Q1

[[0.98940603 0.01059397]

[0.49767752 0.50232248]

[0.00352704 0.99647296]

[0.09636926 0.90363074]]

Q2

The FCM has reach convergence.

Q3

[[6.77511899 3.05243091 5.64691443 2.05360851]

[5.00356137 3.40303567 1.48500156 0.25154107]

[5.88919979 2.76123495 4.36425513 1.39744655]]