$$F(x) = e^{\cos(x)}$$

$$I = \int_0^{2\pi} F(x) dx$$

$$I \approx I_{N}^{\dagger} = h \left[\frac{f(x_{0}^{\dagger}) + f(x_{N}^{\dagger})}{2} + \underbrace{\xi}_{j=1}^{N-1} f(x_{j}^{\dagger}) \right]$$

$$h = \frac{2\pi}{N}$$

$$f(x_o^{\dagger}) = f(x_N^{\dagger}) \Rightarrow \frac{f(x_o^{\dagger}) + f(x_N^{\dagger})}{2} = \frac{f(x_N^{\dagger}) + f(x_N^{\dagger})}{2} = f(x_N^{\dagger})$$

$$I = \frac{2\pi}{N} \left[f(x_N^{\dagger}) + \sum_{j=1}^{N-1} F(x_j^{\dagger}) \right]$$

$$I_{N} = \frac{2\pi}{N} \left[\sum_{j=1}^{N} F(x_{j}^{+}) \right]$$