## IOI'94 ÊÖÎÌ

$$\label{eq:control_problem} \begin{split} &||\hat{O}\pounds|\pounds.\pounds\pounds\pounds\pounds\hat{E}\hat{E}\mu3|3\tilde{O}\acute{A}\ddot{O}\acute{O}9|\hat{E}\ddot{O}\pounds\hat{I}\tilde{A}\mu\ddot{A}\pm\hat{E}D\times\hat{E}\ddot{O}\ddot{O}\hat{O}\pounds\hat{E}\ddot{E}\dot{O}\hat{E}\ddot{O}\mu\ddot{O}\tilde{O}\|\ddot{O}DD\times\hat{E}\ddot{O}\ddot{O}\mu...\acute{O} 9 \\ &||\hat{O}\pounds\hat{A}\ddot{O}\ddot{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}O|\hat{O}$$

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