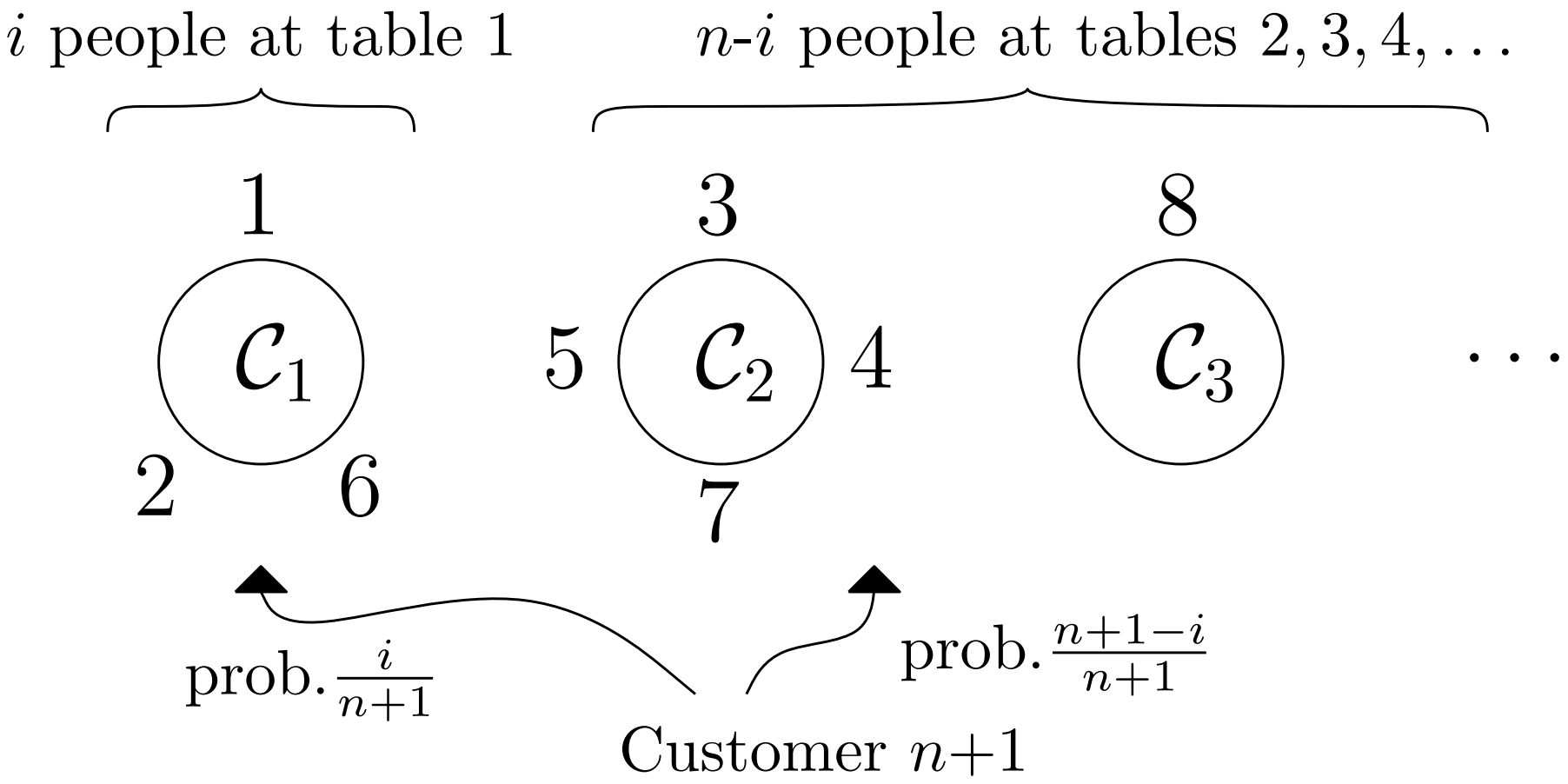
i people at table 1
n-i people at tables $2, 3, 4, \ldots$
1
2
6
$\mathcal{C}_1$
3
5
$\mathcal{C}_2$
4
7
8
$\mathcal{C}_3$
$\ldots$
prob. $\frac{i}{n+1}$
prob. $\frac{n+1-i}{n+1}$
Customer n+1