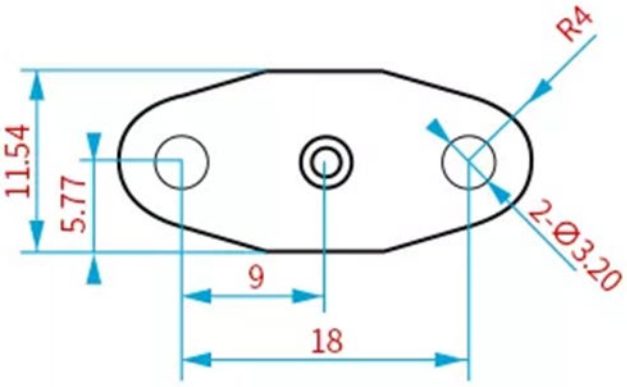
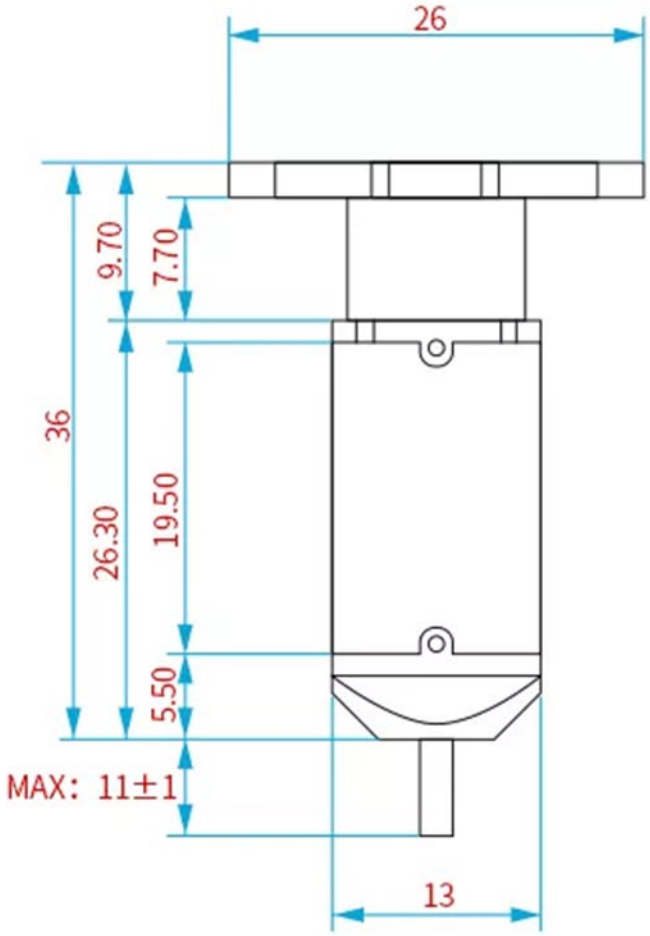
PRODUCT SIZE



