Eind OPlevering

OIT11 2018

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Contents

[Module 1.1 2](#_Toc510176500)

[Opdracht 4.2 2](#_Toc510176501)

[Opdracht 4.3 3](#_Toc510176502)

[Module 2.1 5](#_Toc510176503)

[Flow-Chart 5](#_Toc510176504)

[Code 5](#_Toc510176505)

[Module 3.1 8](#_Toc510176506)

[Code 8](#_Toc510176507)

[Module 3.2 – 3.5 9](#_Toc510176508)

[Flow-Chart 9](#_Toc510176509)

[Code: 10](#_Toc510176510)

[Variabelen en CheckPaused Method 10](#_Toc510176511)

[CalibrateValues Method 10](#_Toc510176512)

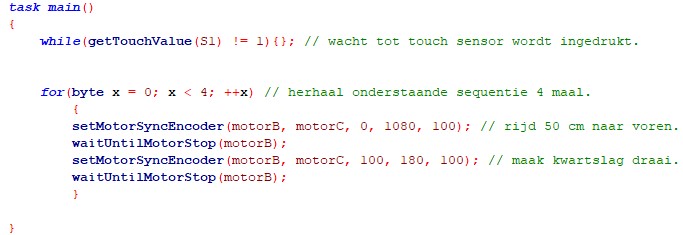
[PowerMotors + StopMotors Method 10](#_Toc510176513)

[Evade Method 11](#_Toc510176514)

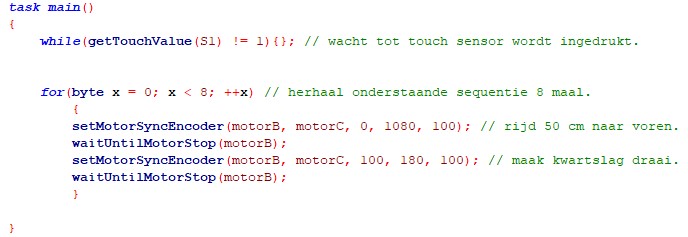
[Main Method 11](#_Toc510176515)

[Bronnen 12](#_Toc510176516)

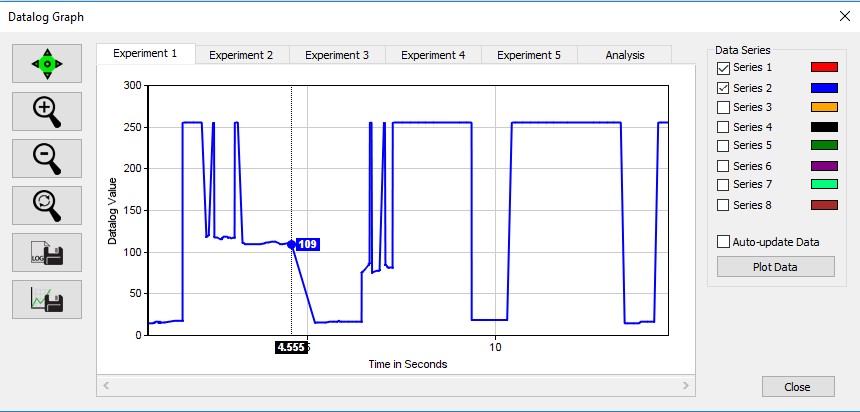
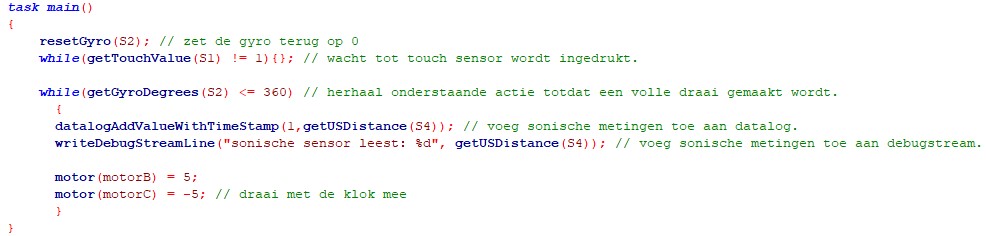
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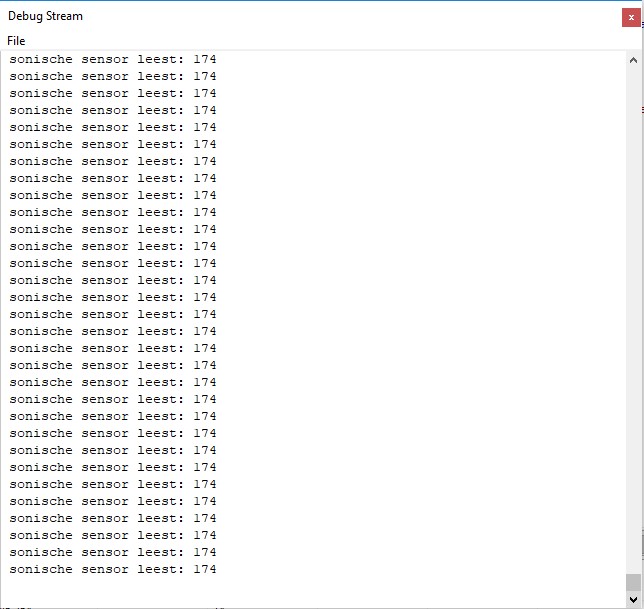


