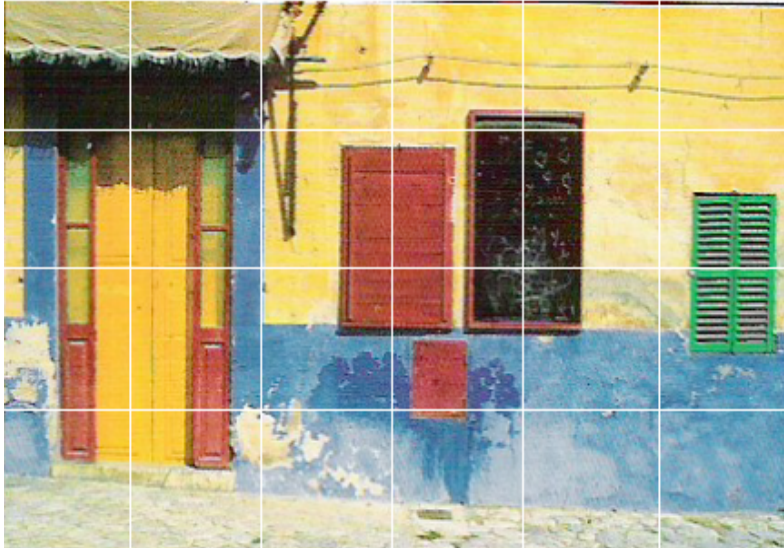


Exercise 5.1

PIXELLATE AN IMAGE

- 1 Form teams of 3 people (no more, no less). Each team must then:
- 2 Study this image, divided into 6x4 pixels:



- 3 In the *left-hand* array below, write in each pixel *0* or *1* according to whether the tone is nearer white (*0*) or black (*1*)
- 4 In the *right-hand* array below, with a marker, fill with black each pixel identified as *1*

- 5 In the array below, write in each pixel a 3-bit code (e.g. *001*) according to the colours shown in this look-up table:

- 000 white
- 001 blue
- 010 green
- 011 turquoise
- 100 red
- 101 violet
- 110 yellow
- 111 black