UNIT: MM



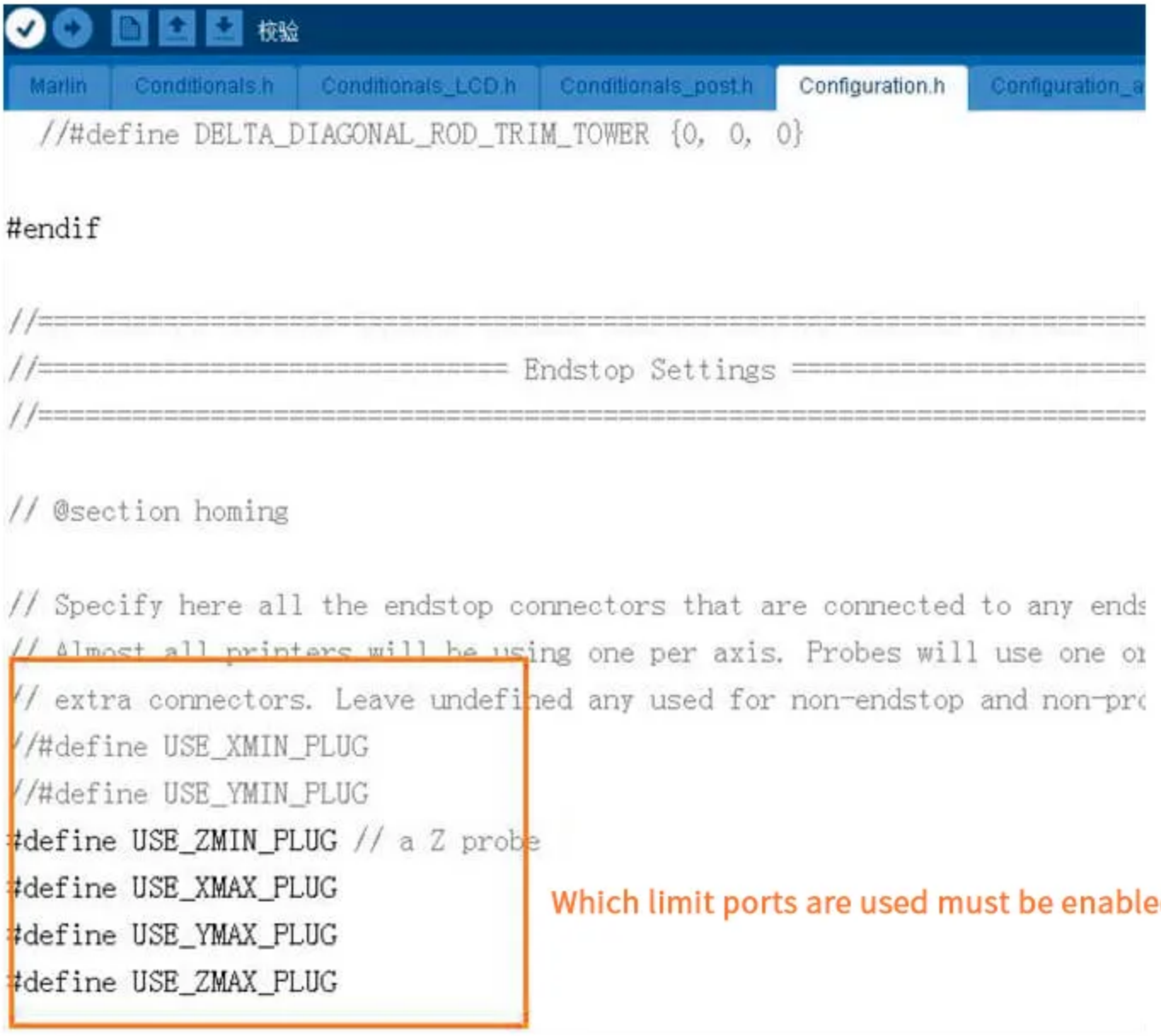
Action instruction table

3dTouch action instruction table			
Action	G-code		
	Marlin firmware	Repetier firmware	Smoothieware firmware
Pointer	M280 P0 S10	M340 P0 S700	M280 S3.0
Suction needle	M280 P0 S90	M340 P0 S1500	M280 S7.0
Self test	M280 P0 S120	M340 P0 S1800	M280 S8.4
Contact alarm (suction needle)	M280 P0 S160	M340 P0 S2200	M280 S10.6

