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//
// Pens.swift
// Arm
//
// Created by Erik Nordlund on 4/5/19.
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//
//
// Arm Controller includes the following open-source components:
        • swiftBluetoothSerial: https://github.com/hoiberg/SwiftBluetoothSerial
//
//
        • peertalk-simple: https://github.com/kirankunigiri/peertalk-simple
import Foundation
import UIKit
enum PenWidthUnits {
    case inches
    case millimeters
}
struct Pen {
    init(name: String, color: UIColor, dryTime: Double, widthMillimeters:
     Double) {
        self.name = name
        self.color = color
        self.dryTime = dryTime
        self.widthInches = widthMillimeters / 254
        self.widthMillimeters = widthMillimeters
        widthUnitPreference = PenWidthUnits.millimeters
    }
    init(name: String, color: UIColor, dryTime: Double, widthInches: Double) {
        self.name = name
        self.color = color
        self.dryTime = dryTime
        self.widthInches = widthInches
        self.widthMillimeters = widthInches * 254
        widthUnitPreference = PenWidthUnits.inches
    }
    func isEqual(to: Pen) -> Bool {
        if self.widthInches == to.widthInches {
            if self.widthMillimeters == to.widthMillimeters {
                if self.color == to.color {
                    if self.dryTime == to.dryTime {
                        if self.name == to.name {
                            return true
                        }
                    }
                }
```

```
}
    return false
}

var widthInches: Double
var widthMillimeters: Double
var widthUnitPreference: PenWidthUnits
var color: UIColor
var dryTime: Double
var name: String
}
```