1/Main.py	m
jeto-Fina	1136 2554 2554 2554 2552 2552 2553 2646 2646
BB/Pro	1 -0.602136 -0.099554 -1.629283 2.344976 0.051938 1.045445 1.678007 1.412450 -0.315562 1.412450 0.051938 0.051938 0.051938 0.051938 0.051938 0.051938
1b/Projeto	1.000461 -1.823004 -1.144853 1.424193 0.060401 -0.555069 0.211623 0.089320 0.089320 0.089320 -0.678390 0.060401 0.060401 -2.319361 -1.522844 -0.069791 -0.341789
Z:/Documentos/GitHub/ProjetoBB/Projeto-Final/Main.py g data	-0.544930 -0.632593 -1.635928 2.058468 0.056977 0.714792 1.405558 -0.585366 1.687584 -0.239485 0.056977 -1.395212 0.056977 0.056977 0.056977 0.056977
l 🛱	scolhidos: 6 -0.642495 - 6 -0.584208 - 7 -1.650731 - 7 2.313034 - 6 0.052996 - 9 1.643991 - 0 -0.423061 - 2 1.501357 - 1 -0.194980 - 6 0.052996 - 6 0.052996 - 6 0.052996 - 7 -1.995409 - 7 -1.995409 - 8 0.010991 - 9 0.010991 - 5 -0.004540
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ta\Anaconda3\; WIll be used leitura x Vout	eros alea 5 0.517669 1.662958 1.268932 1.449399 0.057827 0.106638 0.142666 0.350404 0.551231 0.057827 0.057827 0.057827 0.057827 0.057827 0.057827 0.057827 0.057827
C:\ProgramData\Anaconda3\python.exe Found Numpy. Will be used for stori Começando a leitura leu saída: tempo x Vout	amples dos núm 4 -0.137454 -1.539589 - -1.433088 - 1.380453 0.054706 0.054706 -0.586835 - 1.501752 -0.499999 - 0.054706 2 -2.524217 - 3 -1.500885 - 4 -0.051206 - 5 -0.575273 - 6 0.249173
1 C:\P 2 Foun 3 Come 4 1eu 5 6 saíd 7	1

0.051938	0.051938	0.051938	-0.891671	0.080347	0.174081	2.344976	0.051938	0.00000.0	1.832341	-0.389377	0.051938	-0.891671	•	0.051938	-1.804400	-0.261677	-2.594151	-0.586705	-0.711398	-0.389377	-1.850553	0.167991	-0.602136	1.832341	0.077712	0.080347	0.051938	-0.012646
0.060401	0.060401	0.060401	0.034575	0.170754	-1.369099	1.424193	0.060401	0.00000.0	1.385033	.13745	0.060401	0.034575	•	0.060401	-0.625504	0.908478	-1.325449	1.148626	-1.606296	0.137459	-2.319361	-0.069791	1.000461	1.385033	0.085774	0.170754	0.060401	0.287508
0.056977	0.056977	0.056977	-0.250820	0.302383	-0.235735	2.058468	0.056977	0.000000	1.629483	0.002375	0.056977	-0.250820	•	0.056977	-2.092768	0.135886	-2.346877	-0.199527	-1.604432	0.002375	-2.045378	0.063752	-0.544930	1.629483	0.082659	0.302383	0.056977	0.143149
0.052996	0.052996	0.052996	-0.848478	0.111932	0.006616	2.313034	0.052996	0.00000.0	1.745133	-0.345803	0.052996	-0.848478	•	0.052996	-1.824206	-0.247473	-2.453635	-0.231639	-0.721665	-0.345803	-1.995409	0.147774	-0.642495	1.745133	0.078648	0.111932	0.052996	-0.004540
0.064666	0.064666	0.064666	-0.664097	0.195817	0.090509	1.749187	0.064666	0.000000	1.669140	-0.171335	0.064666	-0.664097	•	0.064666	-1.957430	-0.023243	-2.143924	-0.000548	-1.123076	-0.171335	-2.169642	0.039623	-0.607186	1.669140	0.090293	0.195817	0.064666	0.049375
0.057827	.05782	0.057827	0.009218	m	-1.231651	1.449399	. 05	00	რ.	.06188	0.057827	0.009218	:	782	-0.915664	œ.	-1.538045	0.773894	0.	0.061889	.5	-0.012934	5	1.389296	0.083407	.23858	.05782	0.282492
0.054706	0.054706	0.054706	-0.064194	0.338399	-0.736964	1.380453	0.	0.00000.0	4.	.01	0.054706	-0.064194	:	0.054706	-1.608461	.49372	-1.504697	83908	. 7	0.013919	-2.524217	-0.051206	-0.137454	1.467197	∞	0.338399	0.054706	0.249173
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	30				34			37		39	40	41	42		44		46		48			51			54	52	56	

