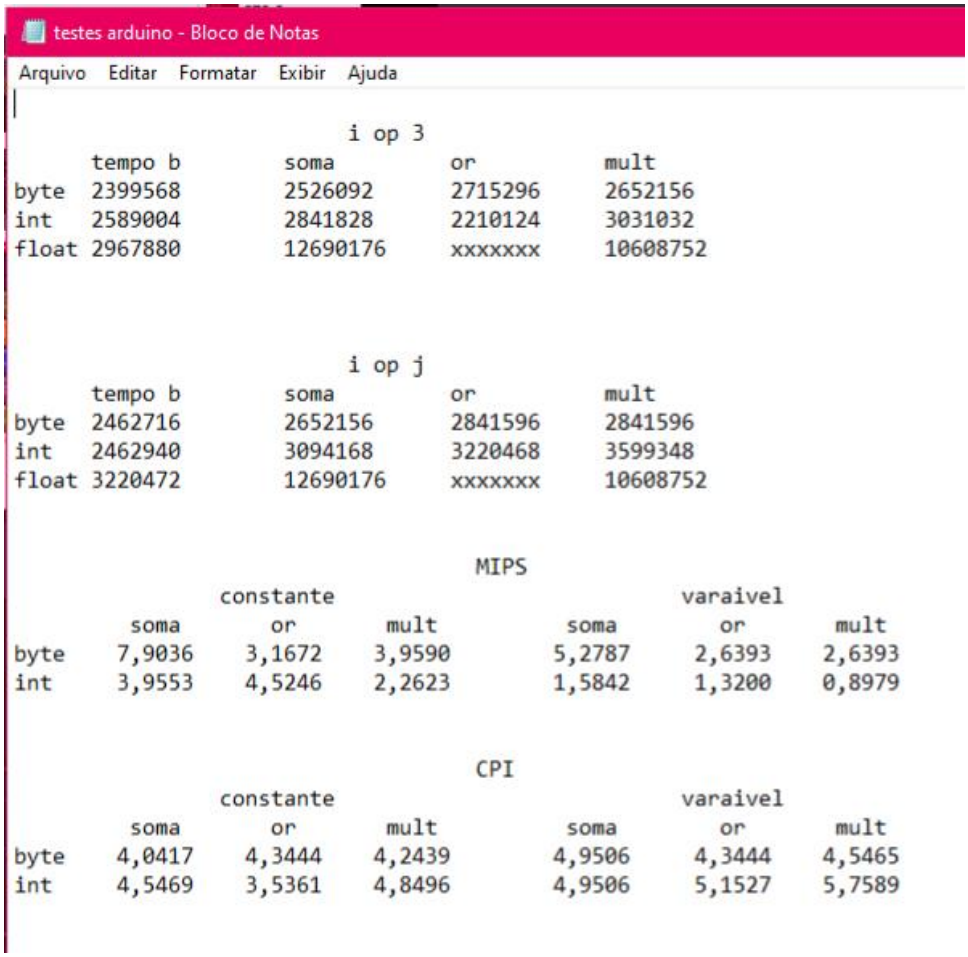
TP 04 – Igor Franco Corrêa - 750077

Tabelas Arduino:



testes arduino - Bloco de Notas

Arquivo Editar Formatar Exibir Ajuda

i op 3

	tempo b	soma	or	mult
byte	2399568	2526092	2715296	2652156
int	2589004	2841828	2210124	3031032
float	2967880	12690176	xxxxxxx	10608752

i op j

	tempo b	soma	or	mult
byte	2462716	2652156	2841596	2841596
int	2462940	3094168	3220468	3599348
float	3220472	12690176	xxxxxxx	10608752

