Figure 1: Gaussian distribution with mean = 30, sigma = 8
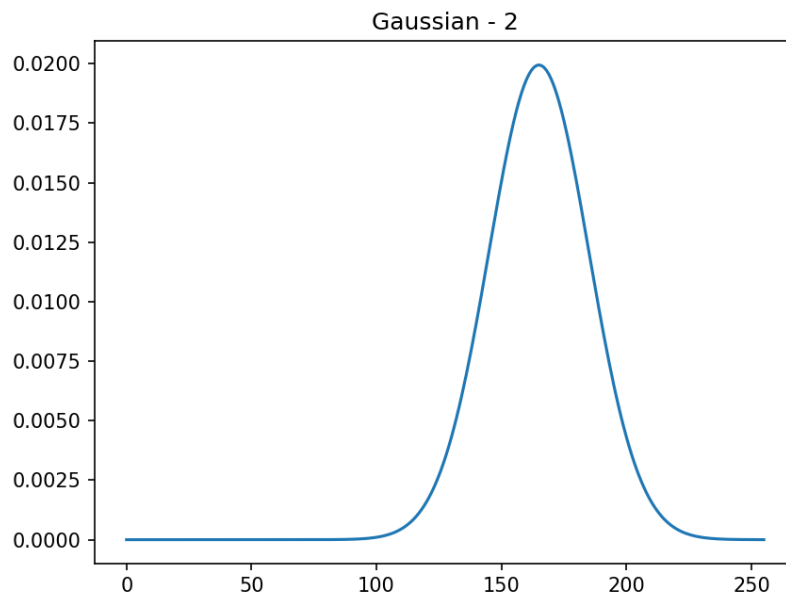

Figure 2: Gaussian distribution with mean = 150, sigma = 20
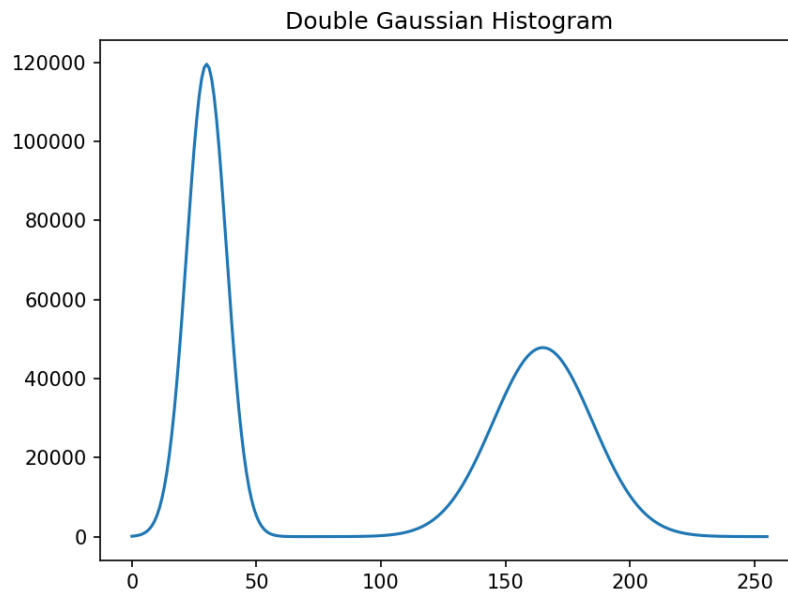

