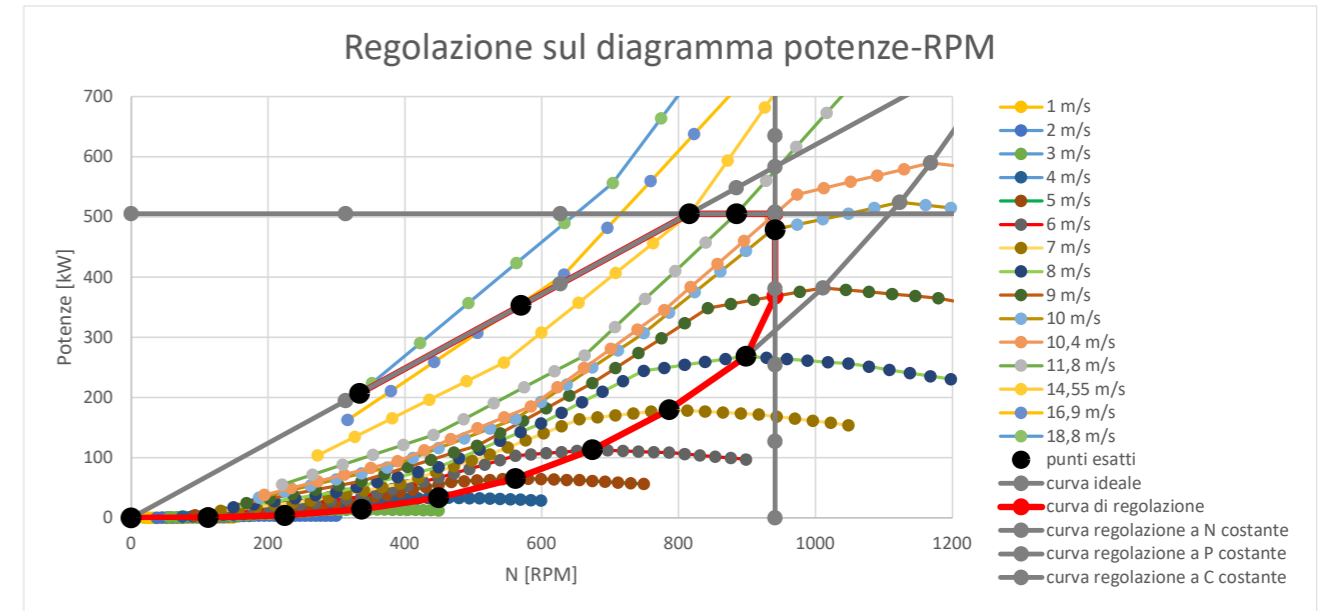
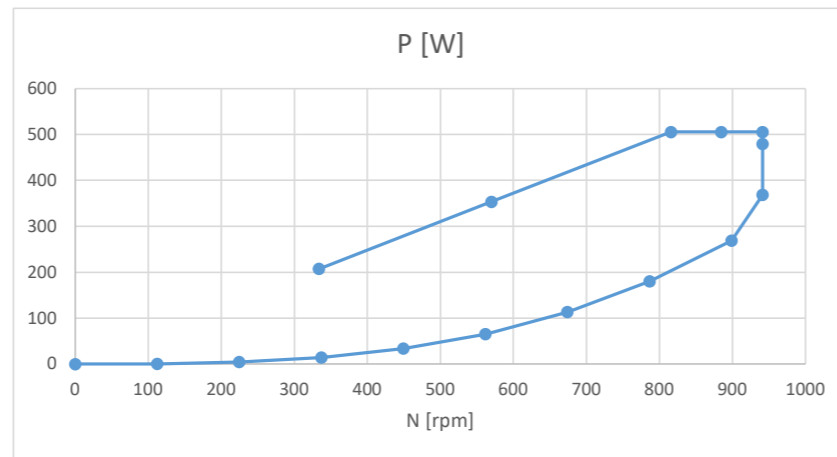


Curva di regolazione sul diagramma Potenza-RPM

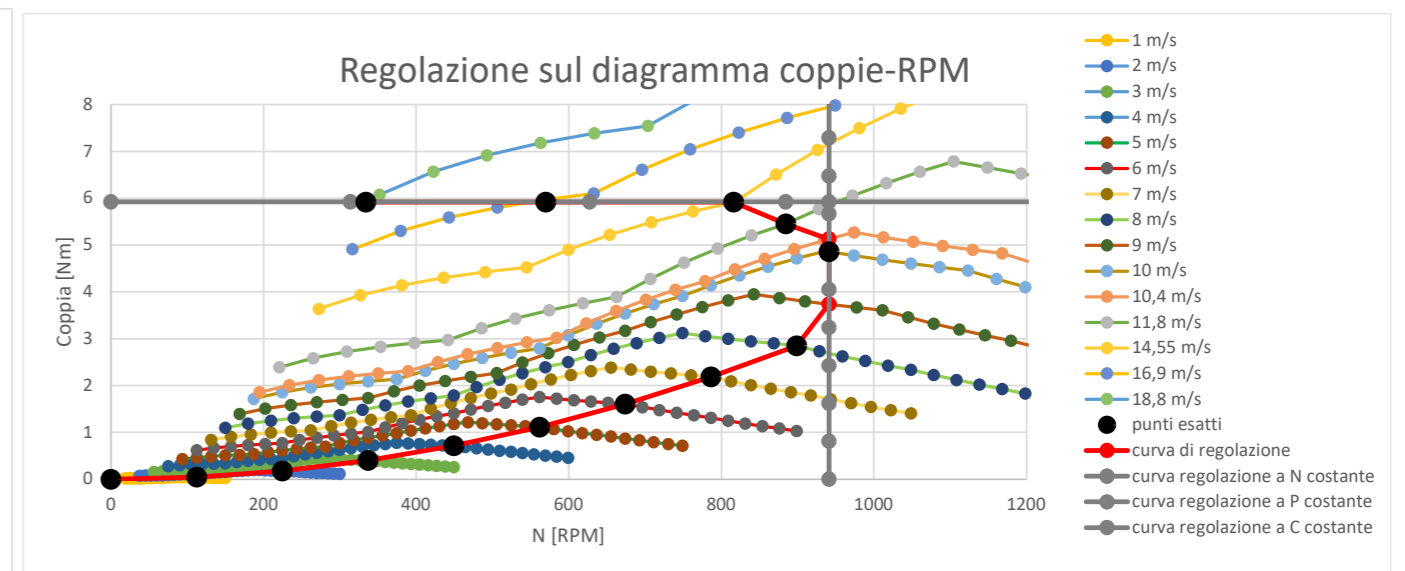
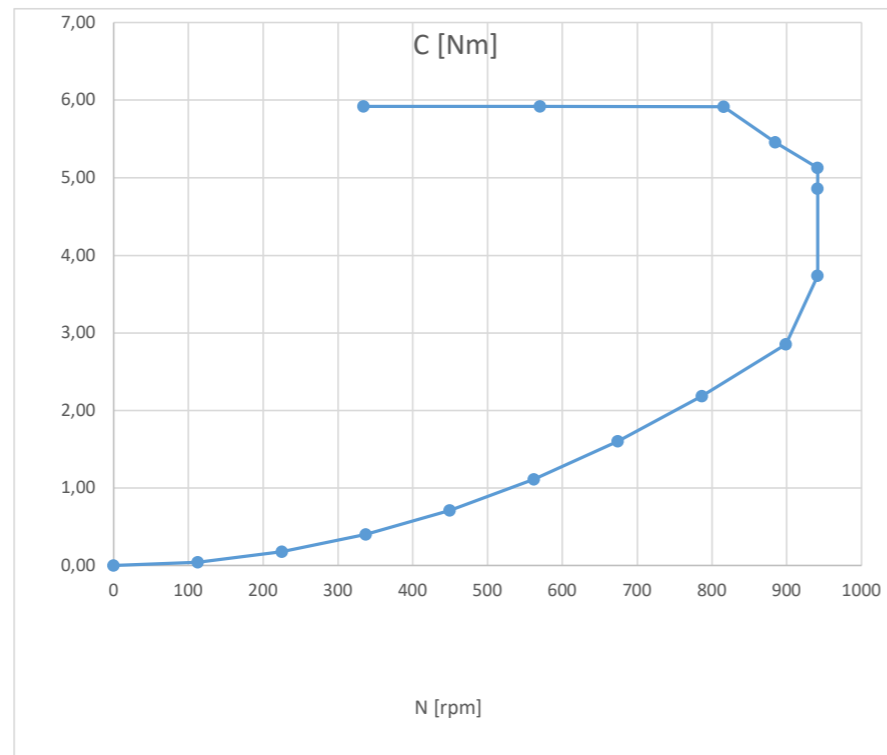
R= 0,51 m
rho= 1,225 kg/m3

N [rpm]	P [W]	V [m/s]	TSR, λ	Cp	w [rad/s]
0	0	0,0	6,0	#DIV/0!	0
112	1	1,0	6,0	1,047575	11,76471
225	4	2,0	6,0	1,047575	23,52941
337	14	3,0	6,0	1,047575	35,29412
449	34	4,0	6,0	1,047575	47,05882
562	66	5,0	6,0	1,047575	58,82353
674	113	6,0	6,0	1,047575	70,58824
786	180	7,0	6,0	1,047575	82,35294
899	268	8,0	6,0	1,047575	94,11765
941	369	9,0	5,6	1,010146	98,55977
941	479	10,0	5,0	0,957216	98,55977
941	505	10,4	4,8	0,897766	98,55977
885	505	11,8	4,0	0,612703	92,64618
816	505	14,5	3,0	0,329808	85,41847
570	353	16,9	1,8	0,145955	59,69026
334	207	18,9	0,9	0,061279	34,9764



Curva di regolazione sul diagramma Coppia-RPM

N [rpm]	C [Nm]	V [m/s]	TSR, λ
0	0,00	0,0	6,0
112	0,04	1,0	6,0
225	0,18	2,0	6,0
337	0,40	3,0	6,0
449	0,71	4,0	6,0
562	1,11	5,0	6,0
674	1,60	6,0	6,0
786	2,18	7,0	6,0
899	2,85	8,0	6,0
941	3,74	9,0	5,6
941	4,86	10,0	5,0
941	5,13	10,4	4,8
885	5,46	11,8	4,0
816	5,92	14,5	3,0
570	5,92	16,9	1,8
334	5,92	18,9	0,9



		rho		1,225 kg/m3		R		0,51 m																											
		A		0,817128 m2		R		0,51 m																											
		V		V		V		V																											
		0		1 m/s		2 m/s		3 m/s		4 m/s		5 m/s		6 m/s		7 m/s		8 m/s		9 m/s		10 m/s		10,4 m/s		11,8 m/s		14,55 m/s		16,9 m/s		18,8 m/s			
λ	Cp	N	PO [W]	N	P1 [W]	N	P2 [W]	N	P3 [W]	N	P4 [W]	N	P5 [W]	N	P6 [W]	N	P7 [W]	N	P8 [W]	N	P9 [W]	N	P10 [W]	N	P10.4[W]	N	P11 [W]	N	P11 [W]	N	P15 [W]	N	P15 [W]	N	P37.5 [W]
1	0,067324	0	0	18,72411	0,033695	37,44822	0,269562	56,17233	0,909771	74,89644	2,156493	93,62055	4,211901	112,3447	7,278164	131,0688	11,55746	149,7929	17,25195	168,517	24,5638	187,2411	33,69521	194,7308	37,90252	220,9445	55,36230119	272,4358	103,7904	316,4375	162,6403	352,0133	223,8936		
1,2	0,087325	0	0	22,46893	0,043705	44,93787	0,349641	67,4068	1,18004	89,87573	2,797132	112,3447	5,463148	134,8136	9,440319	157,2825	14,99088	179,7515	22,37705	202,2204	31,86108	224,6893	43,70518	233,6769	49,16239	265,1334	71,8090128	326,923	134,6238	379,725	210,9566	422,4159	290,4066		