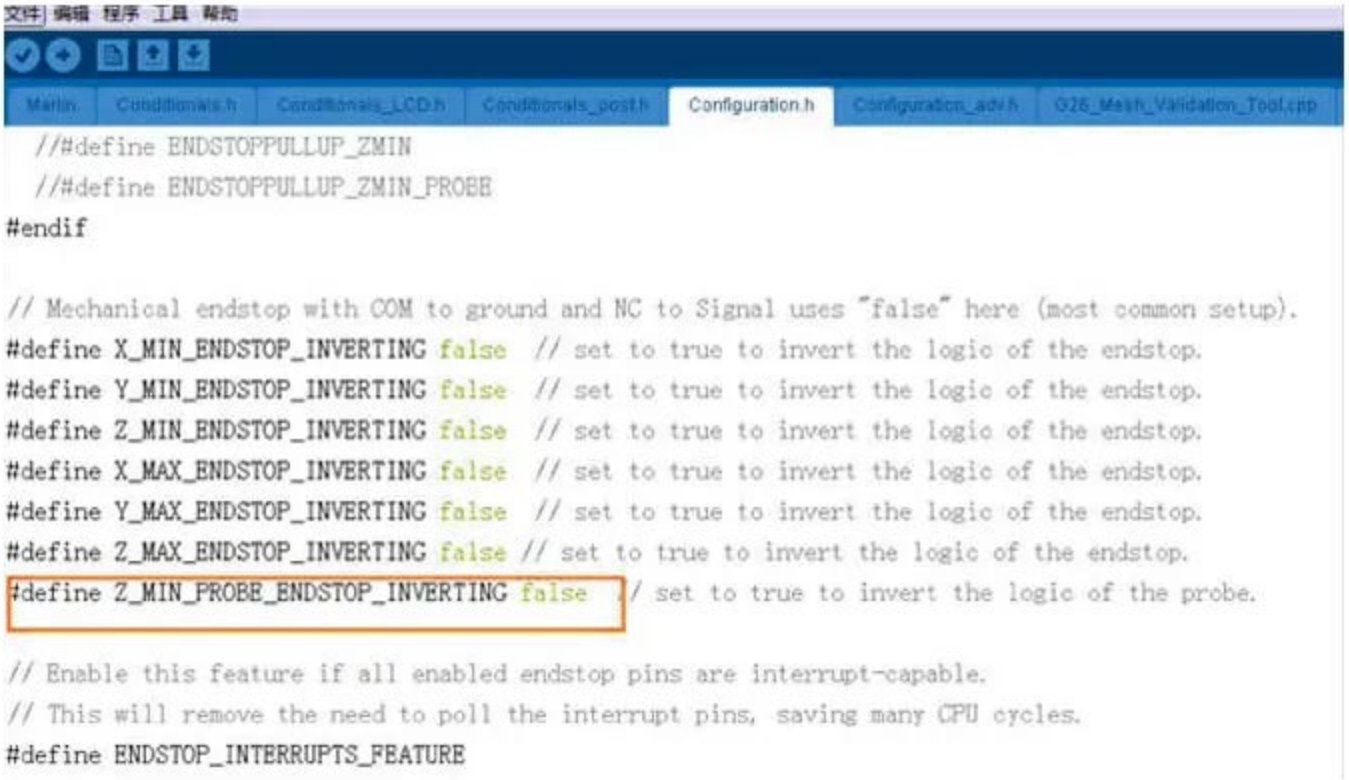
Firmware modification

5.1 Modification method of Marlin firmware (take Marlin 1.1.X version firmware as an example) (3pin wire is connected to D11 (note positive and negative)),2PIN wire connected to Zmin)

(1) Set the leveling port (Z+ or Z-), but it cannot share a pin port with the limit. Delta structure leveling can be used Zmin is used as the interface of BLtouch, and Zmax is used as the interface of the machine limit switch. 13 Structure can use Zmin As the interface of BLtouch, the BLtouch sensor is also used as the Z-axis limit sensor of the machine.