Figure 3: Merged Gaussian of 1 and 2

Figure 4: Input Image
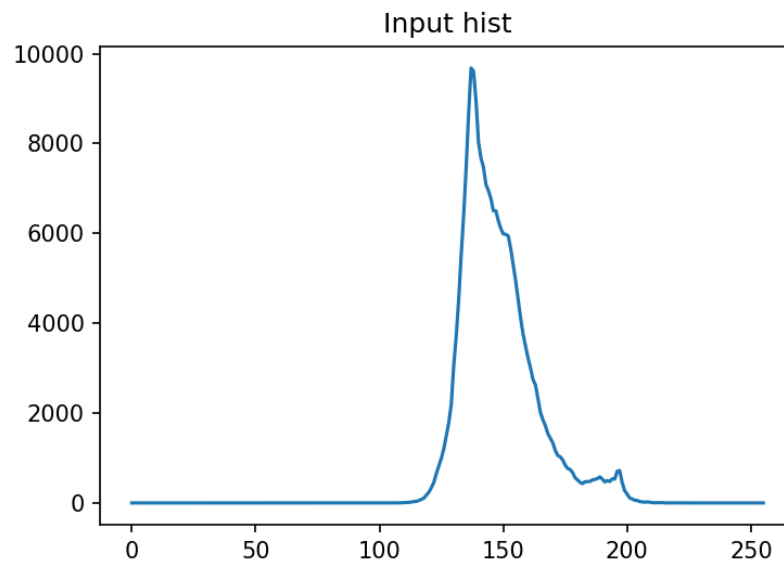

Figure 5: Output Image

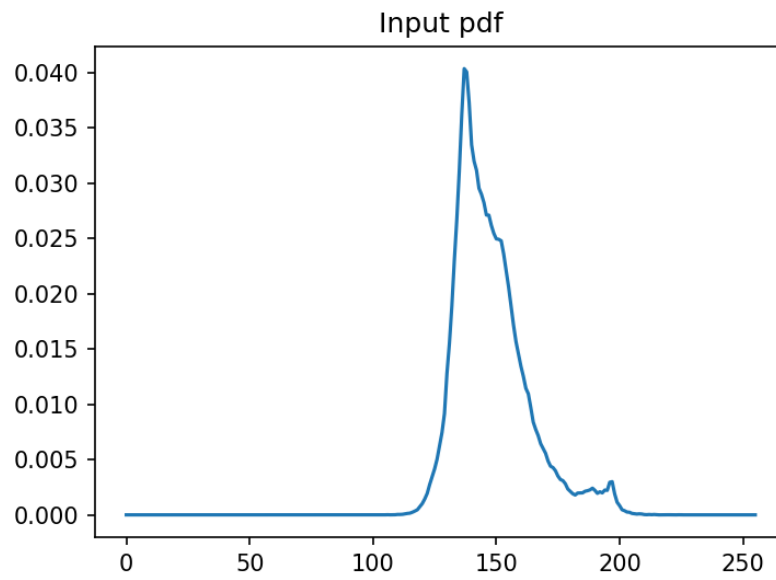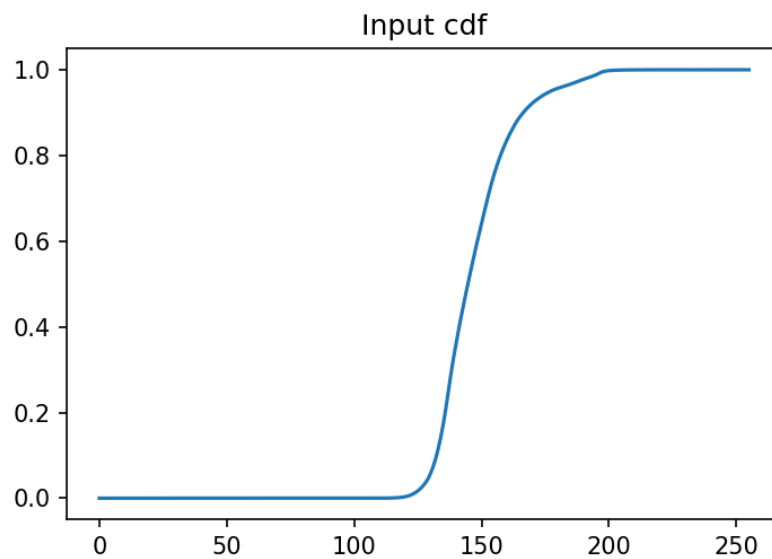Figure 6: Input histogram

