

TIMEFRAME preusous Payd Angue precious for forman CAPT Excoder Duya EN coder

## IMOTOR CONTROLLER

- · INI
- · INZ
- ENA
- + ROTATE CLOCKWISE (VOUTAge)
- + POTATE COUNTER CLOCKWISE (WITAGE)
- + STOP MOTOR ()

PROK LZ98 DROKLZG8-TES LOR CONTROLLER

- · gainVector
- + complete Control Typer (140

MAYBE?

STATE CALCULATOR

- · STATE
- " CAPT ENCODER
- · Perdum Exceder
- · encoder-PPE
- · TIME GRANE
- · Tour Pulley PADEUS
- + update State()

CART ENCODER Sensoiz penduum encoder - sensor ACTUATOR -MOTOR PENDULUM STATE CONTROLLER LUR CONTROLER LOR CONTROUTER State gain Vector penduum AnglE + COMPLETE CONTROL TYPUT (STATE) Curt POSSTION + SOT BOWD () Pendum Anguas Verocary Cort Verocory ATM OTOR + update() + NOTATE CWCKWISE + POTATE COUNTER CLOCKWISE IENWOORR tread Moneles FNODER

pendum Elan encoder Court To Perpulum A ENWOER PPR ENCODER COURT TO CART CUST ENWORK COUNT IDUR-Juney radige Brute COMPUTE CONTROL INPUT engle-Bowd Sens Input to Marak CONTROL INPUT Spendencoder To AnglE ENO DER - PPF. (Wart Encoder To Pas (50 UER-PULLEY - Padras COMPUTE PEND VELOCITY TOME FRAME Compare CART VEWOTT ANGUEBOUND Prod Ague & Compute Coughor Input P CAPT POS PRUM: 11; Send INPUTTO MOTOR CURRENT MILL MAS Hand Joseph CONTROCTAPIN CITT COUNT pend Court State Mapped Input

