

# Halo Gun Controller

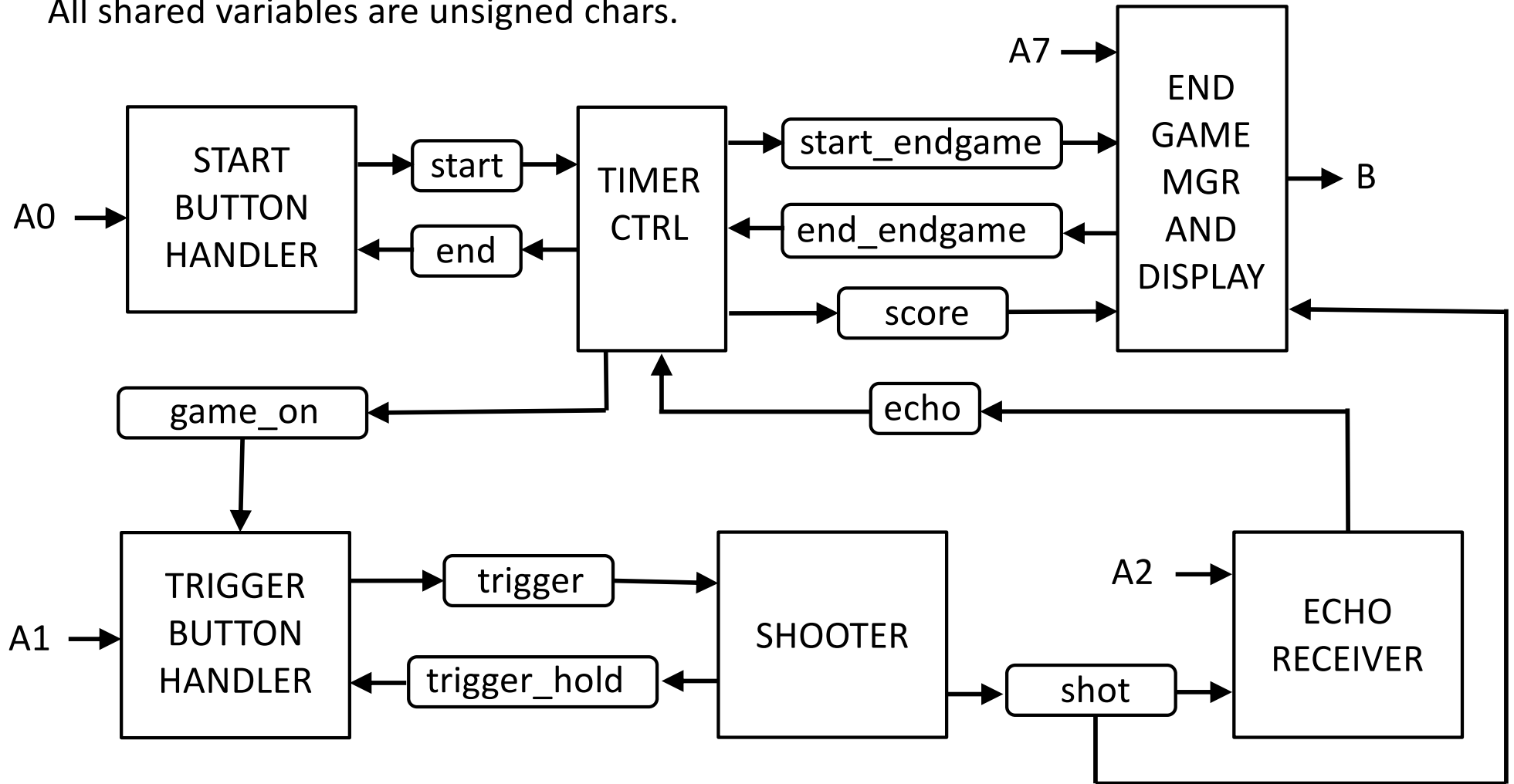
## Design Problem Solution



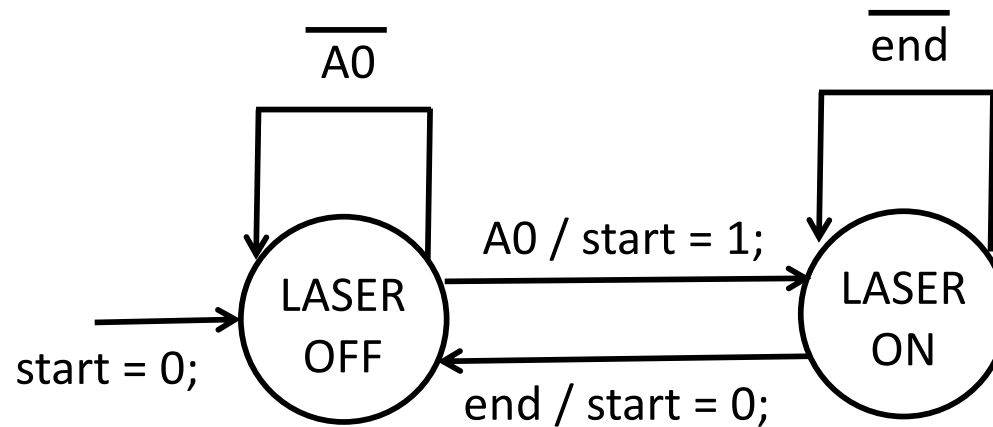
# Task Diagram

Period = 100ms.

All shared variables are unsigned chars.

