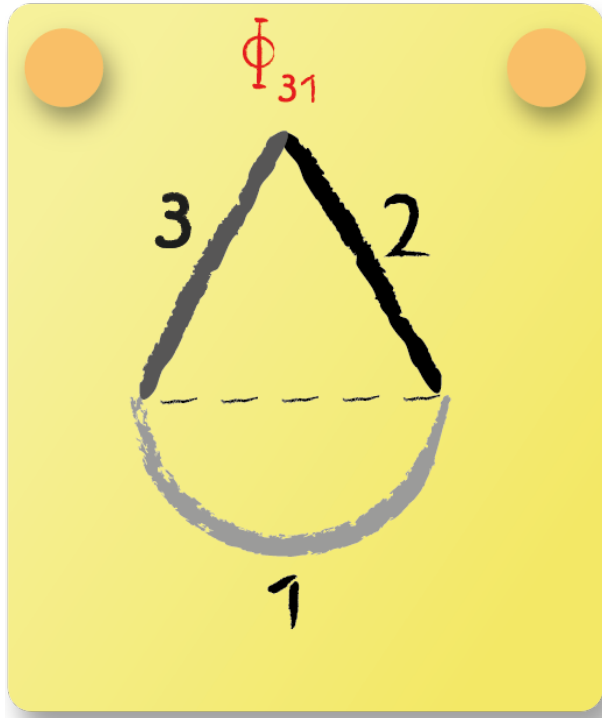


View Factor: Task 22



The image shows a combination of a triangular and a hemisphere body. What is ϕ_{31} ?

1



$$\phi_{31} = 1/2$$

2



As we know the triangle is equilateral, $\phi_{3,2}$ and $\phi_{3,4}$ are $1/2$ from symmetry so the enclosure rule is valid for $\phi_{3,1} + \phi_{3,2} + \phi_{3,3} = 1$.