



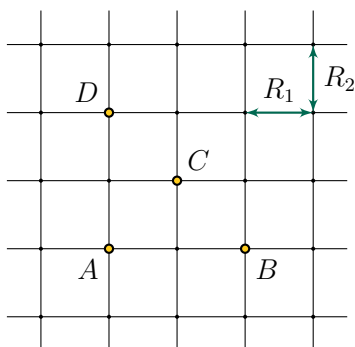
# LPR Cup

10.s01.e01



## Infinite grid

In an infinite grid, each horizontal resistor is  $R_1$ , each vertical resistor is  $R_2$ . Between  $A$  and  $B$  the resistance is  $R_{AB}$ . Between  $A$  and  $D$  the resistance is  $R_{AD}$ .



What is the resistance between  $A$  and  $C$ ?

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First hint — 27.04.2020 14:00 (Moscow time)

Second hint — 29.04.2020 14:00 (Moscow time)

Final of the first round – 01.05.2020 (Moscow time)