1,4	0,107325	0	0	26,21376	0,053715	52,42751	0,429721	78,64127	1,450309	104,855	3,43777	131,0688	6,714395	157,2825	11,60247	183,4963	18,4243	209,71	27,50216	235,9238	39,15835	262,1376	53,71516	272,6231	60,42225	309,3223	88,25572441	381,4101	165,4573	443,0125	259,2728	492,8186	356,9196		
1,6	0,127325	0	0	29,95858	0,063725	59,91716	0,509801	89,87573	1,720579	119,8343	4,078409	149,7929	7,965642	179,7515	13,76463	209,71	21,85772	239,6686	32,62727	269,6272	46,45562	299,5858	63,72514	311,5692	71,68211	353,5112	104,702436	435,8973	196,2907	506,3	307,5891	563,2213	423,4326		
1,8	0,147326	0	0	33,7034	0,073735	67,4068	0,589881	101,1102	1,990848	134,8136	4,719047	168,517	9,216889	202,2204	15,92678	235,9238	25,29114	269,6272	37,75238	303,3306	53,7529	337,034	73,73511	350,5154	82,94197	397,7001	121,1491476	490,3845	227,1242	569,5875	355,9053	633,6239	489,9456		
2	0,167326	0	0	37,44822	0,083745	74,89644	0,669961	112,3447	2,261117	149,7929	5,359686	187,2411	10,46814	224,6893	18,08894	262,1376	28,72457	299,5858	42,87749	337,034	61,05017	374,4822	83,74509	389,4615	94,20183	441,889	137,5958592	544,8716	257,9576	632,875	404,2215	704,0266	556,4586		
2,2	0,199548	0	0	41,19304	0,099872	82,38609	0,798977	123,5791	2,696547	164,7722	6,391815	205,9652	12,48401	247,1583	21,57238	288,3513	34,25613	329,5444	51,13452	370,7374	72,80677	411,9304	99,87211	428,4077	112,3425	486,0779	164,0930782	599,3588	307,6332	696,1624	482,0636	774,4292	663,6174		
2,4	0,231771	0	0	44,93787	0,115999	89,87573	0,927993	134,8136	3,131977	179,7515	7,423945	224,6893	14,49989	269,6272	25,05581	314,5651	39,7877	359,5029	59,39156	404,4408	84,56337	449,3787	115,9991	467,3538	130,4833	530,2668	190,5902972	653,846	357,3088	759,4499	559,9057	844,8319	770,7762		
2,6	0,263993	0	0	48,68269	0,132126	97,36538	1,057009	146,0481	3,567406	194,7308	8,456075	243,4134	16,51577	292,0961	28,53925	340,7788	45,31927	389,4615	67,6486	438,1442	96,31997	486,8269	132,1262	506,3	148,624	574,4557	217,0875162	708,3331	406,9844	822,7374	637,7478	915,2345	877,935		
