Here is the **full updated ESP32 code** for **Pod_01_entrada_01**.

Simple, basic, structured.

- 4 door states: closed (0), opening (1), open (2), closing (3)

- Green LED – closed

- Blue LED – opening

- Red LED – open

- Yellow LED – closing (blinking)

- Push button on pin 12 (pull-up)

- Button press: toggle open/close or abort

- 5 seconds process time

- Sync with Firebase

- No delay block

Copy to Arduino IDE.

```cpp
// Pod_01_entrada_01 - Door control with button and 4 states

#include <WiFi.h>
#include <Firebase_ESP_Client.h>

// WiFi
const char* ssid = "MEO-2hzF96460";
const char* password = "FpxA9bv8";

// Firebase
#define FIREBASE_HOST "booking-ee47f-default-rtdb.europe-west1.firebasedatabase.app"
#define FIREBASE_AUTH "m3uCFaiui2EXuQdpZGuuIgwgarKXH5lojbhUgF5b"

// Device name
const String device_id = "Pod_01_entrada_01";

// Pins
const int buttonPin = 12;    // push button (pull-up)
const int greenLed = 18;     // closed
const int blueLed = 4;       // opening
const int redLed = 5;        // open
const int yellowLed = 21;    // closing (blink)

// Firebase
FirebaseData fbdo;
FirebaseAuth auth;
FirebaseConfig config;
```