







	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*	a																																																																																																																																																																																																																																																								
01	20.4	24.6	28.9	33.1	37.1	41.5	45.8	50.0	54.2	59.2	64.2	68.8	73.4	78.9	83.2	87.8	91.7	94.1	97.4	99.5	104.9	104.5	109.4	114.9	119.5	124.9	129.6	134.2	138.7	143.2	147.7	152.2	156.7	161.2	165.7	170.2	174.7	179.2	183.7	188.2	192.7	197.2	201.7	206.2																																																																																																																																																																																																																																																			
02	0.0	-8.2	-16.2	-24.2	-32.2	-40.2	-49.2	-57.2	-65.2	-83.2	-1.2	-10.2	-18.2	-26.2	-34.2	-42.2	-50.2	-58.2	-16.2	-57.2	-7.2	-24.2	-41.2	-52.2	-60.2	-70.2	-80.2	-88.2	-96.2	-104.2	-112.2	-120.2	-128.2	-136.2	-144.2	-152.2	-160.2	-168.2	-176.2	-184.2	-192.2	-200.2																																																																																																																																																																																																																																																					
03	0.4	4.2	8.5	12.7	17.6	21.9	25.2	29.4	33.5	39.5	0.1	11.0	14.1	18.1	22.1	26.1	30.1	34.1	38.1	42.1	46.1	50.1	54.1	58.1	62.1	66.1	70.1	74.1	78.1	82.1	86.1	90.1	94.1	98.1	102.1	106.1	110.1	114.1	118.1	122.1	126.1	130.1	134.1	138.1	142.1	146.1	150.1	154.1	158.1	162.1	166.1	170.1	174.1	178.1	182.1	186.1	190.1	194.1	198.1	202.1	206.1	210.1	214.1	218.1	222.1	226.1	230.1	234.1	238.1	242.1	246.1	250.1	254.1	258.1	262.1	266.1	270.1	274.1	278.1	282.1	286.1	290.1	294.1	298.1	302.1	306.1	310.1	314.1	318.1	322.1	326.1	330.1	334.1	338.1	342.1	346.1	350.1	354.1	358.1	362.1	366.1	370.1	374.1	378.1	382.1	386.1	390.1	394.1	398.1	402.1	406.1	410.1	414.1	418.1	422.1	426.1	430.1	434.1	438.1	442.1	446.1	450.1	454.1	458.1	462.1	466.1	470.1	474.1	478.1	482.1	486.1	490.1	494.1	498.1	502.1	506.1	510.1	514.1	518.1	522.1	526.1	530.1	534.1	538.1	542.1	546.1	550.1	554.1	558.1	562.1	566.1	570.1	574.1	578.1	582.1	586.1	590.1	594.1	598.1	602.1	606.1	610.1	614.1	618.1	622.1	626.1	630.1	634.1	638.1	642.1	646.1	650.1	654.1	658.1	662.1	666.1	670.1	674.1	678.1	682.1	686.1	690.1	694.1	698.1	702.1	706.1	710.1	714.1	718.1	722.1	726.1	730.1	734.1	738.1	742.1	746.1	750.1	754.1	758.1	762.1	766.1	770.1	774.1	778.1	782.1	786.1	790.1	794.1	798.1	802.1	806.1	810.1	814.1	818.1	822.1	826.1	830.1	834.1	838.1	842.1	846.1	850.1	854.1	858.1	862.1	866.1	870.1	874.1	878.1	882.1	886.1	890.1	894.1	898.1	902.1	906.1	910.1	914.1	918.1	922.1	926.1	930.1	934.1	938.1	942.1	946.1	950.1	954.1	958.1	962.1	966.1	970.1	974.1	978.1	982.1	986.1	990.1	994.1	998.1	0.0																											