2,8	0,296215	0	0	52,42751	0,148253	104,855	1,186026	157,2825	4,002836	209,71	9,488204	262,1376	18,53165	314,5651	32,02269	366,9926	50,85084	419,4201	75,90563	471,8476	108,0766	524,2751	148,2532	545,2461	166,7647	618,6446	243,5847352	762,8203	456,6601	886,0249	715,5898	985,6372	985,0938		
3	0,328438	0	0	56,17233	0,16438	112,3447	1,315042	168,517	4,438266	224,6893	10,52033	280,8617	20,54753	337,034	35,50613	393,2063	56,38241	449,3787	84,16267	505,551	119,8332	561,7233	164,3802	584,1923	184,9054	662,8335	270,0819542	817,3074	506,3357	949,3124	793,4319	1056,04	1092,253		
3,2	0,385365	0	0	59,91716	0,192872	119,8343	1,542972	179,7515	5,207531	239,6686	12,34378	299,5858	24,10894	359,5029	41,66025	419,4201	66,15493	479,3372	98,75022	539,2544	140,6033	599,1716	192,8715	623,1384	216,9542	707,0224	316,8940729	871,7946	594,0966	1012,6	930,954	1126,443	1281,568		
3,4	0,442291	0	0	63,66198	0,221363	127,324	1,770903	190,9859	5,976796	254,6479	14,16722	318,3099	27,67035	381,9719	47,81437	445,6338	75,92745	509,2958	113,3378	572,9578	161,3735	636,6198	221,3628	662,0846	249,0031	751,2113	363,7061916	926,2818	681,8575	1075,887	1068,476	1196,845	1470,883		
3,6	0,499218	0	0	67,4068	0,249854	134,8136	1,998833	202,2204	6,746061	269,6272	15,99066	337,034	31,23176	404,4408	53,96849	471,8476	85,69996	539,2544	127,9253	606,6612	182,1437	674,068	249,8541	701,0307	281,0519	795,4002	410,5183103	980,7689	769,6185	1139,175	1205,998	1267,248	1660,199		
3,8	0,556145	0	0	71,15162	0,278345	142,3032	2,226763	213,4549	7,515326	284,6065	17,81411	355,7581	34,79318	426,9097	60,12261	498,0614	95,47248	569,213	142,5129	640,3646	202,9138	711,5162	278,3454	739,9769	313,1007	839,5891	457,330429	1035,256	857,3794	1202,462	1343,52	1337,65	1849,514		
4	0,613071	0	0	74,89644	0,306837	149,7929	2,454694	224,6893	8,284591	299,5858	19,63755	374,4822	38,35459	449,3787	66,27673	524,2751	105,245	599,1716	157,1004	674,068	223,684	748,9644	306,8367	778,923	345,1496	883,778	504,1425477	1089,743	945,1404	1265,75	1481,042	1408,053	2038,829		
4,2	0,681407	0	0	78,64127	0,341038	157,2825	2,728307	235,9238	9,208035	314,5651	21,82645	393,2063	42,62979	471,8476	73,66428	550,4889	116,9762	629,1301	174,6116	707,7714	248,617	786,4127	341,0383	817,8692	383,6218	927,9669	560,3369136	1144,23	1050,491	1329,037	1646,127	1478,456	2266,088		
