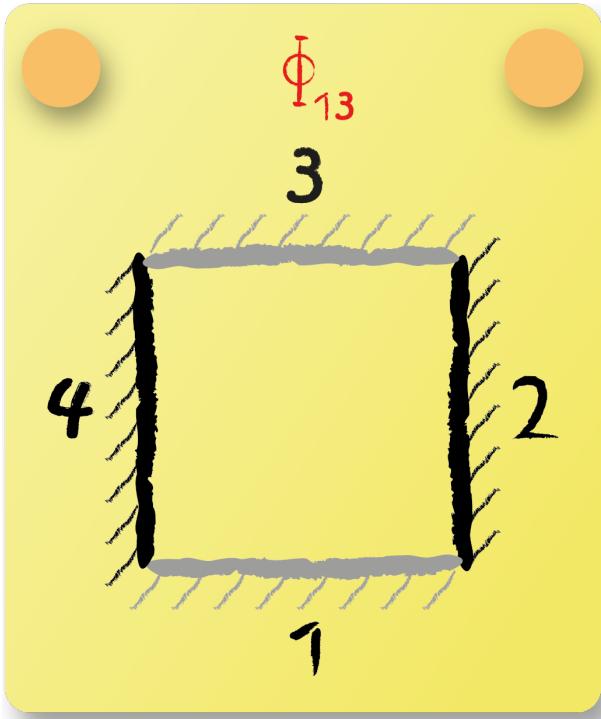


## View Factor: Task 18



The image shows a square body.  
What is  $\phi_{13}$ ?

1



$$\phi_{13} = \sqrt{2} - 1$$

2



As we know diagonal line (the length that divided the square from edges is multiples of  $\sqrt{2}$ ) and length 1 are equal, we can say that  $\phi_{14}$  and  $\phi_{1,2}$  are the same value (from symmetry  $1 - 1/\sqrt{2}$ ). Enclosure rule can be implemented for  $\phi_{1,1} + \phi_{1,2} + \phi_{1,3} + \phi_{1,4} = 1$ .