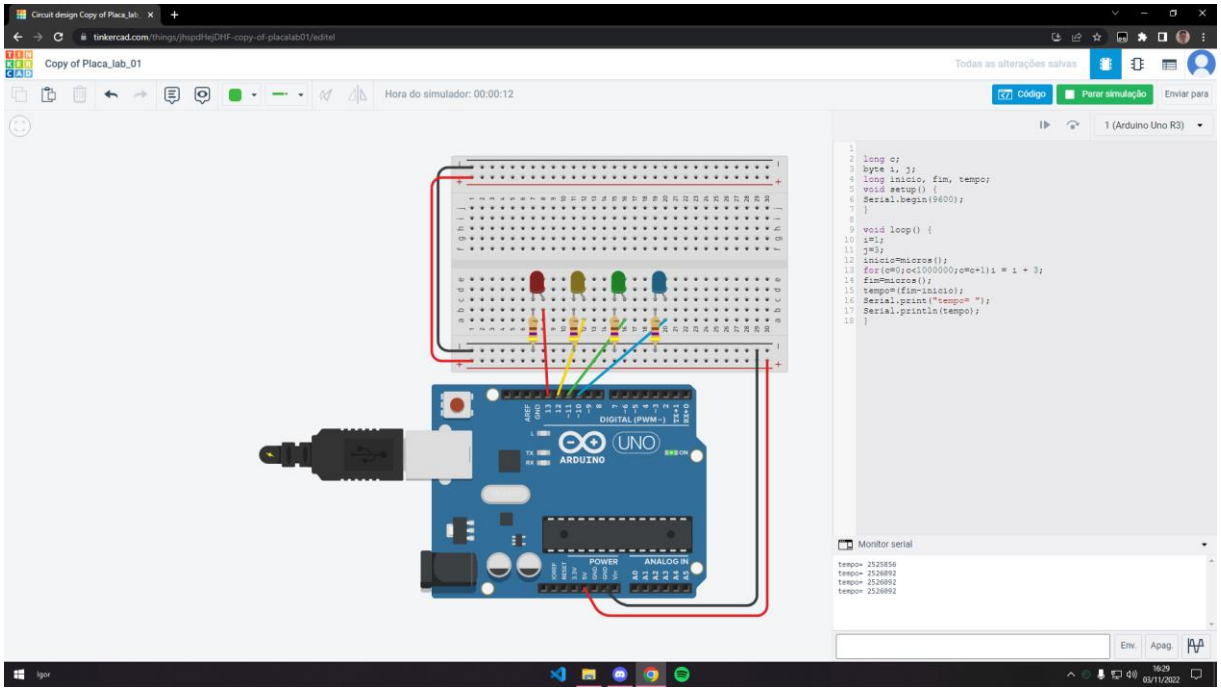
MIPS

	constante			varaivel		
	soma	or	mult	soma	or	mult
byte	7,9036	3,1672	3,9590	5,2787	2,6393	2,6393
int	3,9553	4,5246	2,2623	1,5842	1,3200	0,8979

