```
e^{ix} = i\cos x + i\sin x
\Rightarrow e^{i\frac{\pi}{2}} = \cos\frac{\pi}{2} + i\sin\frac{\pi}{2}
\Rightarrow e^{i\frac{\pi}{2}} = 0 + i \cdot 1
\Rightarrow e^{i\frac{\pi}{2}} = i
\Rightarrow (e^{i\frac{\pi}{2}})^i = i^i
\Rightarrow e^{i\frac{\pi}{2}} = i
\Rightarrow e^{i\frac{\pi}{2}} = i
\Rightarrow e^{i\frac{\pi}{2}} = i^i
\Rightarrow e^{i\frac{\pi}{2}} = i^i
\Rightarrow e^{-\frac{\pi}{2}} = i^i
```