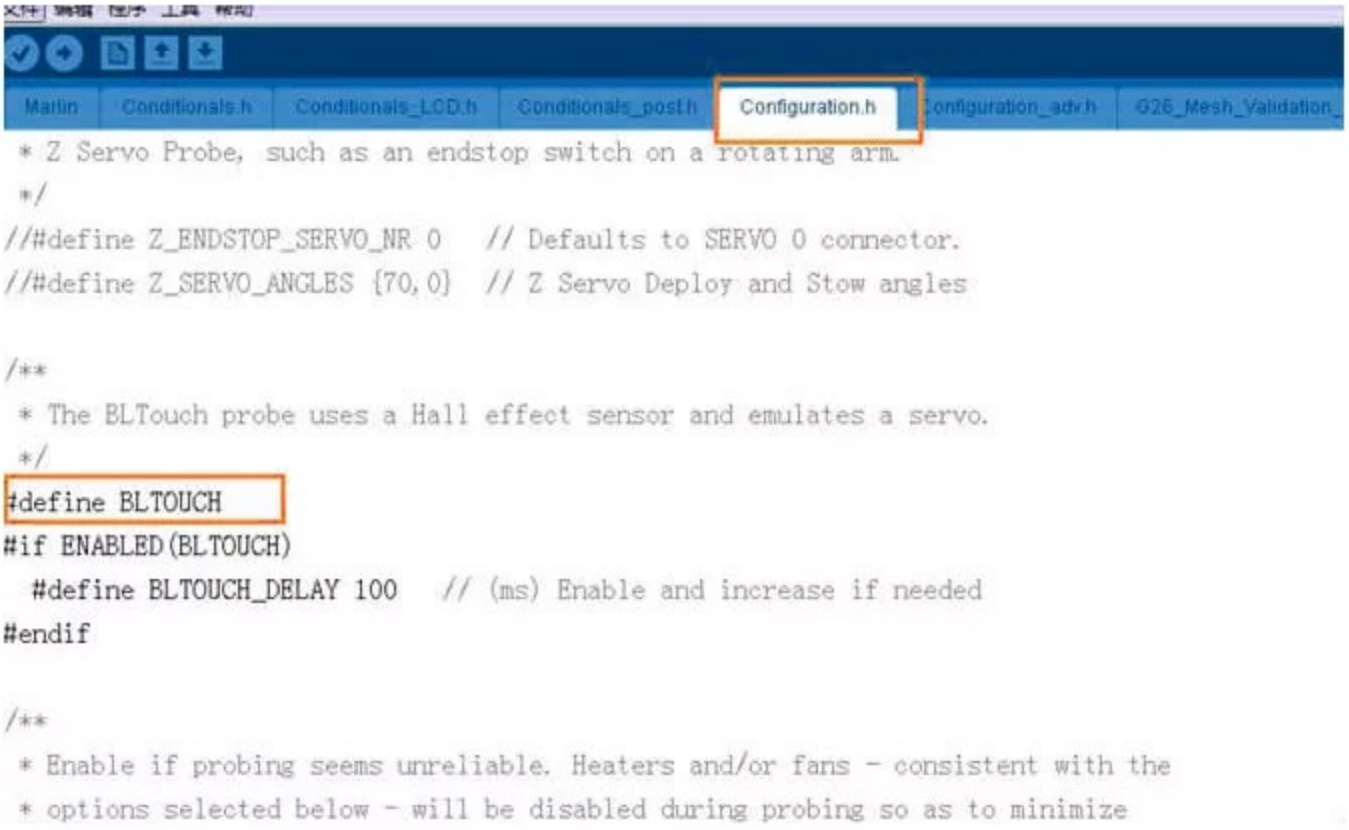


(2) Set the leveling interface type

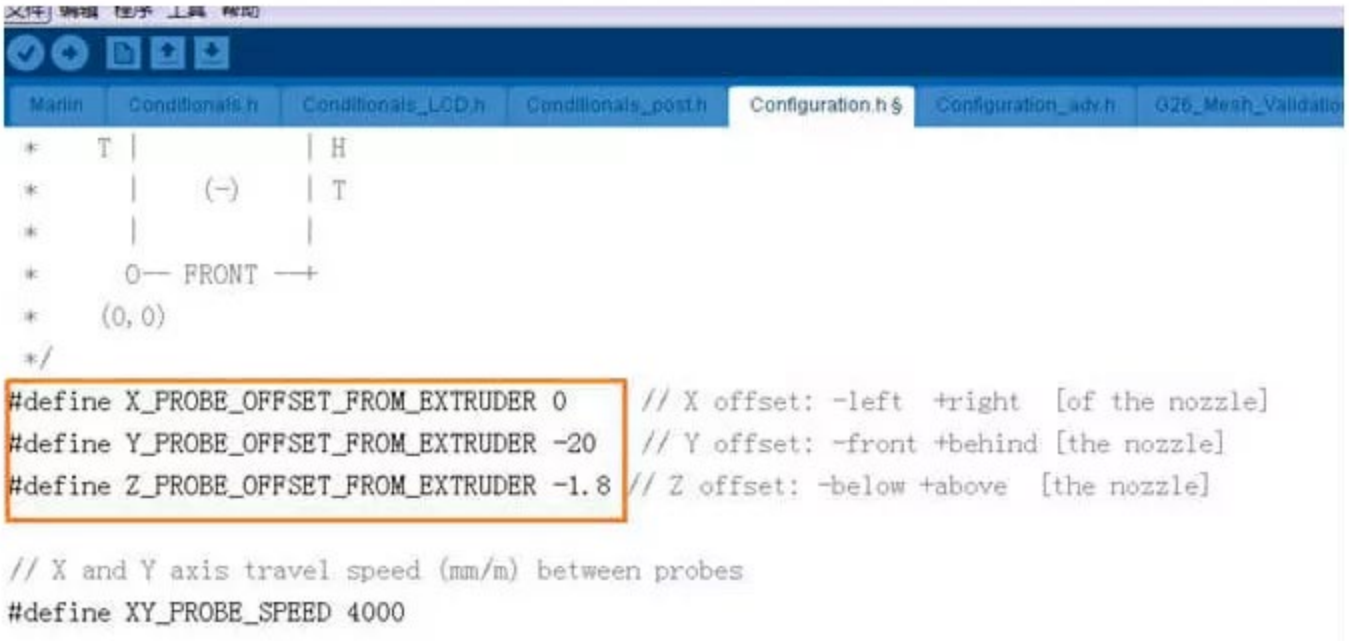


(3) Enable Z_MIN_PROBE_USES_Z_MIN_ENDSTOP_PIN