# Module 1.2



# Module 1.3

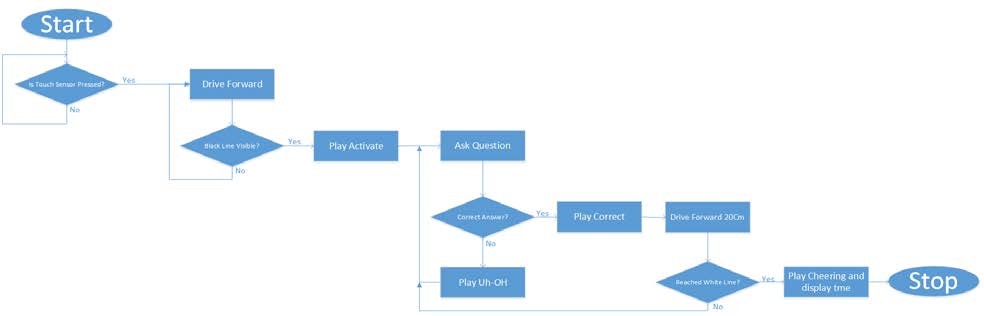




(Resultaten lijken op elkaar omdat de sensor 16.610 metingen heeft gemaakt)

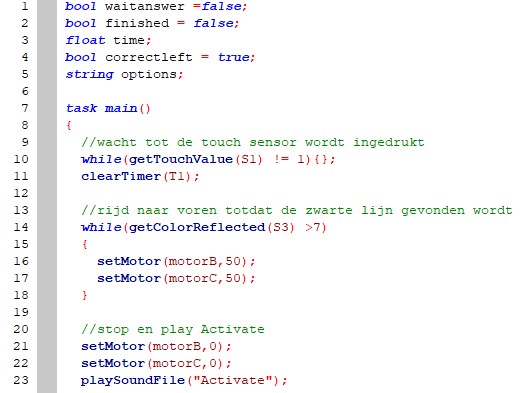