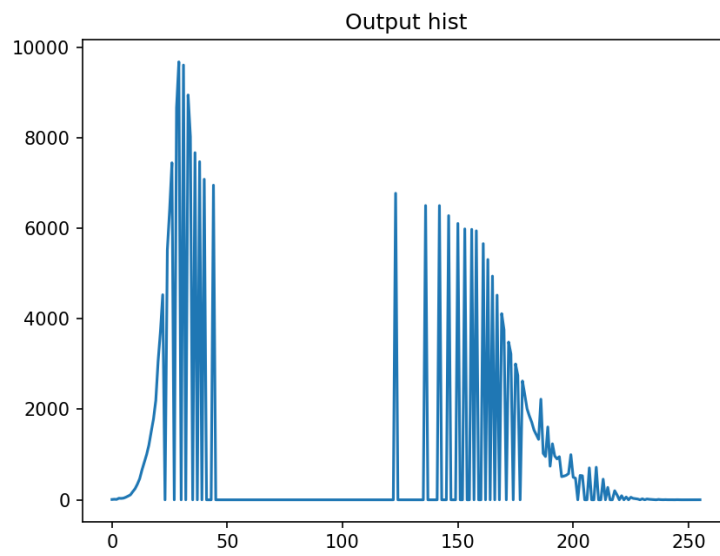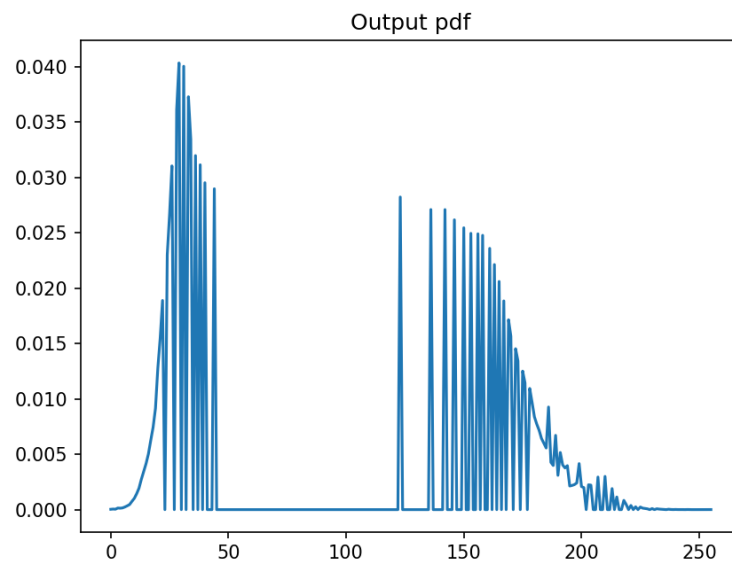Figure 7: Input PDF

Figure 8: Input CDF

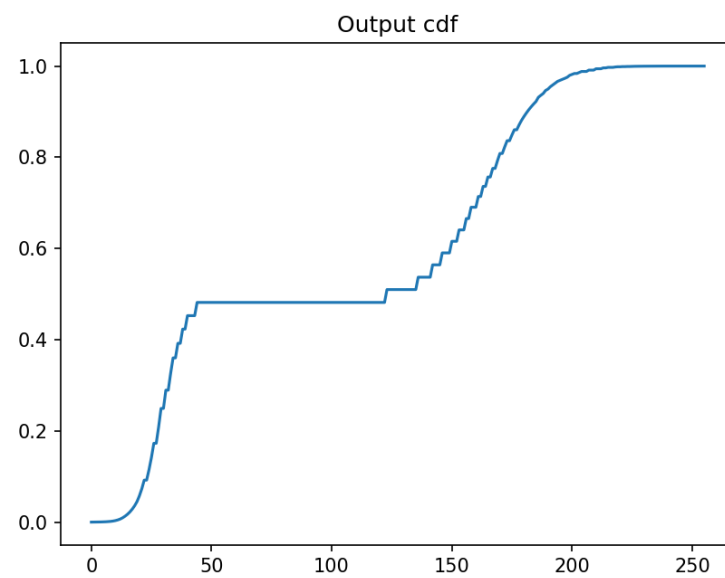Figure 9: Output histogram

Figure 10: Output PDF

Figure 11: Output CDF