Iterative Search:

For each sock in n socks, find the matching sock and remove the pair. Reiterate n-2 socks

Needs: c(n-1) + c(n-3) + c(n-5)….+1 approximately big O (n^2)

Efficient way:

Feature Partitioning:

1. Iterate through n socks and create individual piles based on color
2. Iterate through each pile and distribute them on pattern of the sock

Quick sort can be used to do this (to do….implement)