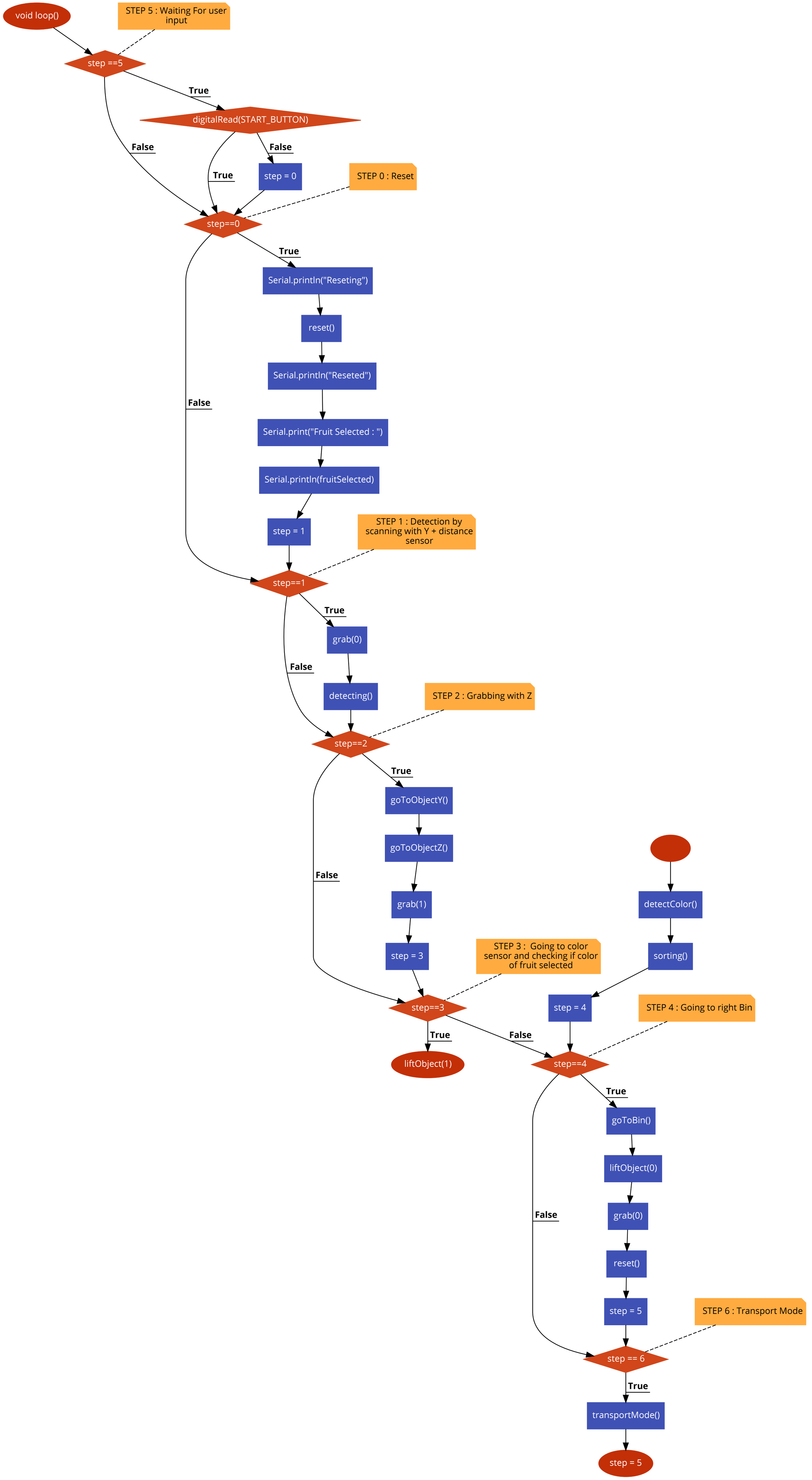
void loop()
STEP 5 : Waiting For user input
step ==5
True
digitalRead(START_BUTTON)
False
False
True
step = 0
STEP 0 : Reset
step==0
True
Serial.println("Reseting")
reset()
Serial.println("Reseted")
False
Serial.print("Fruit Selected : ")
Serial.println(fruitSelected)
step = 1
STEP 1 : Detection by scanning with Y + distance sensor
step==1
True
grab(0)
False
detecting()
STEP 2 : Grabbing with Z
step==2
True
goToObjectY()
goToObjectZ()
False
grab(1)
detectColor()
step = 3
STEP 3 : Going to color sensor and checking if color of fruit selected
sorting()
step==3
step = 4
STEP 4 : Going to right Bin
True
False
liftObject(1)
step==4
True
goToBin()
liftObject(0)
False
grab(0)
reset()
step = 5
STEP 6 : Transport Mode
step == 6
True
transportMode()
step = 5