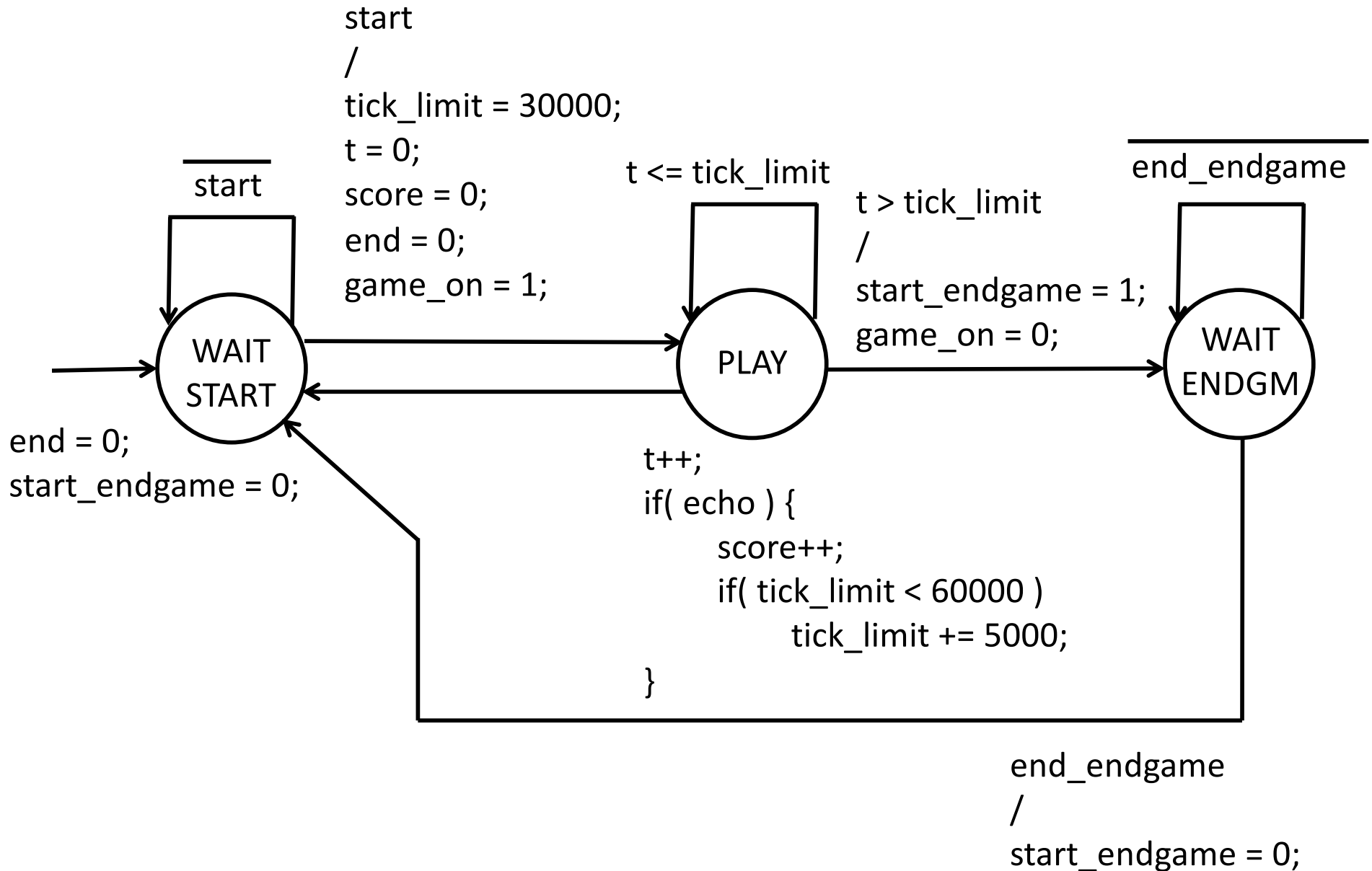


# START BUTTON HANDLER Task

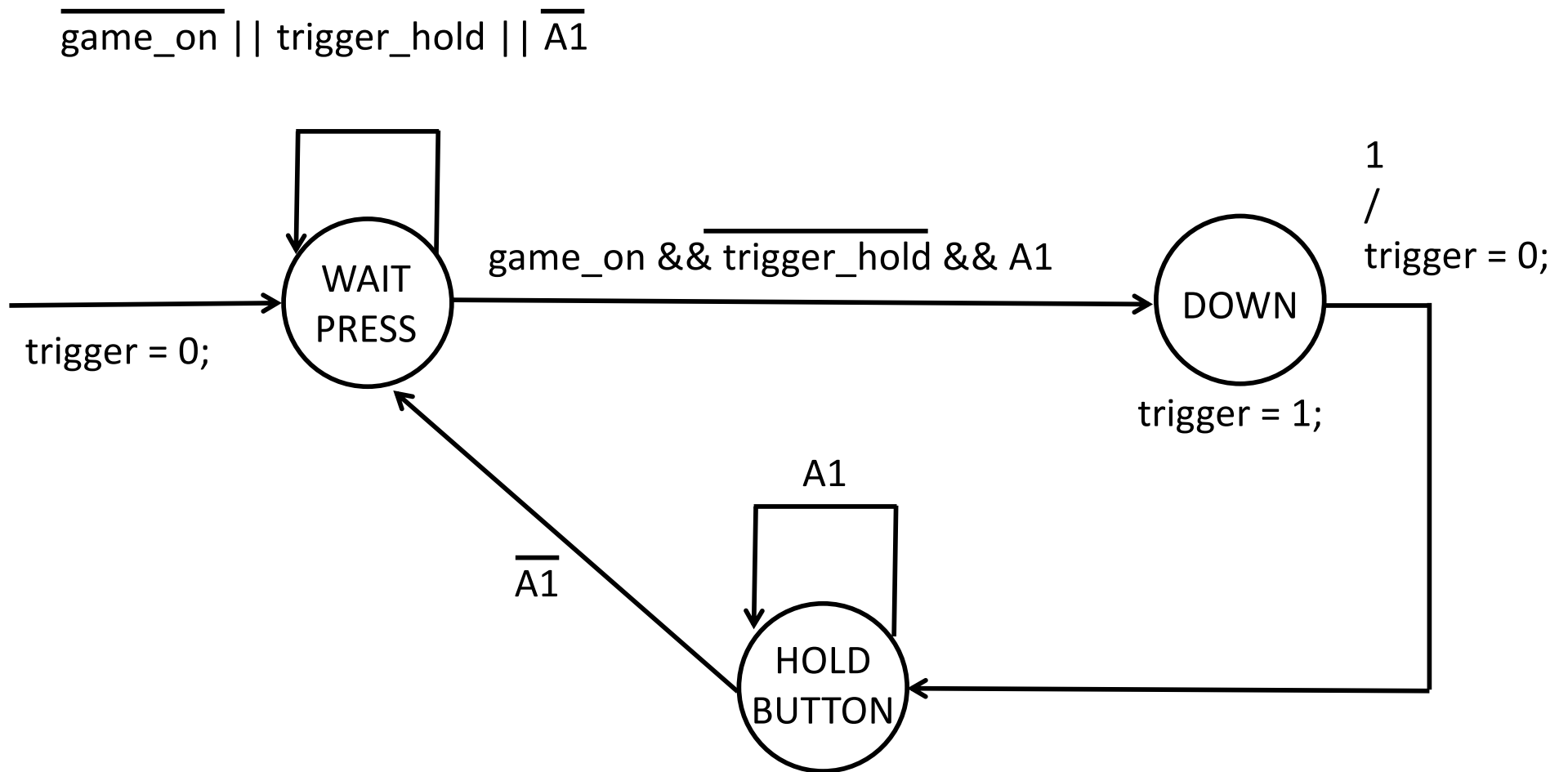


unsigned short tick\_limit;  
unsigned short t;  
unsigned char score;

