ECGR 4101/5101 LECTURE 19 Interrupt Indo Snack food machine Post in lit Regular 846462 netven Refun Pole. Alarm State & lock-up pushed toin inserted eft bility Display money on mented verificat Valrate If \$\$>= idem

LECTUPE 19 ECGR 4101/5101 theft-timer- 15R (void) state = idle state Display-timer-ISR (Void) state: idle-state return-button-15R (void) if state == money-state then state = return money Corn_inserted_15R(vord) if not a valid com, return com, return state = money-state save coin value in coin_inserted (variable) theft_ possibility_ ISR (void) State = alarm-bok-up start-theft-timer button- press_ IBR (Void) if state == idle state Ofseif state = money_state

State = verification_state Save botton press in botton valve (vaviable)

ECGR 4101/5101 LECTUPE While (1) } switch (state) idlestate function idlestate: desplay state-function dBplay-state: alarm_ lockup-function alarm state: redun-money-fure Hereturn - money: Money - state: Validate. item: Vend_and_return: end switch return-money-function (void) { return amount of money in

monoy-count (variable) money - count = 0 Coin_ inserted = 0 button_value = 0 state = Tale_state

ECGR 4101/5101 LECTURE 19 alarm - lockup - Frankion (void) lock drawer, dispenser, coins sound alarm activate taser display-price-function display price of item (button-value)