

Pensieve header: Learning "ConditionalExpression".

```
{sol} = Solve[e^x == 2 i, x]
```

```
{ {x → ConditionalExpression[ $\frac{i \pi}{2} + 2 i \pi C[1] + \text{Log}[2]$ , C[1] ∈ Integers] } }
```

```
sol /. C[1] → 0
```

```
{x →  $\frac{i \pi}{2} + \text{Log}[2]$  }
```

```
sol /. C[1] → 0.5
```

```
{x → Undefined }
```