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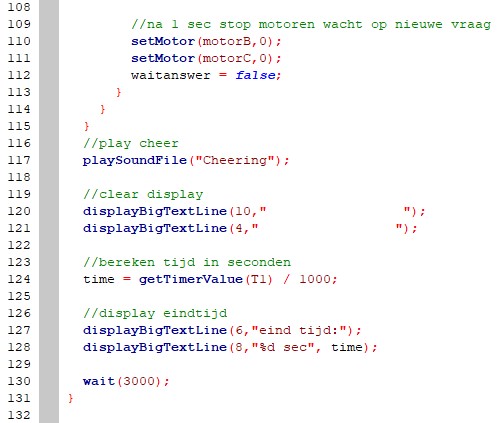
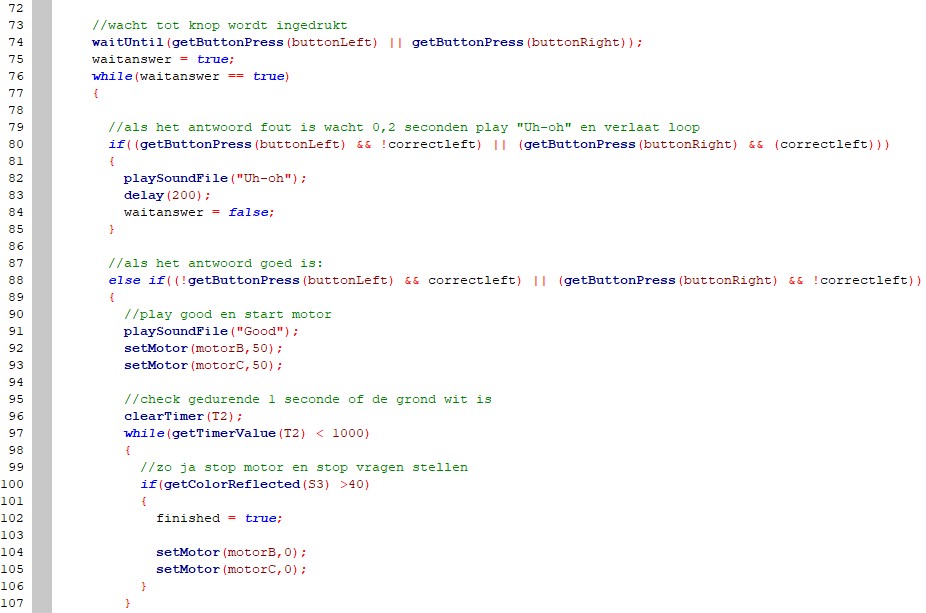
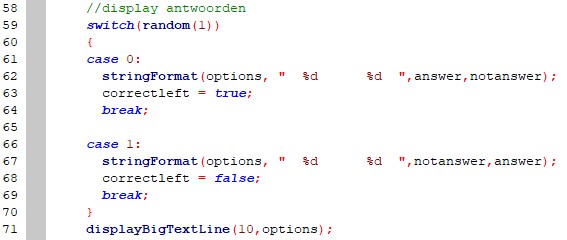
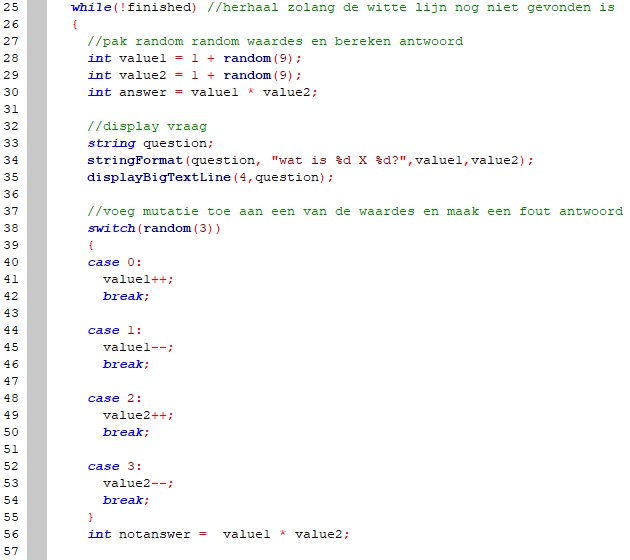
## Flow-Chart