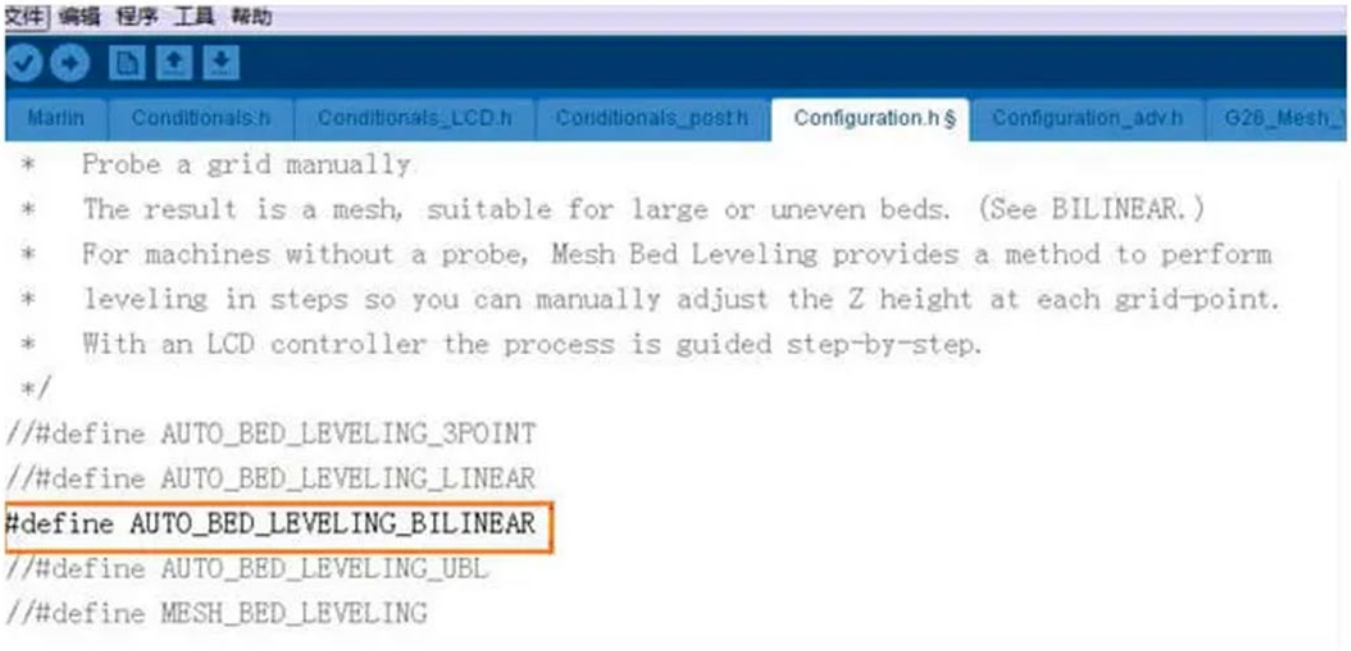
(4) Enable BLtouch leveling



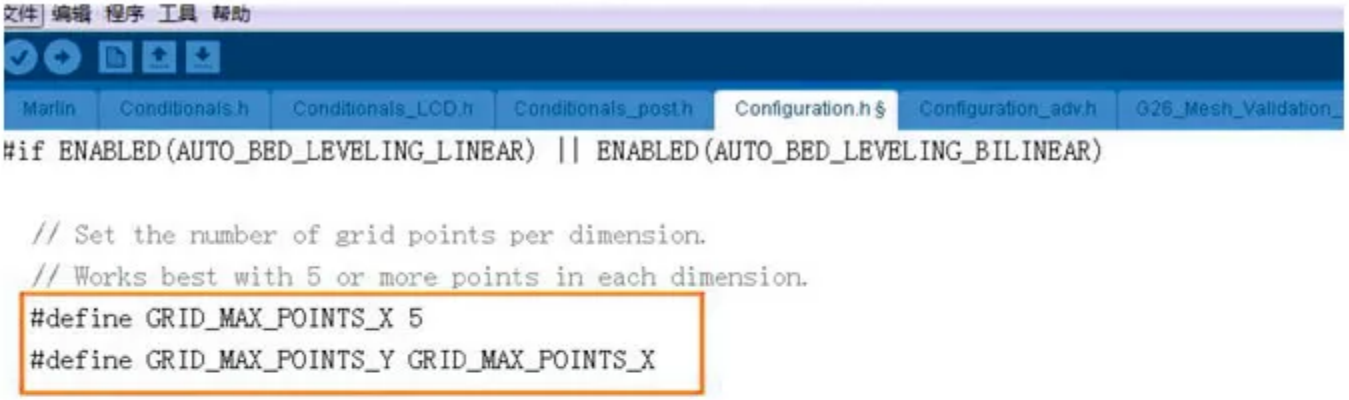
(5) Set the deviation value of the leveling switch probe