```
import cv2
import numpy as np
import matplotlib.pyplot as plt
from google.colab import files
uploaded = files.upload()
filename = next(iter(uploaded))
image = cv2.imread(filename, cv2.IMREAD_GRAYSCALE)
A = 1.5
high_boost_kernel = np.array([
    [-1, -1, -1],
    [-1, A + 8, -1],
    [-1, -1, -1]
], dtype=np.float32)
sharpened = cv2.filter2D(image, -1, high_boost_kernel)
plt.figure(figsize=(10, 5))
plt.subplot(1, 2, 1)
plt.imshow(image, cmap='gray')
plt.title("Original Image")
plt.axis('off')
plt.subplot(1, 2, 2)
plt.imshow(sharpened, cmap='gray')
plt.title(f"High-Boost Sharpened (A={A})")
plt.axis('off')
plt.tight_layout()
plt.show()
Choose Files i15.PNG
```

 i15.PNG(image/png) - 273421 bytes, last modified: 5/7/2025 - 100% done Saving i15.PNG to i15.PNG







