function sockMerchant(arr::AbstractArray{T}) where T<:Integer

count = 0

map = Dict{T,Int}()

for i in 1:length(arr)

value = arr[i]

if !haskey(map, value)

map[value]=1

else

map[value]+=1

end

end

for i in 1:length(arr)

value = arr[i]

if haskey(map,value) && map[value]>= 2

count+=1

map[value]-=2

continue

end

end

return count

end

arr = [10 20 20 10 10 20 50 10 ]

println("Total pairs ", sockMerchant(arr))