Link voor betere weergave <https://drive.google.com/open?id=1B-lYXPB1uSaZpWDp1faIoIwQOYql-Dz8>

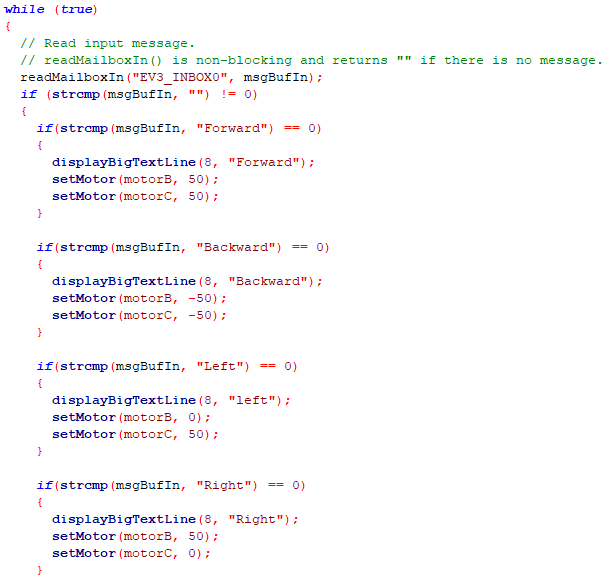
## Code





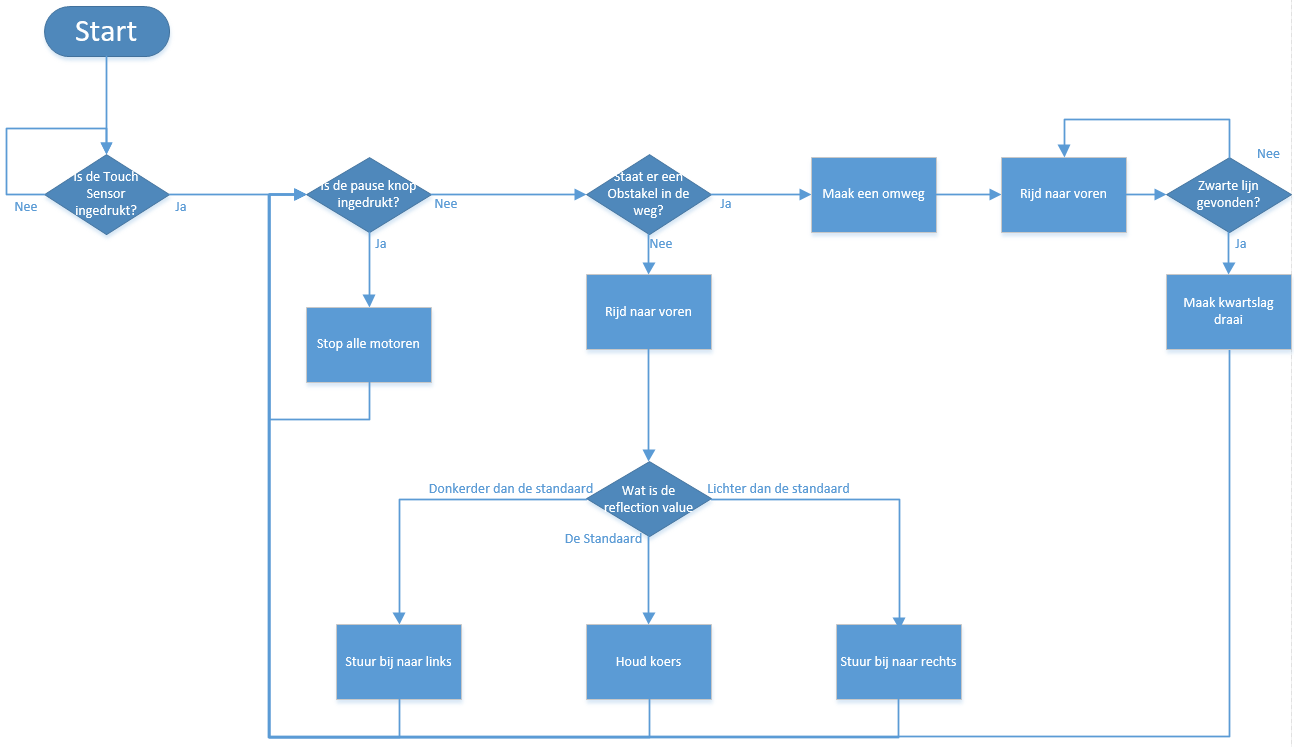
