$image_compression$

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```
[2]: import numpy as np
import matplotlib.pyplot as plt
from PIL import Image
```

1 import image

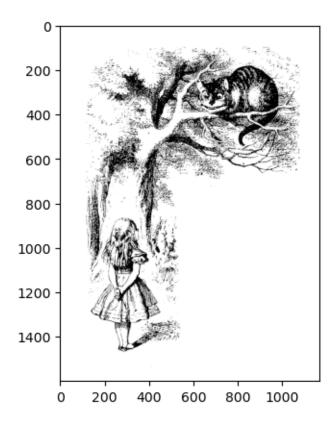
```
[3]: gif_path = "p5_image.gif"
  image = Image.open(gif_path) #

  image_array = np.array(image)
  print(image_array.shape)

  plt.imshow(image_array, cmap='gray')

(1600, 1170)
```

[3]: <matplotlib.image.AxesImage at 0x1c8fa60c8c0>



2 perform SVD for image compression

[4]: <matplotlib.image.AxesImage at 0x1c8fbae55b0>