04	21.1	25.5	29.9	33.4	37.8	42.2	46.7	51.1	55.5	59.9	63.3	66.8	70.2	73.6	77.0	80.4	83.8	87.2	90.6	94.0	97.4	100.8	104.2	107.6	111.0	114.4	117.8	121.2	124.6	128.0	131.4	134.8	138.2	141.6	145.0	148.4	151.8	155.2	158.6	162.0	165.4	168.8	172.2	175.6	179.0	182.4	185.8	189.2	192.6	196.0	199.4	202.8	206.2	209.6	213.0	216.4	219.8	223.2	226.6	230.0	233.4	236.8	240.2	243.6	247.0	250.4	253.8	257.2	260.6	264.0	267.4	270.8	274.2	277.6	281.0	284.4	287.8	291.2	294.6	298.0	301.4	304.8	308.2	311.6	315.0	318.4	321.8	325.2	328.6	332.0	335.4	338.8	342.2	345.6	349.0	352.4	355.8	359.2	362.6	366.0	369.4	372.8	376.2	379.6	383.0	386.4	389.8	393.2	396.6	399.0	402.4	405.8	409.2	412.6	416.0	419.4	422.8	426.2	429.6	433.0	436.4	439.8	443.2	446.6	450.0	453.4	456.8	460.2	463.6	467.0	470.4	473.8	477.2	480.6	484.0	487.4	490.8	494.2	497.6	501.0	504.4	507.8	511.2	514.6	518.0	521.4	524.8	528.2	531.6	535.0	538.4	541.8	545.2	548.6	552.0	555.4	558.8	562.2	565.6	569.0	572.4	575.8	579.2	582.6	586.0	589.4	592.8	596.2	599.6	603.0	606.4	609.8	613.2	616.6	620.0	623.4	626.8	630.2	633.6	637.0	640.4	643.8	647.2	650.6	654.0	657.4	660.8	664.2	667.6	671.0	674.4	677.8	681.2	684.6	688.0	691.4	694.8	698.2	701.6	705.0	708.4	711.8	715.2	718.6	722.0	725.4	728.8	732.2	735.6	739.0	742.4	745.8	749.2	752.6	756.0	759.4	762.8	766.2	769.6	773.0	776.4	780.8	784.2	787.6	791.0	794.4	797.8	801.2	804.6	808.0	811.4	814.8	818.2	821.6	825.0	828.4	831.8	835.2	838.6	842.0	845.4	848.8	852.2	855.6	859.0	862.4	865.8	869.2	872.6	876.0	879.4	882.8	886.2	889.6	893.0	896.4	899.8	903.2	906.6	910.0	913.4	916.8	920.2	923.6	927.0	930.4	933.8	937.2	940.6	944.0	947.4	950.8	954.2	957.6	961.0	964.4	967.8	971.2	974.6	978.0	981.4	984.8	988.2	991.6	995.0	998.4	0.0
05	23.2	28.6	33.0	37.4	41.8	46.2	50.6	55.0	59.4	63.8	68.2	72.6	77.0	81.4	85.8	90.2	94.6	99.0	103.4	107.8	112.2	116.6	121.0	125.4	129.8	134.2	138.6	143.0	147.4	151.8	156.2	160.6	165.0	169.4	173.8	178.2	182.6	187.0	191.4	195.8	200.2	204.6	209.0	213.4	217.8	222.2	226.6	231.0	235.4	239.8	244.2	248.6	253.0	257.4	261.8	266.2	270.6	275.0	279.4	283.8	288.2	292.6	297.0	301.4	305.8	310.2	314.6	319.0	323.4	327.8	332.2	336.6	341.0	345.4	349.8	354.2	358.6	363.0	367.4	371.8	376.2	380.6	385.0	389.4	393.8	398.2	402.6	407.0	411.4	415.8	420.2	424.6	429.0	433.4	437.8	442.2	446.6	451.0	455.4	459.8	464.2	468.6	473.0	477.4	481.8	486.2	490.6	495.0	499.4	503.8	508.2	512.6	517.0	521.4	525.8	530.2	534.6	539.0	543.4	547.8	552.2	556.6	561.0	565.4	569.8	574.2	578.6	583.0	587.4	591.8	596.2	600.6	605.0	609.4	613.8	618.2	622.6	627.0	631.4	635.8	640.2	644.6	649.0	653.4	657.8	662.2	666.6	671.0	675.4	679.8	684.2	688.6	693.0	697.4	701.8	706.2	710.6	715.0	719.4	723.8	728.2	732.6	737.0	741.4	745.8	750.2	754.6	759.0	763.4	767.8	772.2	776.6	781.0	785.4	789.8	794.2	798.6	803.0	807.4	811.8	816.2	820.6	825.0	829.4	833.8	838.2	842.6	847.0	851.4	855.8	860.2	864.6	869.0	873.4	877.8	882.2	886.6	891.0	895.4	900.8	905.2	909.6	914.0	918.4	922.8	927.2	931.6	936.0	940.4	944.8	949.2	953.6	958.0	962.4	966.8	971.2	975.6	979.0	983.4	987.8	992.2	996.6	998.0	0.0																																																															
