The robot should take boxes in the following sequence:

1) Three (03) boxes
2) Three (03) boxes
3) Two (02) boxes

Then, we go again with the sequence (3, 3, 2), as much times as we can (tends to infinte).

I have set the robot as follows:
- Load time = 1,5 s
- Unload time = 1,5 s

The process time on the combiner is 1,85 s and setup time is 0.

The whole cycle for the robot can´t be greater than 8 seconds.