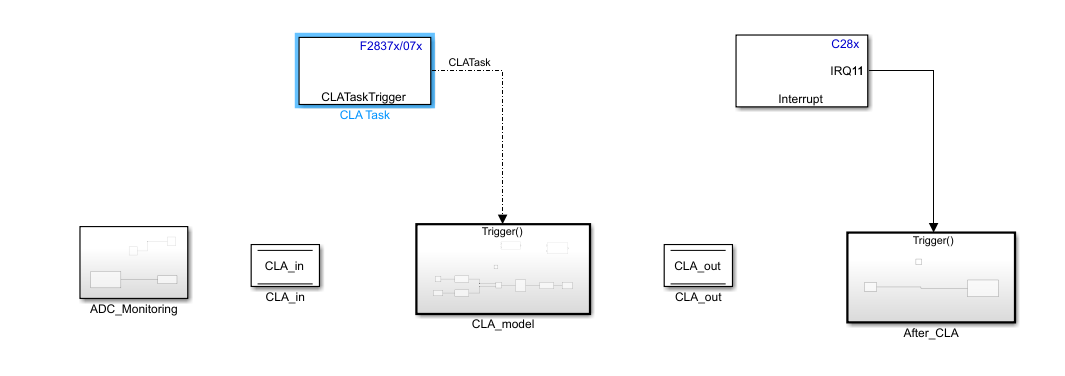
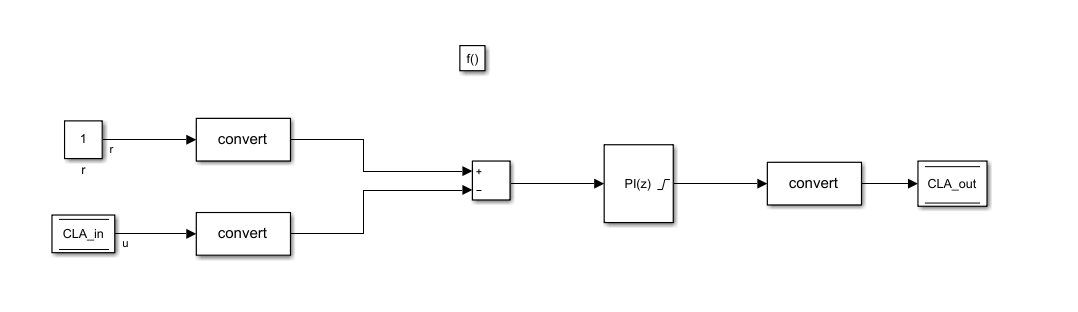
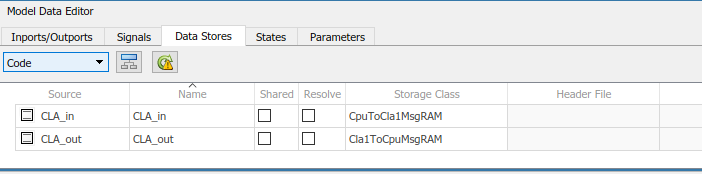
Hi . We are currently trying to implement PI controller in CLA. We are using Simulink models for generating the code. We use Embedded coder support package for C2000 micro controllers in Simulink for using the libraries. We are using TMS320F28379D controller.



This is the model we are using. Inside CLA\_model, the implementation is as below



And the Data store memories have been configured for transfer of data from CPU and CLA, as below

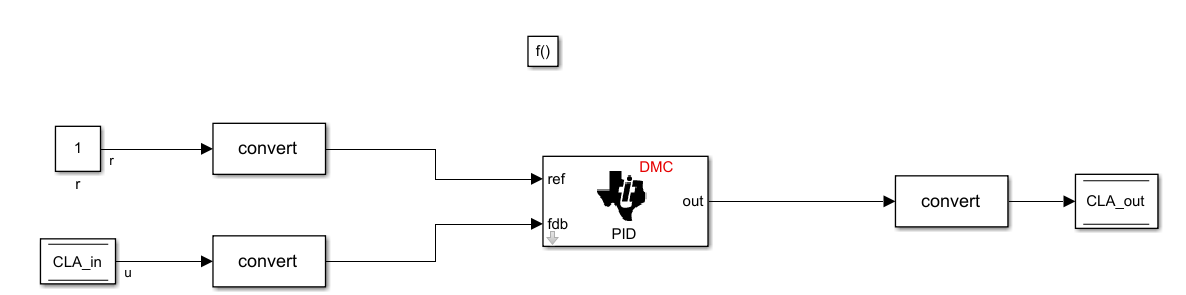


On trying to build the model, we are getting error message as below.



Log for the build is attached as PID\_CLA\_built\_build\_20210506\_123438.txt

And if the DMC library for PID controller , which is available in Embedded coder support package for C2000 micro controllers package by updating the model as below,



Following is the error we get.



Log for the build is attached as PID\_CLA\_built\_build\_TI\_Library\_for\_PID\_Controller.txt

The configurations of CLA have been done as per the documentation found in   
https://in.mathworks.com/help/supportpkg/texasinstrumentsc2000/examples/using-the-control-law-accelerator-cla.html#:~:text=In%20this%20model%2C%20data%20integrity,time%20inherited%20from%20the%20inputs.&text=This%20example%20uses%20C28x%20peripheral,for%20Texas%20Instruments%20C2000%20Processors.