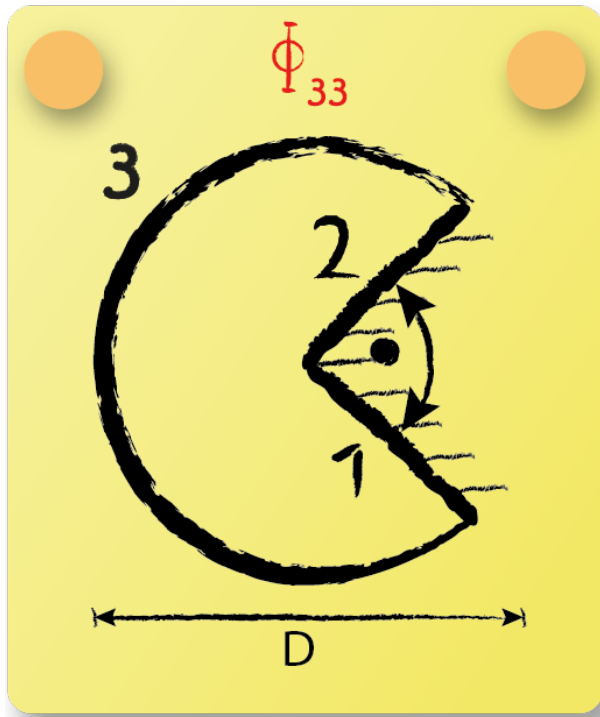# View Factor: Task 29

The image shows a three-quarter circular body. Angle is 90°. What is ϕ_{33}?

1

$\phi_{33} = 1 - 1/3 * 4/\pi$

2

Due to symmetry $\phi_{3,1} = \phi_{3,2} = 2/(3\pi)$ and from enclosure $\phi_{3,1} + \phi_{3,2} + \phi_{3,3} = 1$.