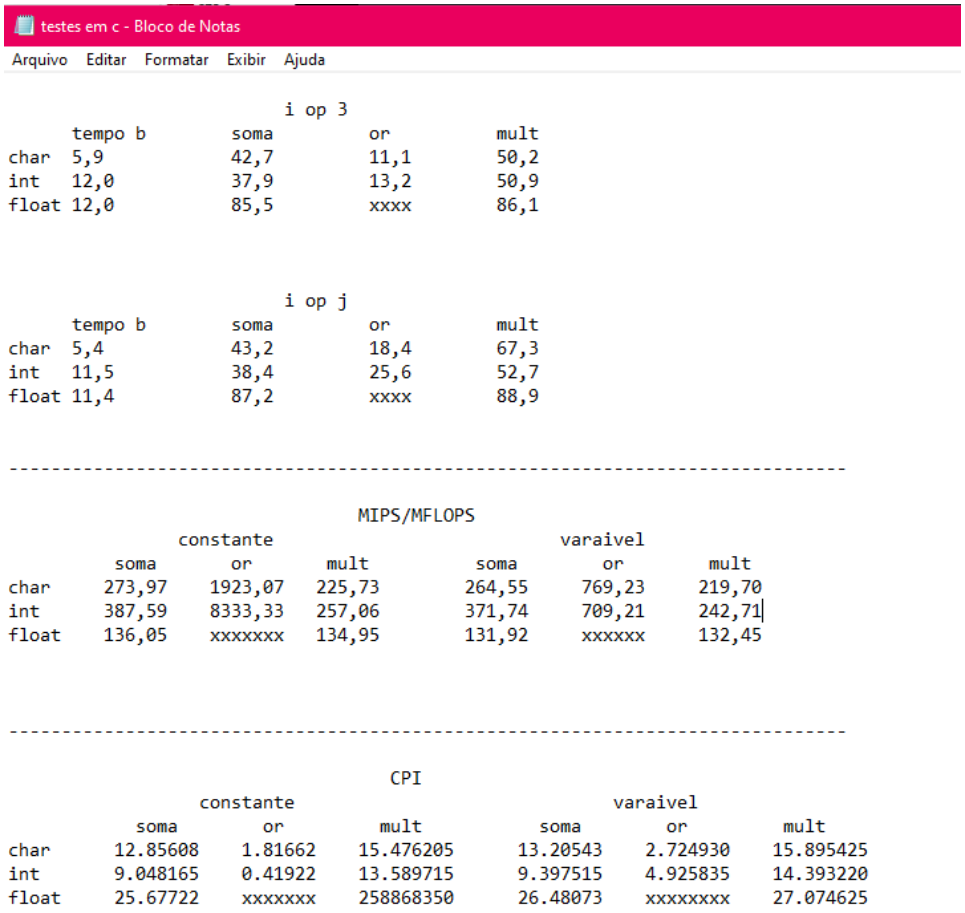
CPI

	constante			varaivel		
	soma	or	mult	soma	or	mult
byte	4,0417	4,3444	4,2439	4,9506	4,3444	4,5465
int	4,5469	3,5361	4,8496	4,9506	5,1527	5,7589

Teste Arduino:



Tabelas Prog em C



testes em c - Bloco de Notas

Arquivo Editar Formatar Exibir Ajuda

i op 3

	tempo b	soma	or	mult
char	5,9	42,7	11,1	50,2
int	12,0	37,9	13,2	50,9
float	12,0	85,5	xxxx	86,1

i op j

	tempo b	soma	or	mult
char	5,4	43,2	18,4	67,3
int	11,5	38,4	25,6	52,7
float	11,4	87,2	xxxx	88,9