4,4	0,749744	0	0	82,38609	0,37524	164,7722	3,00192	247,1583	10,13148	329,5444	24,01536	411,9304	46,905	494,3165	81,05183	576,7026	128,7073	659,0887	192,1229	741,4748	273,5499	823,8609	375,24	856,8153	422,0939	972,1558	616,5312795	1198,718	1155,841	1392,325	1811,212	1548,858	2493,347		
4,6	0,81808	0	0	86,13091	0,409442	172,2618	3,275533	258,3927	11,05492	344,5236	26,20426	430,6546	51,1802	516,7855	88,43938	602,9164	140,4385	689,0473	209,6341	775,1782	298,4829	861,3091	409,4416	895,7615	460,5661	1016,345	672,7256455	1253,205	1261,191	1455,612	1976,296	1619,261	2720,605		
4,8	0,886416	0	0	89,87573	0,443643	179,7515	3,549146	269,6272	11,97837	359,5029	28,39317	449,3787	55,4554	539,2544	95,82694	629,1301	152,1696	719,0059	227,1453	808,8816	323,4159	898,7573	443,6432	934,7076	499,0383	1060,534	728,9200114	1307,692	1366,542	1518,9	2141,381	1689,664	2947,864		
5	0,954752	0	0	93,62055	0,477845	187,2411	3,822759	280,8617	12,90181	374,4822	30,58207	468,1028	59,73061	561,7233	103,2145	655,3439	163,9008	748,9644	244,6566	842,585	348,3489	936,2055	477,8448	973,6538	537,5105	1104,723	785,1143773	1362,179	1471,892	1582,187	2306,466	1760,066	3175,122		
5,2	0,973317	0	0	97,36538	0,487136	194,7308	3,89709	292,0961	13,15268	389,4615	31,17672	486,8269	60,89204	584,1923	105,2214	681,5576	167,0878	778,923	249,4138	876,2884	355,1224	973,6538	487,1363	1012,6	547,9621	1148,911	800,3805482	1416,666	1500,512	1645,475	2351,314	1830,469	3236,861		
5,4	0,991881	0	0	101,1102	0,496428	202,2204	3,971422	303,3306	13,40355	404,4408	31,77138	505,551	62,05347	606,6612	107,2284	707,7714	170,2747	808,8816	254,171	909,9918	361,8958	1011,102	496,4278	1051,546	558,4137	1193,1	815,6467191	1471,153	1529,132	1708,762	2396,162	1900,872	3298,6		
5,6	1,010446	0	0	104,855	0,505719	209,71	4,045754	314,5651	13,65442	419,4201	32,36603	524,2751	63,2149	629,1301	109,2354	733,9851	173,4617	838,8402	258,9282	943,6693	368,6693	1048,55	505,7192	1090,492	568,8654	1237,289	830,9128899	1525,641	1557,752	1772,05	2441,01	1971,274	3360,338		
