



# LPR Cup

10.s01.e01

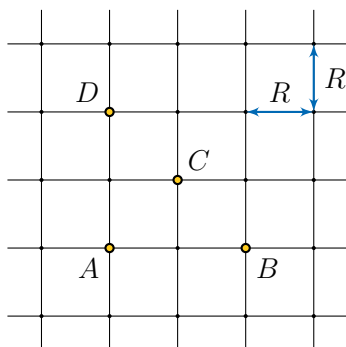
Hint 1



## Hint 1

First try to solve the problem for the case  $R_1 = R_2$ :

In an infinite square grid, the resistance of each resistor is  $R$ . Note that in this case, the resistance  $R'$  measured between the points  $A$  and  $B$  is equal to the resistance measured between the points  $A$  and  $D$ .



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