# TIMER CTRL Task

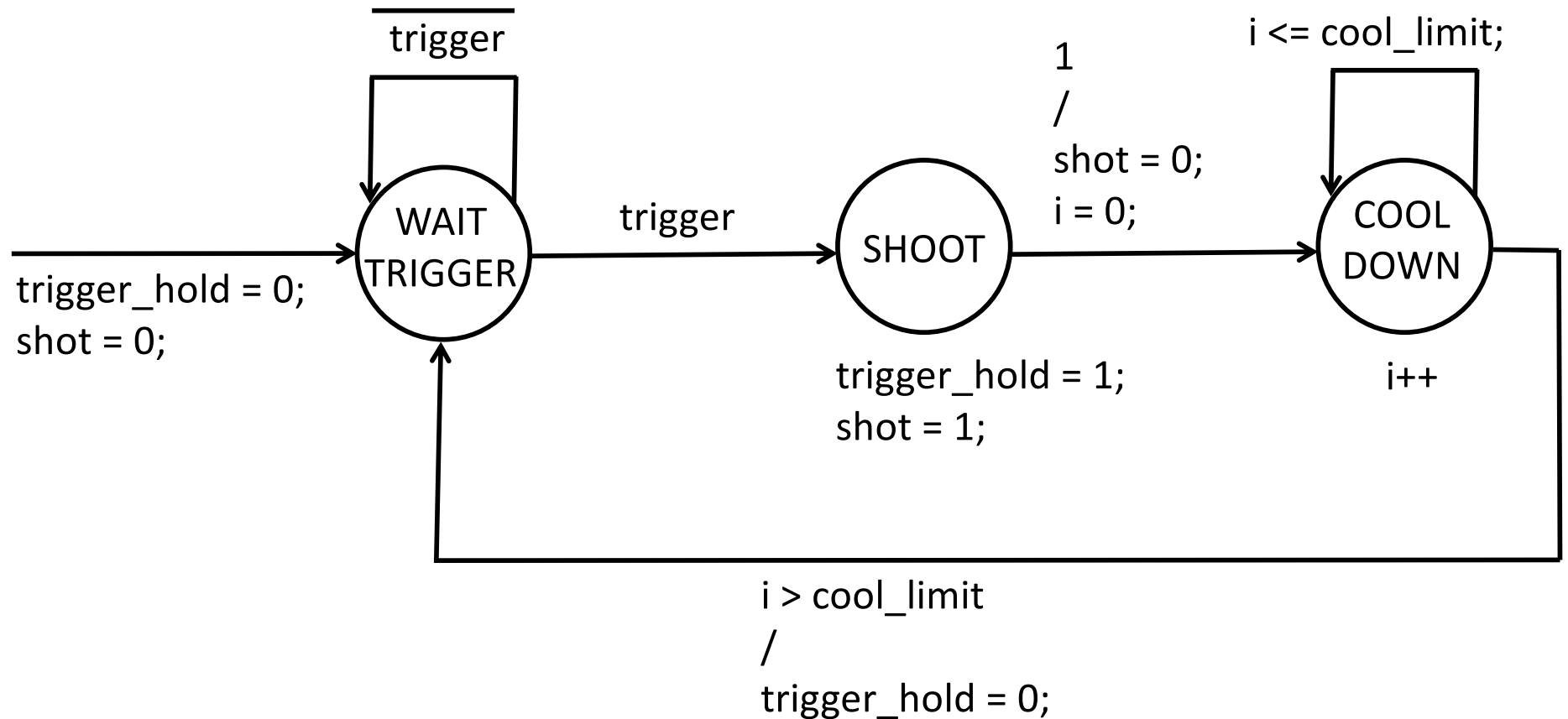


# TRIGGER BUTTON HANDLER Task



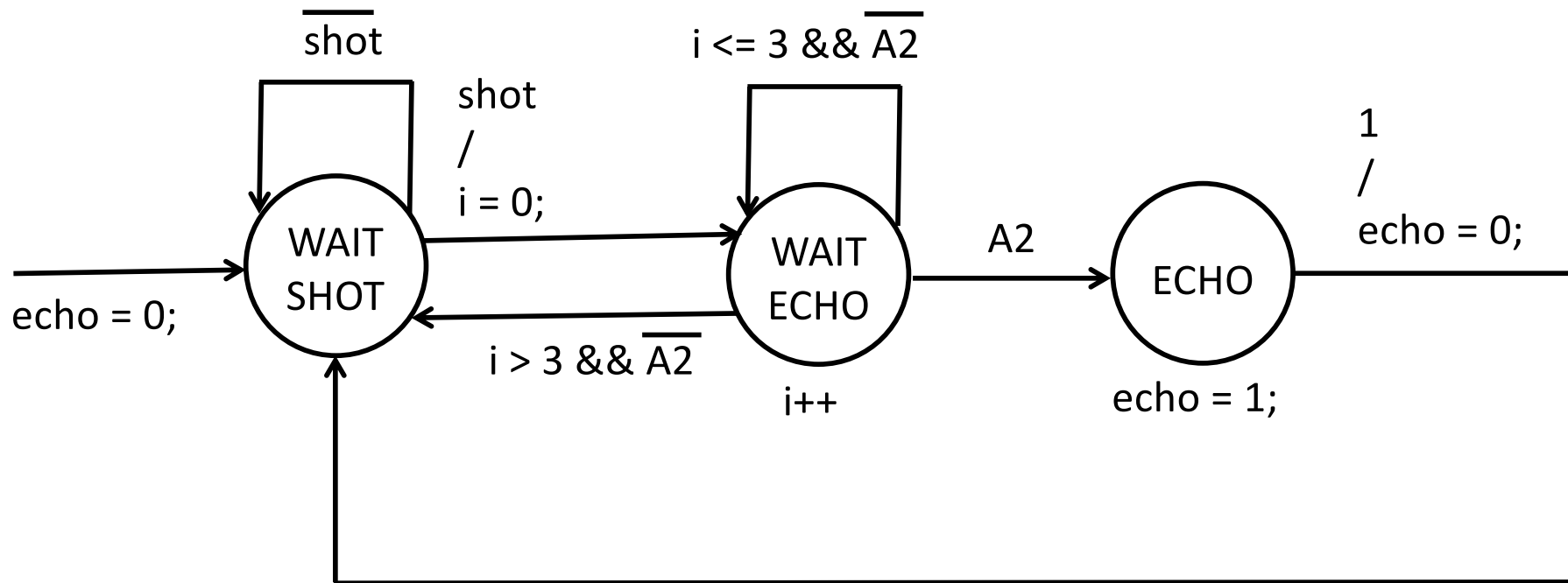
# SHOOTER Task

```
const unsigned char cool_limit = 7;  
unsigned char i;
```



# ECHO RECEIVER Task

unsigned char i;



# END GAME MGR AND DISPLAY Task

unsigned char i, j;