5,8	1,029011	0	0	108,5998	0,515011	217,1997	4,120086	325,7995	13,90529	434,3994	32,96068	542,9992	64,37634	651,5991	111,2423	760,1989	176,6487	868,7987	263,6855	977,3986	375,4428	1085,998	515,0107	1129,438	579,317	1281,478	846,1790608	1580,128	1586,373	1835,337	2485,858	2041,677	3422,077		
6	1,047575	0	0	112,3447	0,524302	224,6893	4,194417	337,034	14,15616	449,3787	33,55534	561,7233	65,53777	674,068	113,2493	786,4127	179,8356	898,7573	268,4427	1011,102	382,2163	1123,447	524,3022	1168,385	589,7686	1325,667	861,4452316	1634,615	1614,993	1898,625	2530,706	2112,08	3483,816		
6,2	1,038247	0	0	116,0895	0,519634	232,179	4,157069	348,2685	14,03011	464,358	33,25655	580,4474	64,9542	696,5369	112,2409	812,6264	178,2343	928,7159	266,0524	1044,805	378,8129	1160,895	519,6336	1207,331	584,5171	1369,856	853,7745859	1689,102	1600,612	1961,912	2508,172	2182,482	3452,795		
6,4	1,028919	0	0	119,8343	0,514965	239,6686	4,11972	359,5029	13,90405																										

		rho		1,225 kg/m3		R		0,51 m																									
		A		0,817128 m2		R		0,51 m																									
		V		V		V		V																									
		0		1 m/s		2 m/s		3 m/s		4 m/s		5 m/s		6 m/s		7 m/s		8 m/s		9 m/s		10 m/s		10,4 m/s		11,8 m/s		14,55 m/s		16,9 m/s		18,8 m/s	
λ	Cp	N	CO [Nm]	N	C1 [Nm]	N	C2 [Nm]	N	C3 [Nm]	N	C4 [Nm]	N	C5 [Nm]	N	C6 [Nm]	N	C7 [Nm]	N	C8 [Nm]	N	C9 [Nm]	N	C10 [Nm]	N	C10 [Nm]	N	C10.4 [Nm]	N	C11 [Nm]	N	C15 [Nm]	N	C37.5 [Nm]
1	0,067324	0	0	18,72411	0,017185	37,44822	0,068738	56,17233	0,154661	74,89644	0,274953	93,62055	0,429614	112,3447	0,618644	131,0688	0,842043	149,7929	1,099812	168,517	1,391949	187,2411	1,718455	194,7308	1,858681	220,9445	2,392777	272,4358	3,638013	316,4375	4,908081	352,0133	6,073709
1,2	0,072771	0	0	22,46893	0,018575	44,93787	0,074299	67,4068	0,167172	89,87573	0,297195	112,3447	0,464368	134,8136	0,668689	157,2825	0,91016	179,7515	1,188781	202,2204	1,504551	224,6893	1,85747	233,6769	2,00904	265,1334	2,586342	326,923	3,932311	379,725	5,305121	422,4159	6,565043
1,4	0,076661	0	0	26,21376	0,019568	52,42751	0,078271	78,64127	0,176109	104,855	0,313083	131,0688	0,489192	157,2825	0,704436	183,4963	0,958816	209,71	1,252331	235,9238	1,584981	262,1376	1,956766	272,6231	2,116439	309,3223	2,724602	381,4101	4,142524	443,0125	5,588721	492,8186	6,915995
