

$$\begin{aligned}
 & \text{Student}[Calculus1][IntTutor]\left(\frac{1}{\sin(x)}, x=-1..1\right); \\
 & \int_{-1}^1 \frac{1}{\sin(x)} dx \\
 & = \int_{-1}^1 \csc(x) dx \quad \left[rewrite, \frac{1}{\sin(x)} = \csc(x)\right] \\
 & = \int_{-1}^0 \csc(x) dx + \int_0^1 \csc(x) dx \quad [split, 0] \\
 & \int_{-1}^1 \frac{1}{\sin(x)} dx = \int_{-1}^0 \csc(x) dx + \int_0^1 \csc(x) dx \quad (1)
 \end{aligned}$$

$$\begin{aligned}
 & \text{Student}[Calculus1][IntTutor](\csc(x), x=-1..0); \\
 & \int_{-1}^0 \csc(x) dx \\
 & = \int_1^0 \csc(u) du \quad [change, u = -x] \\
 & = -\left(\int_0^1 \csc(u) du\right) \quad [flip] \\
 & \int_{-1}^0 \csc(x) dx = -\left(\int_0^1 \csc(u) du\right) \quad (2)
 \end{aligned}$$

$$\begin{aligned}
 & -\int_0^1 \csc(u) du + \int_0^1 \csc(x) dx \\
 & \quad \text{undefined} \quad (3)
 \end{aligned}$$