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0.051938	0.051938	0.051938	1.832341	0.051938	-0.354817	0.051938	0.051938	0.270926	0.371670	-0.012646	0.051938	-0.099554	0.051938	0.017183	3292	0.588397	1.723797	-1.723864	1.903958	-0.005040	0.904269	-0.321480	0.355009	-0.910261	0.201915	-0.005040	-0.005040
0.060401	0.060401	0.060401	1.385033	-0.141558	-1.376749	0.060401	0.060401	0.454636	-0.163982	0.287508	0.060401	-1.823004	-0.039621	0.731082	3291	0.496678	1.621566	-1.731895	1.920495	-0.025743	0.750194	0.297002	0.628645	-0.670572	0.135922	-0.025743	-0.025743
0.056977	0.056977	0.056977	1.629483	0.056977	-0.841382	0.056977	0.056977	0.765662	0.871613	0.143149	0.056977	-0.632593	0.056977	0.504645	3290	0.578264	1.762360	-1.643591	1.845889	-0.005519	0.614349	-0.644683	0.139677	-0.920853	0.245126	-0.005519	-0.005519
0.052996	0.052996	0.052996	1.745133	0.052996	-0.608432	0.052996	0.052996	0.661503	0.390160	-0.004540	0.052996	-0.584208	0.052996	0.042930	•	•	•	:	•	•	•	•	•	•	•	:	:
0.064666	0.064666	0.064666	1.669140	0.064666	-0.579840	0.064666	0.064666	0.656393	0.702466	0.049375	0.064666	-0.904044	0.064666	0.310178	o	-0.614529	-0.726344	-1.506318	1.858517	0.050531	0.664688	1.572699	-0.467634	1.581732	-0.389197	0.050531	0.050531
.05782		.05782	.38929	.08858	.38572	.057	.05782	.7565	. 62754	24	.05782	629	•	587	∞	802	95	. 6494	.09697	0.058972	. 79337	.67183	.54733	.57276	-0.230870	.05897	5897
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-0.383328 -0.617379 -0.611181	-1.116172 -1.210127 -1.184460	0.568422 0.459395 0.551222	-0.210681 0.253968 -0.086921	-1.417120 -1.833313 -1.603151	-0.005519 -0.025743 -0.005040	-0.005519 -0.025743 -0.005040	-0.005519 -0.025743 -0.005040	0.769700 -0.282592 0.125926	-1.859782 -1.980144 -2.009284	1.121708 1.391794 1.244039	1.845889 1.920495 1.903958	-0.005519 -0.025743 -0.005040	0.00000 0.00000 0.000000	1.463471 1.340449 1.472366	-0.301234 -0.916412 -0.641590	-0.005519 -0.025743 -0.005040	0.769700 -0.282592 0.125926		-0.005519 -0.025743 -0.005040	0.653736 1.191667 0.934471	-0.005519 -0.025743 -0.005040	-1.362526 -1.488551 -1.480201	-1.919358 -1.686331 -1.659363	-0.475975 0.114804 -0.449209	-0.301234 -0.916412 -0.641590	-0.383328 -0.617379 -0.611181	0.568422 0.459395 0.551222	0.578264 0.496678 0.588397
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-2.067829	-1.488689	0.040475	-0.072963	0.024631	0.050531	0.050531	0.050531	-0.655391	0.154953	-0.082445	1.858517	0.050531	0.00000.0	1.484902	-0.167103	0.050531	-0.655391	•	0.050531	-2.056029	0.054597	-2.258936	0.082765	-1.433375	-0.167103	0.	0.040475	-0.614529
-2.013177	. 38	m	.10	2721	.0589	.05897	.05897	179	.14360	.07066	9697	. 05	.00000	.75118	.37036	0.058972	9179	•	5897	102	9	9	. 19	900	-0.370365	.01317	02	0
-2.072468	4	4267	.601	.29261	.047	.04710	. 04	.02047	0.346994	.7686	.95086	0.047103	.00000	∞	.001		2047	•	710	.30	0.485751	. 29	21	-1.841333		.0724	4267	-0.105138
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1.472366	0.023617	-2.009284	-0.005040	-1.603151	-0.005040	-0.005040	-0.005040	1.472366	-0.005040	1.409606	-0.005040	-0.005040	-1.079309	-0.005040	-1.603151	-0.005040	1.723797	-0.005040	-0.005040		3299	0.617435	1.711274	-1.793150	2.006954	-0.015609	0.696512	-0.161036
1.340449	0.002356	-1.980144	-0.025743	-1.833313	-0.025743	-0.025743	-0.025743	1.340449	-0.025743	1.415951	-0.025743	-0.025743	-1.101028	-0.025743	-1.833313	-0.025743	1.621566	-0.025743	-0.025743		3298	0.615039	1.748958	-1.685526	1.869918	-0.007868	0.706142	-0.411813
1.463471	0.022944	-1.859782	-0.005519	-1.417120	-0.005519	-0.005519	-0.005519	1.463471	-0.005519	1.409659	-0.005519	-0.005519	-1.142787	-0.005519	-1.417120	-0.005519	1.762360	-0.005519	-0.005519		3297	0.547689	1.493630	-1.698744	1.923657	-0.001403	1.114219	0.040417
:	:	:	:	:	:	:	:	:	:	:	:	:	:	•	:	:	:	:	:		3296	0.612639	1.624778	-1.751360	1.926280	-0.019184	0.607772	0.002671
1.484902	0.076350	0.154953	0.050531	0.024631	0.050531	0.050531	0.050531	1.484902	0.050531	-0.768721	0.050531	0.050531	0.794930	0.754904	0.024631	0.050531	-0.726344	0.050531	0.377331		3295	0.559518	1.611034	-1.747904	1.956706	-0.017056	0.763279	0.184658
1.751188	0.084489	0.143601	0.058972	2	.05897	0.	. 05		0.058972		0.058972	•	0.467628	$^{\circ}$	0.027212		4.	0.058972			3294	0.596846	1.458276	-1.656345	. 84	_•	1.130513	
1.543891	0.072504	0.346994	0.047103	0.292612	.04710	0.047103	0.047103	1.543891	0.047103	-1.243292	0.047103	.04710	0.951827	0.975104	0.292612	471	.75074	0.047103	0.868915		3293	0.596570	1.608951	-1.707238	1.922166	_•	238	-0.381065
16 10	17 10	18 10	19 10	20 10	21 10	22 10	23 11	24 11	25 11	26 11	\sim	28 11	29 11	30 11	31 11	132 119	33 12	34 12	35 12	\sim	\sim	38	39	40	41	42	143 5	44