1,6	0,079578	0	0	29,95858	0,020312	59,91716	0,08125	89,87573	0,182811	119,8343	0,324998	149,7929	0,50781	179,7515	0,731246	209,71	0,995307	239,6686	1,299993	269,6272	1,645303	299,5858	2,031239	311,5692	2,196988	353,5112	2,828297	435,8973	4,300183	506,3	5,801421	563,2213	7,17921
1,8	0,081848	0	0	33,7034	0,020892	67,4068	0,083566	101,1102	0,188025	134,8136	0,334266	168,517	0,52229	202,2204	0,752098	235,9238	1,023689	269,6272	1,337063	303,3306	1,692221	337,034	2,089161	350,5154	2,259637	397,7001	2,908948	490,3845	4,422807	569,5875	5,966854	633,6239	7,383932
2	0,083663	0	0	37,44822	0,021355	74,89644	0,08542	112,3447	0,192195	149,7929	0,34168	187,2411	0,533875	224,6893	0,76878	262,1376	1,046395	299,5858	1,36672	337,034	1,729755	374,4822	2,1355	389,4615	2,309757	441,889	2,97347	544,8716	4,520906	632,875	6,099201	704,0266	7,54771
2,2	0,090704	0	0	41,19304	0,023152	82,38609	0,092609	123,5791	0,20837	164,7222	0,370435	205,9652	0,578804	247,1583	0,833478	288,3513	1,134456	329,5444	1,481739	370,7374	1,875326	411,9304	2,315217	428,4077	2,504139	486,0779	3,223708	599,3588	4,901373	696,1624	6,612492	774,4292	8,182904
2,4	0,096571	0	0	44,93787	0,02465	89,87573	0,098599	134,8136	0,221848	179,7515	0,394397	224,6893	0,616245	269,6272	0,887393	314,5651	1,207841	359,5029	1,577588	404,4408	1,996635	449,3787	2,464982	467,3538	2,666124	530,2668	3,432241	653,846	5,218428	759,4499	7,040234	844,8319	8,712231
2,6	0,101536	0	0	48,68266	0,025917	97,36538	0,103668	146,0481	0,233253	194,7308	0,414673	243,4134	0,647926	292,0961	0,933014	340,7788	1,269936	389,4615	1,658692	438,1442	2,099281	486,8269	2,591706	506,3	2,803189	574,4557	3,608691	708,3331	5,486705	822,7374	7,40217	915,2345	9,160124
2,8	0,105791	0	0	52,42751	0,027003	104,855	0,108013	157,2825	0,243029	209,71	0,432052	262,1376	0,675081	314,5651	0,972117	366,9926	1,32316	419,4201	1,728209	471,8476	2,187264	524,2751	2,700326	545,2461	2,920673	618,6446	3,759934	762,8203	5,716658	886,0249	7,712401	985,6372	9,544032
