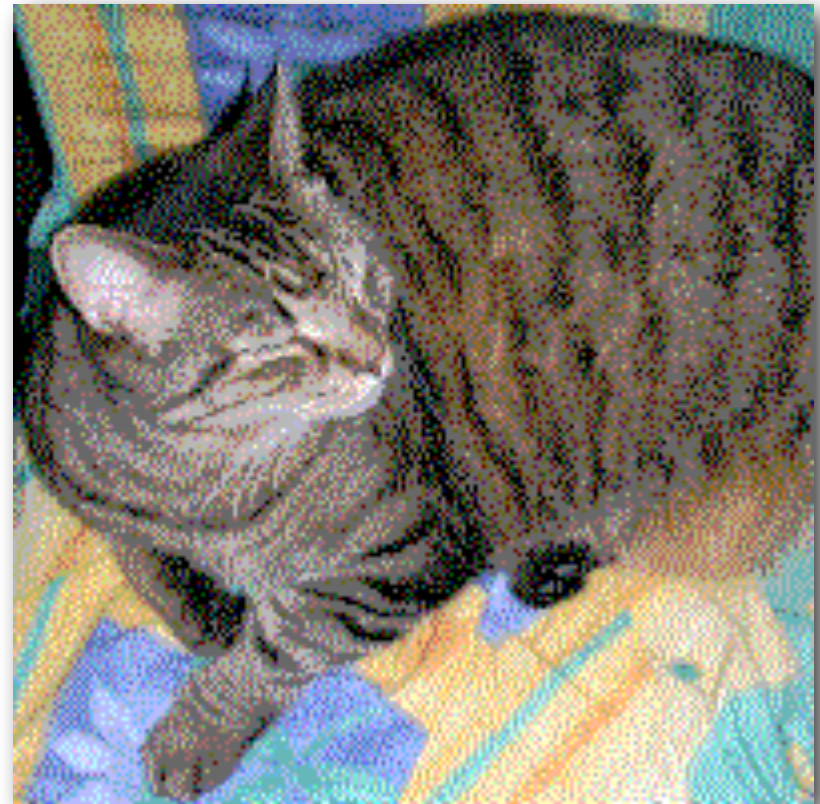
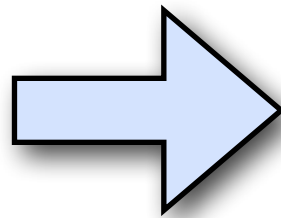


# DAM Homework (3)

2019-10-15

# Image Watermarking

- Implement Stenography



1. removing all but the last 2 bits of  
each color component  
2. X 85

# Stenography

- Watermarking
  - Input
    - Ic: a color image
    - lw: a watermark image
      - i.e., binary image with watermark information
      - or low resolution color image
      - or you can try QR code image
  - Output
    - I'c: a watermarked image
- Detection:
  - Input
    - Ic: a watermarked color image
  - Output
    - lw: a watermark image
- two command lines

**bonus: a simple web based service**

# Constraints

- Use
  - Python Image Library or
  - OpenCV-Python Bindings
- Deadline:
  - 2019-10-29

# Bonus

- True watermarking:
  - slides 29
  - slides 31