# Module 3.1

## Code



# Module 3.2 – 3.5

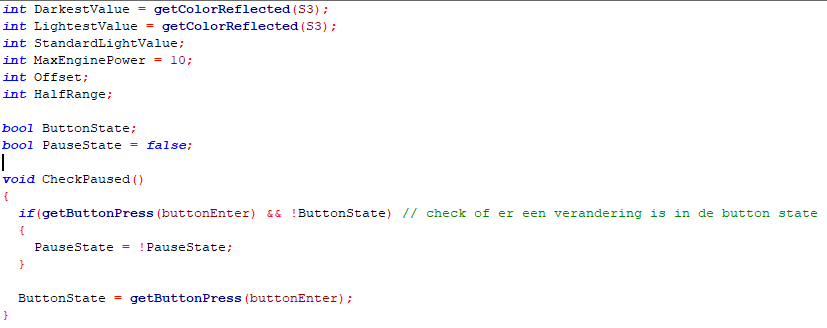
## Flow-Chart



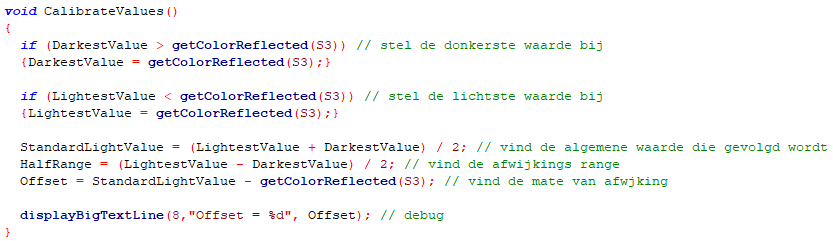
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## Code:

