5. Case 03: Line Tracking

5.1. Purpose

• Programme to set the TPBot driving along with the black line.

5.2. Material



5.3. Software

MicroSoftmakecode

5.4. Programming

• Click "Advanced" to see more choices in the MakeCode drawer.



• We need to add a package for programming. Click "Extensions" in the bottom of the drawer and search with



##Sample

• Judge the status of the line-tracking sensors: if the black was detected on the left, set the speed of the left wheel in 0 and the right in 40; if the black was detected on the right, set the speed of the left wheel in 40 and the right in 0.



- Link
- Link: https://makecode.microbit.org/ 4WML7wLL5DDJ
- You may also download it directly below:

5.5. Conclusion

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• TPBot drives along with the balck line.

5.6. Exploration

5.7. FAQ

Q: The car does not work with the code in the wiki.

A: It should be the batteries that are lack of power, please try to fix it by adding the value of the speed in the code.