3	0,109479	0	0	56,17233	0,027945	112,3447	0,111779	168,517	0,251502	224,6893	0,447114	280,8617	0,698616	337,034	1,006007	393,2063	1,369287	449,3787	1,788457	505,551	2,263516	561,7233	2,794464	584,1923	3,022492	662,8335	3,891011	817,3074	5,915949	949,3124	7,981268	1056,04	9,876752
3,2	0,120426	0	0	59,91716	0,030739	119,8343	0,122956	179,7515	0,27665	239,6686	0,491822	299,5858	0,768472	359,5029	1,1066	419,4201	1,506206	479,3372	1,967289	539,2544	2,489851	599,1716	3,07389	623,1384	3,324719	707,0224	4,280084	871,7946	6,507502	1012,6	8,779337	1126,443	10,86436
3,4	0,130086	0	0	63,66198	0,033204	127,324	0,132818	190,9859	0,29884	254,6479	0,531271	318,3099	0,830111	381,9719	1,195359	445,6338	1,627017	509,2958	2,125083	572,9578	2,689558	636,6198	3,320442	662,0846	3,59139	751,2113	4,623384	926,2818	7,029459	1075,887	9,483515	1196,845	11,73577
3,6	0,138672	0	0	67,4068	0,035396	134,8136	0,141584	202,2204	0,318564	269,6272	0,566336	337,034	0,8849	404,4408	1,274256	471,8476	1,734404	539,2544	2,265344	606,6612	2,867076	674,068	3,5396	701,0307	3,828431	795,4002	4,928539	980,7689	7,493422	1139,175	10,10945	1267,248	12,51036
3,8	0,146354	0	0	71,15162	0,037357	142,3032	0,149428	213,4549	0,336212	284,6065	0,59771	355,7581	0,933922	426,9097	1,344848	498,0614	1,830487	569,213	2,390841	640,3646	3,025908	711,5162	3,735689	739,9769	4,040521	839,5891	5,201573	1035,256	7,908546	1202,462	10,6695	1337,65	13,20342
4	0,153268	0	0	74,89644	0,039122	149,7929	0,156487	224,6893	0,352095	299,5858	0,625947	374,4822	0,978042	449,3787	1,408381	524,2751	1,916962	599,1716	2,503788	674,068	3,168856	748,9644	3,912168	778,923	4,231401	883,778	5,447303	1089,743	8,282158	1265,75	11,17354	1408,053	13,82717
4,2	0,16224	0	0	78,64127	0,041412	157,2825	0,165647	235,9238	0,372706	314,5651	0,662589	393,2063	1,035295	471,8476	1,490825	550,4889	2,029178	629,1301	2,650355	707,7714	3,354356	786,4127	4,14118	817,8692	4,4791	927,9669	5,766179	1144,23	8,766981	1329,037	11,82762	1478,456	14,63659
4,4	0,170396	0	0	82,38609	0,043494	164,7722	0,173975	247,1583	0,391444	329,5444	0,6959	411,9304	1,087343	494,3165	1,565774	576,7026	2,131192	659,0887	2,783598	741,4748	3,522992	823,8609	4,349372	856,8153	4,704281	972,1558	6,056066	1198,718	9,20773	1392,325	12,42224	1548,858	15,37242
