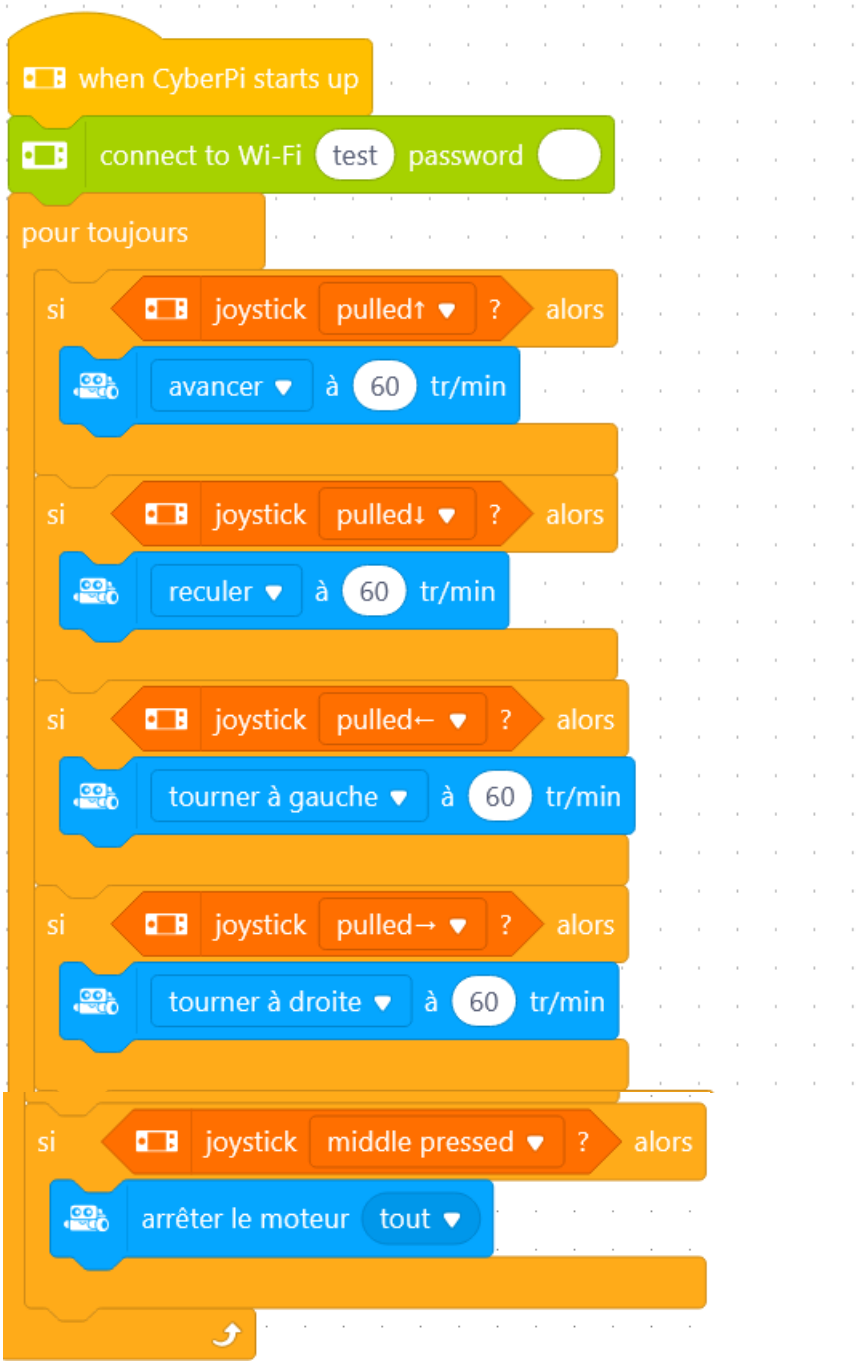
R121 – TP
Pilote de Formule 1

1. Titre de niveau supérieur



Programme pour commander le mbot avec une manette

```python
import cyberpi, event, mbuild, mbot2, pyaudio, speech_recognition


@event.start
def on_start():
    try:
        with speech_recognition.Microphone() as mic:
            audio = speech_recognition.Recognizer().listen(mic, timeout=1)
            transcription = speech_recognition.Recognizer().recognize_google(data=audio, language="fr")
            for words in transcription.split():
                if words.lower() in ["avance", "gauche", "droite", "recule"]:
                    if words.lower() == "avance":
                        mbot2.forward(60, 5)
                    if words.lower() == "gauche":
                        mbot2.turn(90)
                    if words.lower() == "droite":
                        mbot2.turn(-90)
                    if words.lower() == "recule":
                        mbot2.backward(60, 1)

    except (speech_recognition.UnknownValueError, speech_recognition.RequestError, speech_recognition.WaitTimeoutError):
                pass
```

Programme pour commander le mbot avec la voix