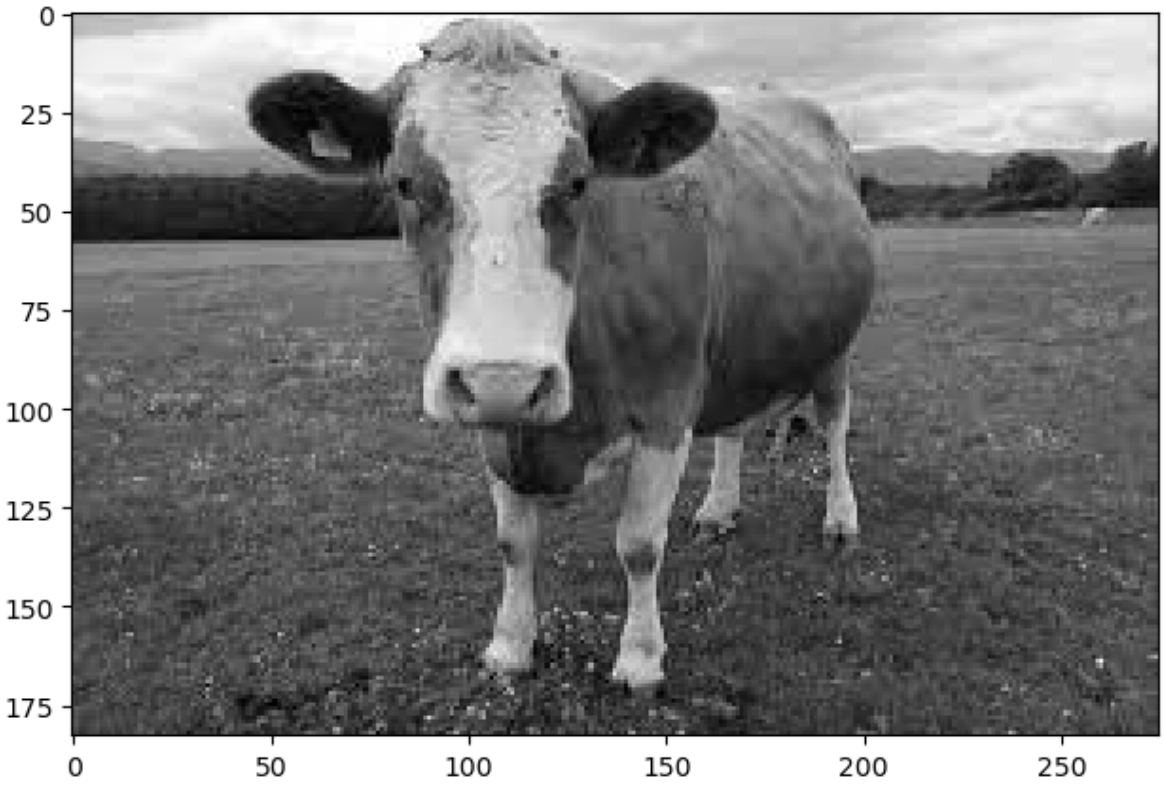
In [8]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
from skimage.io import imread, imshow

image = imread('b.png', as_gray=True)
imshow(image)
```

Out[8]:
```
<matplotlib.image.AxesImage at 0x183d6940880>
```



In [9]:
```
#checking image shape
image.shape, image
```

Out[9]:
```
((183, 275),
 array([[0.74479451, 0.74479451, 0.74087294, ..., 0.90800431, 0.90800431,
         0.90800431],
        [0.7330298 , 0.7330298 , 0.7330298 , ..., 0.90800431, 0.90800431,
         0.90800431],
        [0.7307749 , 0.7307749 , 0.7307749 , ..., 0.90800431, 0.90800431,
         0.90800431],
        ...,
        [0.33185451, 0.34222039, 0.25903412, ..., 0.26798627, 0.26798627,
         0.27190784],
        [0.29263882, 0.30300471, 0.22374   , ..., 0.27975098, 0.28759412,
         0.29935882],
        [0.25734471, 0.27163216, 0.20021059, ..., 0.24837843, 0.26014314,
         0.27975098]]))
```

In [11]:
```
features = np.reshape(image, (183*275))

features.shape, features
```

Out[11]:
```
((50325,),
 array([0.74479451, 0.74479451, 0.74087294, ..., 0.24837843, 0.26014314,
        0.27975098]))
```

In [ ]:
```

```