06	16.5	21.8	27.1	32.4	37.7	43.0	48.3	53.6	58.9	64.2	69.5	74.8	79.1	84.4	89.7	95.0	100.3	105.6	110.9	116.2	121.5	126.8	132.1	137.4	142.7	148.0	153.3	158.6	163.9	169.2	174.5	179.8	185.1	190.4	195.7	201.0	206.3	211.6	216.9	222.2	227.5	232.8	238.1	243.4	248.7	254.0	259.3	264.6	269.9	275.2	280.5	285.8	291.1	296.4	301.7	307.0	312.3	317.6	322.9	328.2	333.5	338.8	344.1	349.4	354.7	359.0	364.3	369.6	374.9	379.2	384.5	389.8	395.1	400.4	405.7	411.0	416.3	421.6	426.9	432.2	437.5	442.8	448.1	453.4	458.7	464.0	469.3	474.6	479.9	485.2	490.5	495.8	501.1	506.4	511.7	517.0	522.3	527.6	532.9	538.2	543.5	548.8	554.1	559.4	564.7	569.0	574.3	579.6	584.9	589.2	594.5	599.8	605.1	610.4	615.7	621.0	626.3	631.6	636.9	642.2	647.5	652.8	658.1	663.4	668.7	674.0	679.3	684.6	689.9	695.2	700.5	705.8	711.1	716.4	721.7	727.0	732.3	737.6	742.9	748.2	753.5	758.8	764.1	769.4	774.7	779.0	784.3	789.6	794.9	799.2	804.5	809.8	815.1	819.4	824.7	829.0	834.3	839.6	844.9	850.2	855.5	860.8	866.1	871.4	876.7	882.0	887.3	892.6	897.9	903.2	908.5	913.8	919.1	924.4	929.7	935.0	938.3	943.6	948.9	954.2	959.5	964.8	969.1	974.4	979.7	985.0	989.3	993.6	997.9	0.0																																																																																																	
07	22.1	27.5	32.9	38.3	43.7	49.1	54.5	59.9	65.3	70.7	76.1	81.5	86.9	92.3	97.7	10																																																																																																																																																																																																																																																																															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*																																																																																																																																						
01	20.4	24.6	28.9	33.1	37.1	41.5	45.8	50.0	54.2	59.2	63.7	68.8	73.2	78.3	83.7	89.4	93.5	94.9	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8																																																																																																																																				
02	0.3	-7.9	-16.2	-24.1	-32.0	-40.0	-49.0	-57.0	-65.8	-75.5	-85.1	-95.0	-10.9	-19.8	-26.7	-34.6	-42.5	-50.4	-59.1	-67.8	-77.8	-84.4	-91.1	-98.0	-10.2	-20.1	-28.0	-36.0	-44.0	-52.0	-60.0	-68.0	-76.0	-84.0	-92.0	-99.0	-10.0	0.3	0.3	0.3	0.3	0.3																																																																																																																																		
03	1.5	9	14	18	22	27	31	35	36	42	16	20	24	29	33	37	42	11	17	23	26	30	35	39	44	48	2	7	12	17	22	27	32	37	41	1	1	1	1	1																																																																																																																																				
04	21.1	25.5	29.9	33.4	38.6	42.2	49.7	51.5	55.7	62.3	82.9	73.3	9.3	98.8	142.4	446.6	650.8	855.0	959.3	327.2	233.0	338.0	242.0	46.0	350.6	654.8	859.1	163.3	390.5	585.4	479.4	73.0	467.7	561.5	555.5	549.5	543.6	629.7	729.7	729.7	729.7	729.7	729.7																																																																																																																																	
