Lift Self-Correcting logic to prevent the Lift arms from slowly creeping upward during the match.

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In Robot.autonomousInit
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Reset Climber encoders on Falcon motors. (talonFX.encoder.reset)

Initialize self-Correction variables (init values)

minEncoder to talonFX.getAbsEncoder value + some safetyOffset at startup

midValue = (maxEncoder + minEncoder)/2

maxValue = Constant (determined at test/build time)

safetyOffset = Constant (determined at test/build time)

selfCorrection = true // self-correction flag

In Robot.teleOpInit

Go back to init Values

While Robot is running (teleOp mode)

In Climber subsystem

If (selfCorrection==true)

Check encoder value talonFX.getAbsEncoder

When encoderValue is > maxValue

Lower to midValue

If climberButtonPressed Then disable SelfCorrection

selfCorrection = false