## Program

Program = Data Structure + Algorithm

#### Data Structure

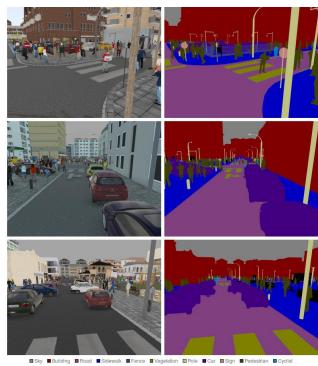
A data structure is a data organization, management and storage format that enables efficient access and modification. More precisely, a data structure is a collection of data values, the relationships among them, and the functions or operations that can be applied to the data.

### Algorithm

A process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer.

```
32
33
                     self.fingerprints.add(fp)
                          self.file.write(fp + os.linese)
                 def request_fingerprint(self, request_fingerprint(rec
```

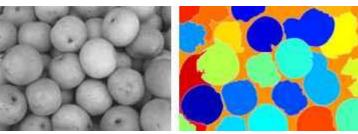
# Image segmentation

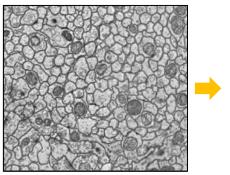


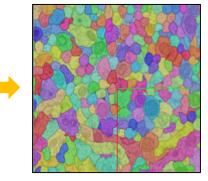


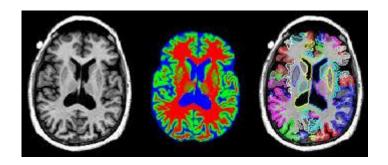






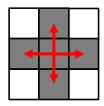






## HW

- ☐ Simple image segmentation:
  - > 4-connectivity:



■ HW: segment left image into 3 isolated islands and count their size.

