



# LPR Cup

11.s01.e04

Hint 1



## Hint 1

Reading lessons at the LPR Cup and for the first time in our history answers to questions that were answered «no comment».

Note that there are two angles in the assignment condition. One angle is for the load coordinate is  $\varphi$ , the other angle is for the moment of forces is  $\alpha$ .

**IMPORTANT!** The angle  $\alpha$  is the *minimum* in absolute value angle between the vertical position of the bar (which is shown in the figure) and the bar itself. Note the word *minimal*.

**IMPORTANT 2! (Two factorial!)** The condition says that the angle  $\varphi$  can be any. And yes, this means that it can be more than  $\pi/2$  (answering the most popular question).