$$
\begin{aligned}
f(x) &= \sqrt{x+1}\ I[-1;2] \\
V &= \pi \times \int_b^a (f(x))^2 dx \\
&= \pi \times \int_{-1}^{2} (\sqrt{(x+1)})^2 dx \\
&= \pi \times \int_{-1}^{2} (x+1) dx \\
&= \pi \times [\frac{1}{2} \times x + x]_{-1}^{2} \\
&= \pi \times (\frac{1}{2} \times 2 + 2 - (\frac{1}{2} \times (-1) - 1)) \\
&= \pi \times (3 - (-\frac{3}{2})) \\
&= \pi \times (3 + \frac{3}{2}) \\
&= \pi \times (\frac{9}{2}) \\
&\approx 14.\text{`}14
\end{aligned}
\tag{1}
$$