Q1

Text, letter

Description automatically generated

Text, letter

Description automatically generated

Q2

A picture containing shape

Description automatically generated

Arrow, histogram

Description automatically generated

1. Assume top left coordinate index to (0, 0), there are 2 cases we have to consider

First, if the value of dither matrix is greater than the value of pixels

Qr code

Description automatically generated

Second, if value of dither matrix is greater or equal than the value of pixels

Qr code

Description automatically generated

1. Assume top left coordinate index to (1, 1), there are 2 cases we have to consider

First, if the value of dither matrix is greater than the value of pixels

Qr code

Description automatically generated

Second, if value of dither matrix is greater or equal than the value of pixels

Qr code

Description automatically generated