0.476292	-0.931327	0.021805	-0.015609	-0.015609	-0.525147	-1.285644	0.437086	-0.025027	-1.634160	-0.015609	-0.015609	-0.015609	0.175148	-2.034944	1.308274	2.006954	-0.015609	0.00000	1.367658	-0.669684	-0.015609	0.175148	•	-0.015609	0.933416	-0.015609	-1.431662	-1.765807
0.268138	-0.937775	0.189377	-0.007868	-0.007868	-0.537078	-1.159837	0.531419	-0.160684	-1.526271	-0.007868	-0.007868	-0.007868	0.388000	-1.986299	1.225624	1.869918	-0.007868	0.00000.0	1.501130	-0.543538	-0.007868	0.388000	•	-0.007868	0.843494	-0.007868	-1.431346	-1.712315
0.507003	-0.810849	71	-0.001403	-0.001403	-0.715322	-1.175092	0.550547	0.087486	-1.789183	-0.001403	-0.001403	-0.001403	-0.047870	-1.958574	1.323508	1.923657	-0.001403	0.00000.0	1.393942	-0.800582	-0.001403	-0.047870	•	-0.001403	1.043103	-0.001403	-1.538084	-1.619795
0.429573	-0.874697	0.086324	-0.019184	-0.019184	-0.557490	-1.234848	0.436597	-0.072028	-1.578668	-0.019184	-0.019184	-0.019184	0.411323	-1.993193	1.357277	1.926280	-0.019184	0.00000.0	1.376339	-0.496078	-0.019184	0.411323	•	-0.019184	0.818909	-0.019184	-1.475165	-1.832672
0.608972	-0.778310	0.060392	-0.017056	-0.017056	-0.554160	-1.228006	0.414369	0.127315	-1.730352	-0.017056	-0.017056	-0.017056	-0.045962	-2.039651	1.394097	1.956706	-0.017056	.00000	1.351581	-0.753770	-0.017056	-0.045962	•	-0.017056	1.076436	-0.017056	-1.470294	-1.834499
.35282		. 28	0317	.00317	. 70	0373	.65123	.114	. 680	.003		.003	.075	. 99993	.214		.00317		.520	. 783	0.003170	-0.075638	•	00.	.04561	0.003170	.513	-1.633820
0.315716	-0.916476	0.208069	.00606	00.	•	-1.177889	. 55	.122		00.	•		.419	.9921	.210	0	.00606	0000	.395	.5310	0.	0.419662	•	090	က	-0.006067	908	-1.645897
			48 1	49 1	50 1	51 1	52 1	53 1	54 1	55 1	56 1	57 1	<pre>58</pre>	<pre>59</pre>	6 0 2	9	6 2 2	6 3 2	64 2	6 5 2	66 2	67 2		6 69	70 9	171 95	72 9	73 9

