EXERCISE:

$$
4(\underset{\uparrow}{1}-\underbrace{1}_{i=1}-\frac{1}{3}+\frac{1}{5}-\underbrace{-\frac{1}{7}}_{i=3}+\underset{i=4}{\substack{9}}+\frac{1}{i=5}-\cdots)
$$

Formula: $\sum_{i=1}^{\text {big }}(-1)^{i-1} \frac{1}{2 i-1}$
Code:

$$
\begin{aligned}
& \text { sum }=0 \\
& D_{0}[\operatorname{sum}+=4(-1) \wedge(i-1) /(2 i-1),\{i, 1,10000\}] \\
& N[\text { sum }]
\end{aligned}
$$

output: 3.14....
Why does the result look like $\pi$ ?