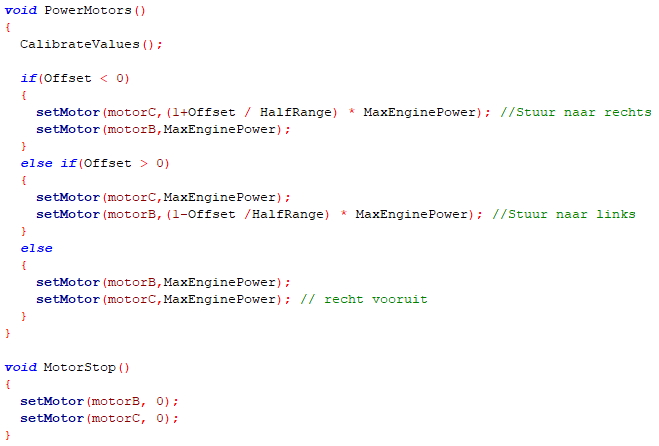
### Variabelen en CheckPaused Method



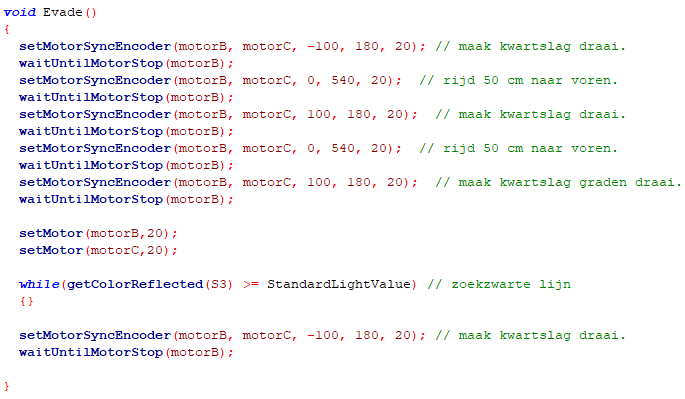
### CalibrateValues Method



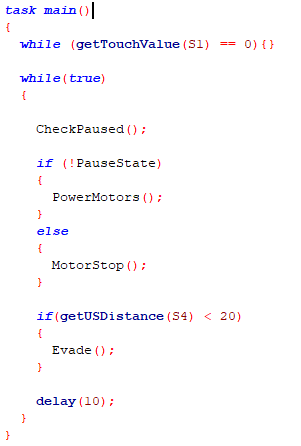
### PowerMotors + StopMotors Method



### Evade Method



### Main Method



# Bronnen

[http://help.robotc.net/WebHelpMindstorms/Content/Resources/topics/LEGO\_EV3/ROBOTC/Motors/se tMotorSyncEncoder.htm](http://help.robotc.net/WebHelpMindstorms/Content/Resources/topics/LEGO_EV3/ROBOTC/Motors/setMotorSyncEncoder.htm)

[http://www.robotc.net/wikiarchive/Tutorials/Arduino\_Projects/Mobile\_Robotics/VEX/Using\_encoders\_ to\_drive\_some\_distance](http://www.robotc.net/wikiarchive/Tutorials/Arduino_Projects/Mobile_Robotics/VEX/Using_encoders_to_drive_some_distance)

[http://help.robotc.net/Sandbox/Zendesk-](http://help.robotc.net/Sandbox/Zendesk-Output/Content/Resources/topics/VEX_IQ/ROBOTC/Datalogging/datalogAddValueWithTimeStamp.htm)

[Output/Content/Resources/topics/VEX\_IQ/ROBOTC/Datalogging/datalogAddValueWithTimeStamp.htm](http://help.robotc.net/Sandbox/Zendesk-Output/Content/Resources/topics/VEX_IQ/ROBOTC/Datalogging/datalogAddValueWithTimeStamp.htm)

<https://stackoverflow.com/questions/822323/how-to-generate-a-random-number-in-c><https://stackoverflow.com/questions/2751406/while-with-multiple-conditions>

[https://sites.google.com/site/ev3basic/ev3-basic-programming/using-buttons-the-screen-and-theleds/lego-ev3-standard-bitmapshttps://msdn.microsoft.com/en-us/library/f355wky8.aspx](https://sites.google.com/site/ev3basic/ev3-basic-programming/using-buttons-the-screen-and-the-leds/lego-ev3-standard-bitmapshttps:/msdn.microsoft.com/en-us/library/f355wky8.aspx) <https://msdn.microsoft.com/en-us/library/f355wky8.aspx><https://www.tutorialspoint.com/cprogramming/c_break_statement.htm>

[http://help.robotc.net/WebHelpVEX/index.htm#Resources/topics/ROBOTC\_Debugger/Debug\_Windows /Motors.htm](http://help.robotc.net/WebHelpVEX/index.htm%23Resources/topics/ROBOTC_Debugger/Debug_Windows/Motors.htm)

<https://www.youtube.com/watch?v=BjVeWRNiddE>

<https://stackoverflow.com/questions/16627588/what-is-the-correct-string-terminator-in-c>

<https://www.tutorialspoint.com/cprogramming/c_arrays.htm>

<https://www.le.ac.uk/users/rjm1/cotter/page_22.htm>

<https://www.tutorialspoint.com/cprogramming/c_variables.htm>

<https://www.geeksforgeeks.org/understanding-extern-keyword-in-c/>

<https://stackoverflow.com/questions/15707732/what-does-array-means>