In [2]:

```
import numpy as np
import skfuzzy as sk
import matplotlib.pyplot as plt

x = np.arange (-11, 11, 1)
vd_sigmoide = sk.sigmf(x, 0, 1)
plt.figure()
plt.plot(x, vd_sigmoide, 'b', linewidth=1.5, label='Servicio')

plt.title('Calidad del servicio en un restaurante')
plt.ylabel('Membresia')
plt.xlabel('Nivel de servicio')
plt.legend(loc='center right', bbox_to_anchor=(1, 0.8), ncol=1, fancybox=Tru
plt.show()
```