

s:SelfCheckoutSoftware

p:Map<Barcode, BarcodedProduct>

ba: ElectronicScale

scannedItems: Array<BarcodedItem>

placeItemInBaggingArea(barcode)

k =containsKey(barcode)

return

alt [k == true]

<<create>>

item:BarcodedItem

loop [i < s.scannedItems.size()]

alt [s.scannedItems.get(i).getBarcode().equals(barcode)]

item = s.scannedItems.get(i)

return

[else]

alt [item != null]

s.ba.add(item)

return

s.baItems.add(item)

true

[else]

false

[else]

false