4,6	0,177843	0	0	86,13091	0,045395	172,2618	0,181578	258,3927	0,408552	344,5236	0,726314	430,6546	1,134865	516,7855	1,634206	602,9164	2,224336	689,0473	2,905255	775,1782	3,676964	861,3091	4,539461	895,7615	4,909881	1016,345	6,320746	1253,205	9,610153	1455,612	12,96516	1619,261	16,04427
4,8	0,18467	0	0	89,87573	0,047137	179,7515	0,188548	269,6272	0,424234	359,5029	0,754193	449,3787	1,178427	539,2544	1,696935	629,1301	2,309718	719,0059	3,016774	808,8816	3,818104	898,7573	4,713709	934,7076	5,098348	1060,534	6,563369	1307,692	9,97904	1518,9	13,46282	1689,664	16,66013
5	0,19095	0	0	93,62055	0,04874	187,2411	0,194961	280,8617	0,438662	374,4822	0,779843	468,1028	1,218504	561,7233	1,754646	655,3439	2,388269	748,9644	3,119371	842,585	3,947954	936,2055	4,874017	973,6538	5,271737	1104,723	6,786582	1362,179	10,31842	1582,187	13,92068	1760,066	17,22673
5,2	0,187176	0	0	97,36538	0,047777	194,7308	0,191107	292,0961	0,429991	389,4615	0,764429	486,8269	1,194421	584,1923	1,719966	681,5576	2,341065	778,923	3,057717	876,2884	3,869923	973,6538	1012,6	5,167542	1148,911	6,652446	1416,666	10,11447	1645,475	13,64554	1830,469	16,88624	
5,4	0,183682	0	0	101,1102	0,046885	202,2204	0,187539	303,3306	0,421964	404,4408	0,750158	505,551	1,172121	606,6612	1,687854	707,7714	2,297357	808,8816	3,00063	909,9918	3,797672	1011,102	4,688485	1051,546	5,071065	1193,1	6,528246	1471,153	9,925639	1708,762	13,39078	1900,872	16,57098
5,6	0,180437	0	0	104,855	0,046057	209,71	0,184226	314,5651	0,414509	419,4201	0,736905	524,2751	1,151414	629,1301	1,658037	733,9851	2,256772	838,8402	2,947621	943,6952	3,730582	1048,55	4,605657	1090,492	4,981479	1237,289	6,412917	1525,641	9,750292	1772,05	13,15422	1971,274	16,27824
5,8	0,177416	0	0	108,5998	0,045285	217,1997	0,181142	325,7995	0,407569	434,3994	0,724567	542,9992	1,132136	651,5991	1,630275	760,1989	2,218986	868,7987	2,898267	977,3986	3,668119	1085,998	4,528542	1129,438	4,898071	1281,478	6,305542	1580,128	9,587037	1835,337	12,93397	2041,677	16,00568
6	0,174596	0	0	112,3447	0,044566	224,6893	0,178263	337,034	0,401091	449,3787	0,713051	561,7233	1,114142	67																			