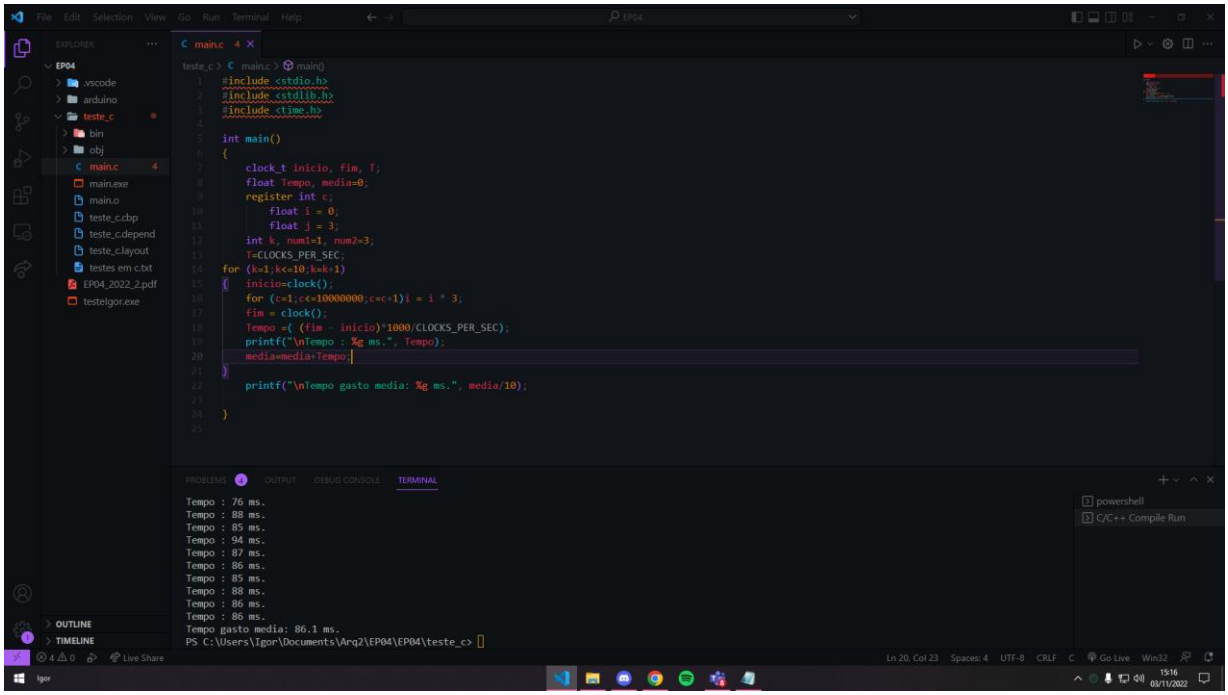
MIPS/MFLOPS

	constante			varaivel		
	soma	or	mult	soma	or	mult
char	273,97	1923,07	225,73	264,55	769,23	219,70
int	387,59	8333,33	257,06	371,74	709,21	242,71
float	136,05	xxxxxxx	134,95	131,92	xxxxxx	132,45

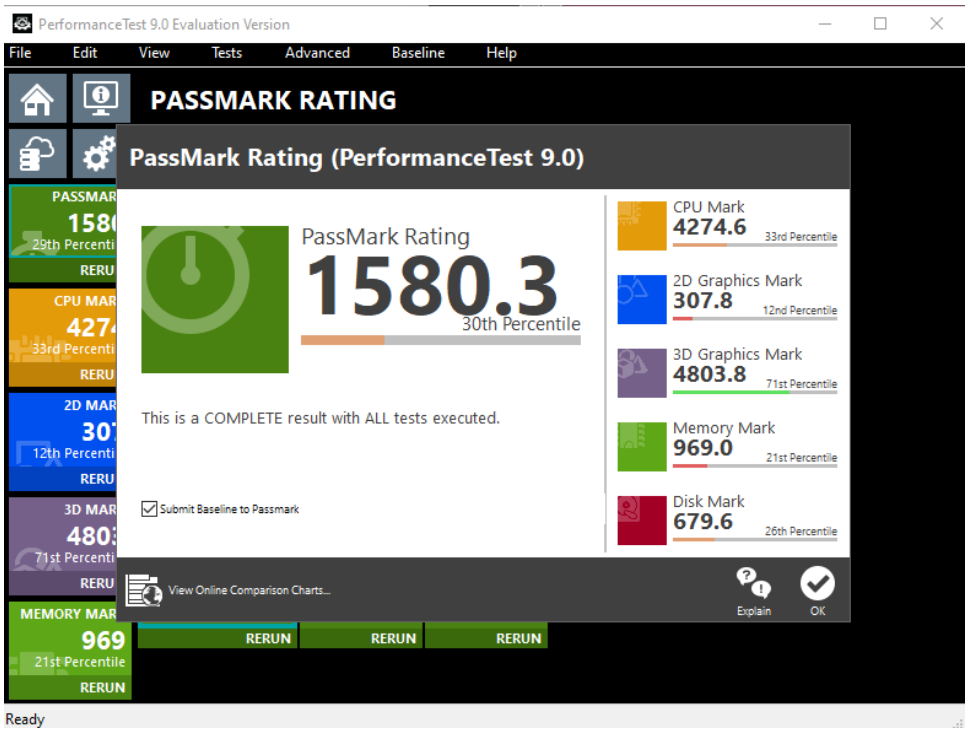
CPI

	constante			varaivel		
	soma	or	mult	soma	or	mult
char	12.85608	1.81662	15.476205	13.20543	2.724930	15.895425
int	9.048165	0.41922	13.589715	9.397515	4.925835	14.393220
float	25.67722	xxxxxxx	258868350	26.48073	xxxxxxxx	27.074625

Teste Programa em C



Teste app Benchmark



- SpeedUp em grupo – Igor Franco(maquina padrao), Thiago Teixeira Oliveira, Luis Fellyp Madeira Euzébio e Lacerda

Identificação da máquina (processador, frequência de clock, SO e Compilador usado)	Prog. em C		Performance Test	
	Speed up (inteiros)	Speed up (FP)	Speed up (inteiros)	Speed up (FP)
[redacted] Ryzen 3 2200G 3493,5 MHz Windows 10 Pro GCC	1	1	1	1
Apple Silicon M1 3500 MHz MacOS 13.0 GCC	4,4864	1,7422	3,6434	7,8501
~~Ryzen 5 5600H~~ 3294.1 MHz Windows 11 ~~GCC~~			10,0926	7,9062