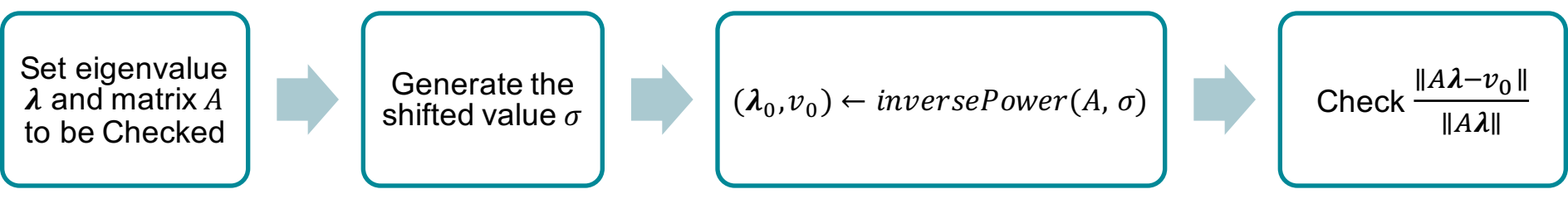


Set eigenvalue
 λ and matrix A
to be Checked



```
graph LR; A[Set eigenvalue λ and matrix A to be Checked] --> B[Generate the shifted value σ]; B --> C["(λ₀, v₀) ← inversePower(A, σ)"]; C --> D["Check ||Aλ - v₀|| / ||Aλ||"];
```

Generate the
shifted value σ

$(\lambda_0, v_0) \leftarrow \text{inversePower}(A, \sigma)$

Check $\frac{\|A\lambda - v_0\|}{\|A\lambda\|}$