,3) | (2,3,4) | (1,2)(3,4) | (1,4)(2,3) | (1,3)(2,4) | () | (1,4,2) | (1,3,4) | (1,2,3) | (2,4,3) |
| (1,2,3,4) | (1,4,3,2) | (2,4) | (1,3) | (1,3,2,4) | (1,2) | (3,4) | (1,4,2,3) | (1,4) | (1,3,4,2) | (2,3) | (1,2,4,3) | (1,2,4) | (1,3,2) | (2,3,4) | (1,4,3) | (1,4)(2,3) | (1,2)(3,4) | () | (1,3)(2,4) | (1,3,4) | (1,4,2) | (2,4,3) | (1,2,3) |
| (2,3) | (1,3,4,2) | (1,2,4,3) | (1,4) | (2,4) | (1,4,3,2) | (1,3) | (1,2,3,4) | (3,4) | (1,2) | (1,4,2,3) | (1,3,2,4) | (2,4,3) | (1,4,2) | (1,2,3) | (1,3,4) | (2,3,4) | (1,3,2) | (1,4,3) | (1,2,4) | () | (1,2)(3,4) | (1,3)(2,4) | (1,4)(2,3) |
| (1,2,4,3) | (1,4) | (2,3) | (1,3,4,2) | (1,3) | (1,2,3,4) | (2,4) | (1,4,3,2) | (1,4,2,3) | (1,3,2,4) | (3,4) | (1,2) | (1,2,3) | (1,3,4) | (2,4,3) | (1,4,2) | (1,4,3) | (1,2,4) | (2,3,4) | (1,3,2) | (1,3)(2,4) | (1,4)(2,3) | () | (1,2)(3,4) |
| (1,3,4,2) | (2,3) | (1,4) | (1,2,4,3) | (1,4,3,2) | (2,4) | (1,2,3,4) | (1,3) | (1,2) | (3,4) | (1,3,2,4) | (1,4,2,3) | (1,4,2) | (2,4,3) | (1,3,4) | (1,2,3) | (1,3,2) | (2,3,4) | (1,2,4) | (1,4,3) | (1,2)(3,4) | () | (1,4)(2,3) | (1,3)(2,4) |
| (1,4) | (1,2,4,3) | (1,3,4,2) | (2,3) | (1,2,3,4) | (1,3) | (1,4,3,2) | (2,4) | (1,3,2,4) | (1,4,2,3) | (1,2) | (3,4) | (1,3,4) | (1,2,3) | (1,4,2) | (2,4,3) | (1,2,4) | (1,4,3) | (1,3,2) | (2,3,4) | (1,4)(2,3) | (1,3)(2,4) | (1,2)(3,4) | () |