174	86	-0.523112	-0.188661	-0.078322	-0.431648	-0.211892	-0.590305	-0.458243
175	66	-0.531092	-0.783706	-0.753770	-0.496078	-0.800582	-0.543538	-0.669684
176	100	-0.665672	-0.707297	-0.554160	-0.557490	-0.715322	-0.537078	-0.525147
177	101	0.558660	0.651236	0.414369	0.436597	0.550547	0.531419	0.437086
178	102	0.596570	0.596846	0.559518	0.612639	0.547689	0.615039	0.617435
179	103	1.395352	1.520419	1.351581	1.376339	1.393942	1.501130	1.367658
180	104	0.022871	0.031793	0.011137	0.009033	0.027262	0.020616	0.012929
181	105	-1.992165	-1.999939	-2.039651	-1.993193	-1.958574	-1.986299	-2.034944
182	106	-0.006067	0.003170	-0.017056	-0.019184	-0.001403	-0.007868	-0.015609
183	107	-1.534666	-1.680464	-1.730352	-1.578668	-1.789183	-1.526271	-1.634160
184	108	-0.006067	0.003170	-0.017056	-0.019184	-0.001403	-0.007868	-0.015609
185	109	-0.006067	0.003170	-0.017056	-0.019184	-0.001403	-0.007868	-0.015609
186	110	-0.006067	0.003170	-0.017056	-0.019184	-0.001403	-0.007868	-0.015609
187	111	1.395352	1.520419	1.351581	1.376339	1.393942	1.501130	1.367658
188	112	-0.006067	0.003170	-0.017056	-0.019184	-0.001403	-0.007868	-0.015609
189	113	1.384177	1.374207	1.438151	1.446366	1.384340	1.411921	1.416876
190	114	-0.006067	0.003170	-0.017056	-0.019184	-0.001403	-0.007868	-0.015609
191	115	-0.006067	0.003170	-0.017056	-0.019184	-0.001403	-0.007868	-0.015609
192	116	-0.978281	-0.933707	-1.093982	-1.178776	-0.838594	-1.131125	-1.134703
193	117	-0.006067	0.003170	-0.017056	-0.019184	-0.001403	-0.007868	-0.015609
194	118	-1.534666	-1.680464	-1.730352	-1.578668	-1.789183	-1.526271	-1.634160
195	119	-0.006067	0.003170	-0.017056	-0.019184	-0.001403	-0.007868	-0.015609
196	120	1.608951	1.458276	1.611034	1.624778	1.493630	1.748958	1.711274
197	121	-0.006067	0.003170	-0.017056	-0.019184	-0.001403	-0.007868	-0.015609
198	122	-0.006067	0.003170	-0.017056	-0.019184	-0.001403	-0.007868	-0.015609
199								

202 Variância total dos primeiros 2 componentes: 0.552606945184 201 Variância total dos primeiros 1 componentes: 0.330469098197

200 [123 rows x 3300 columns]':

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206 Variância total dos primeiros 6 componentes: 0.899966215427 207

204 Variância total dos primeiros 4 componentes: 0.801729226434 205 Variância total dos primeiros 5 componentes: 0.859966666594

203 Variância total dos primeiros 3 componentes: 0.727552848867

File - Main