NumPy array manipulation

A grayscale image can be thought of as a rectangular matrix, with each element representing the intensity at the corresponding pixel.
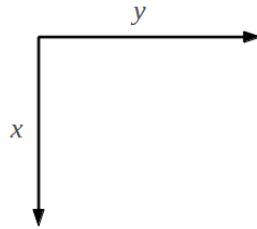

Figure 1: Co-ordinate axes for images loaded from matrices

Load `pup.txt` into Python as a NumPy array using the `numpy.loadtxt` function; this is a rectangular matrix that describes the below image:
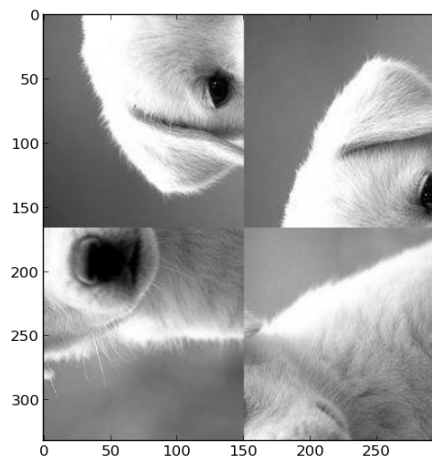

Figure 2: Your worst nightmare

Write a program that rearranges the pieces of this image. Looking at `pup.txt`, you will note that 0 and 1 represent 'black' and 'white' respectively, with all values in between corresponding to increasingly lighter shades of gray.