from the nozzle in the XYZ direction



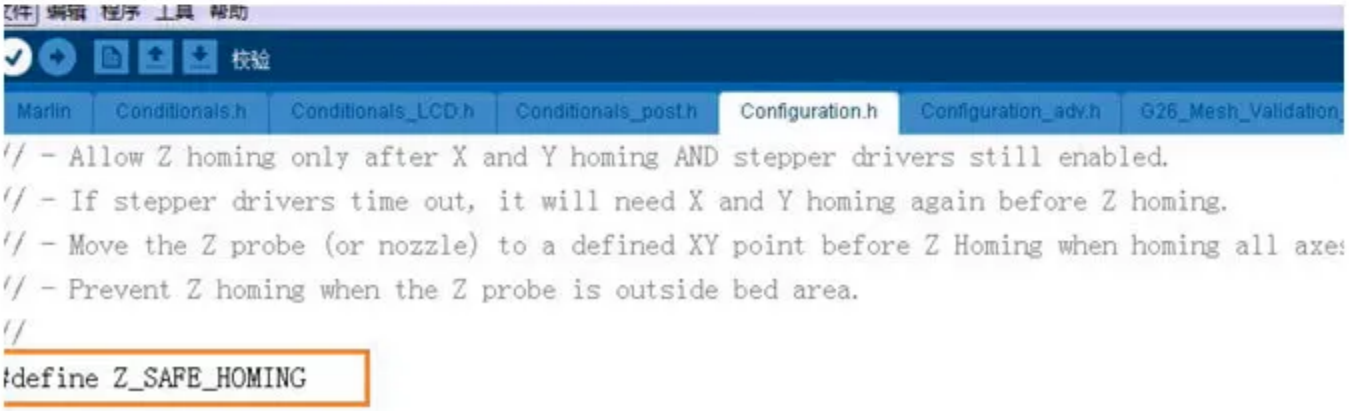
(6) Set the leveling method



(7) Set the leveling points (for example, 5*5=25 points)

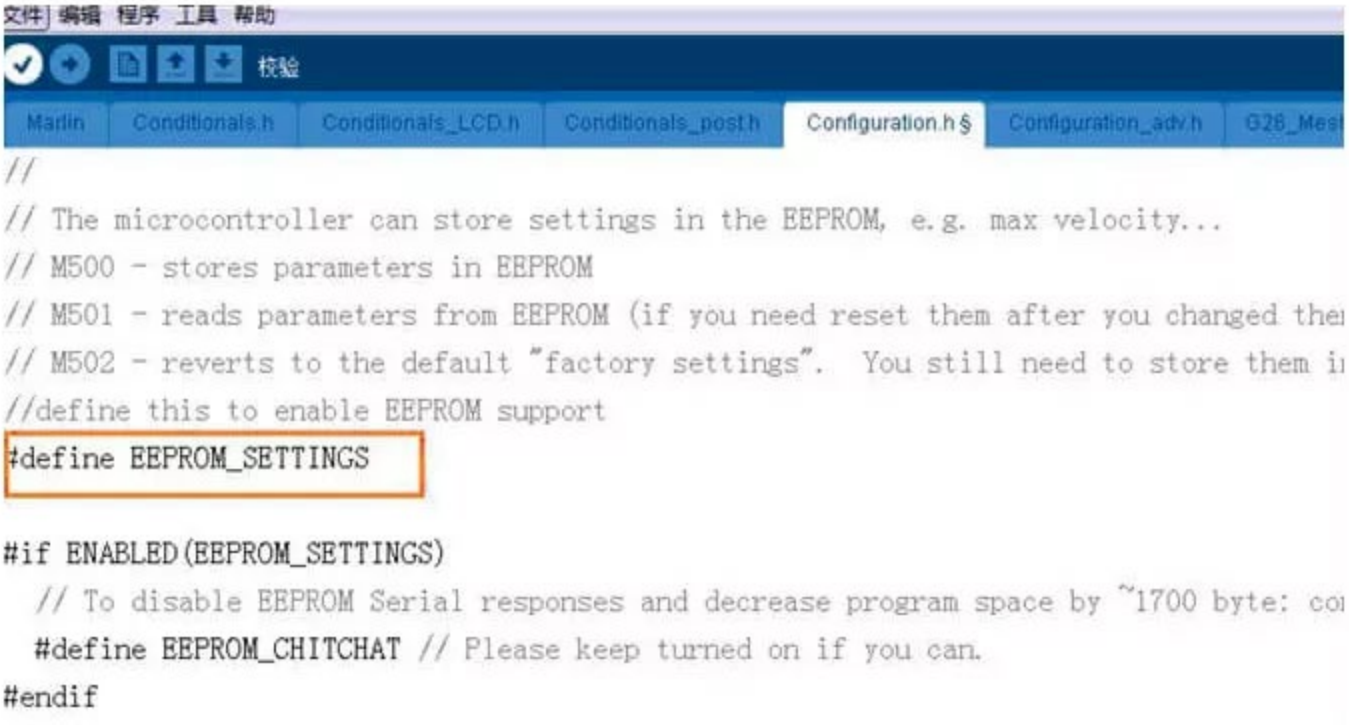


(8) Set the zero return center (you can not set it, if the machine with I3 structure uses BLtouch as the Z-axis limit sensor of the machine,This should be turned on to avoid the sensor from touching the hot bed. After the machine is turned on, the machine will move to the middle of the hot bed to perform the Z-axis zero return)



(9) Save data after setting leveling

1) Remove the // in front of #define EEPROM_SETTINGS, turn on M500 to save data



2) Open Marlin_main.cpp and find: add set_bedleveling_enabled(true); as follows: case 28://G28:Home all axes,one at a time

(Note: This sentence must be added, otherwise the leveling data cannot be saved)