05	3.5	-3.6	-11.1	-18.1	-26.1	-34.1	-42.1	-50.1	-58.9	-67.9	-75.4	-81.0	-8.1	-16.1	-24.1	-32.1	-41.1	-49.1	-57.1	-67.7	-77.8	-84.4	-91.1	-98.1	-10.1	-20.1	-28.1	-36.1	-44.1	-52.1	-60.1	-68.1	-76.1	-84.1	-92.1	-99.1	-10.1	0.1	0.1	0.1	0.1	0.1																																																																																																																																		
06	6.7	-0.5	-7.5	-15.1	-22.1	-29.1	-37.1	-45.1	-53.1	-61.1	-73.4	-8.3	-11.1	-18.1	-26.1	-34.1	-42.1	-50.1	-58.1	-69.3	-0.0	-8.1	-16.1	-24.1	-32.1	-41.1	-49.1	-57.1	-65.1	-73.1	-81.1	-89.1	-97.1	-105.1	-113.1	-121.1	-129.1	-137.1	-145.1	-153.1																																																																																																																																				
07	22.5	27.3	33.1	33.5	33.0	73.5	0.3	39.1	44.3	84.8	252.5	556.8	82.4	130.1	434.8	839.2	243.6	647.9	952.2	256.5	560.7	727.3	333.1	139.0	0.4	3.3	24.7	45.1	65.5	96.0	164.3	386.3	381.2	276.1	370.1	164.4	158.2	252.2	246.2	240.0	339.0	0.3	39.0	0.3	39.0	0.3																																																																																																																														
08	10.0	2.3	-4.1	-11.1	-19.1	-26.1	-33.1	-41.1	-48.1	-56.1	-64.6	-7.0	-7.7	-6.5	-15.1	-22.1	-30.1	-37.1	-45.1	-20.1	31.1	63.2	-3.9	-11.1	-18.1	-26.1	-34.1	-42.1	-12.1	-8.2	-4.3	-0.4	16.8	32.4	73.3	0.4	1.1	-0.1	-0.1	-0.1	-0.1																																																																																																																																			
09	23.2	28.1	33.2	32.6	24.0	94.5	24.9	6.5	54.0	58.4	42.5	25.5	53.1	8.3	56.5	54.5	14.9	45.3	85.8	26.2	9.7	83.4	0.4	40.1	34.4	94.9	25.3	65.8	0.6	2.4	6.6	7.7	8.8	9.7	10.7	11.7	12.7	13.7	14.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7																																																																																																																											
10	15.2	23.5	-1.3	-7.8	-15.1	-23.1	-30.1	-37.1	-45.1	-53.1	-61.1	-78.1	-18.2	-26.2	-34.2	-42.2	-50.2	-58.2	-66.2	-74.2	-82.2	-90.2	-98.2	-106.2	-114.2	-122.2	-130.2	-138.2	-146.2	-154.2	-162.2	-170.2	-178.2	-186.2	-194.2	-202.2	-210.2	-218.2	-226.2	-234.2	-242.2	-250.2	-258.2	-266.2	-274.2	-282.2	-290.2	-298.2	-306.2	-314.2	-322.2	-330.2	-338.2	-346.2	-354.2	-362.2	-370.2	-378.2	-386.2	-394.2	-402.2	-410.2	-418.2	-426.2	-434.2	-442.2	-450.2	-458.2	-466.2	-474.2	-482.2	-490.2	-498.2	-506.2	-514.2	-522.2	-530.2	-538.2	-546.2	-554.2	-562.2	-570.2	-578.2	-586.2	-594.2	-602.2	-610.2	-618.2	-626.2	-634.2	-642.2	-650.2	-658.2	-666.2	-674.2	-682.2	-690.2	-698.2	-706.2	-714.2	-722.2	-730.2	-738.2	-746.2	-754.2	-762.2	-770.2	-778.2	-786.2	-794.2	-802.2	-810.2	-818.2	-826.2	-834.2	-842.2	-850.2	-858.2	-866.2	-874.2	-882.2	-890.2	-898.2	-906.2	-914.2	-922.2	-930.2	-938.2	-946.2	-954.2	-962.2	-970.2	-978.2	-986.2	-994.2	-0.2	0.2	0.2	0.2	0.2																																
11	19.7	21.1	44.4	-2.1	-8.1	-5.1	-15.1	-23.1	-31.1	-38.1	-46.1	-54.1	-62.1	-70.1	-78.1	-86.1	-94.1	-102.1	-110.1	-118.1	-126.1	-134.1	-142.1	-150.1	-158.1	-166.1	-174.1	-182.1	-190.1	-198.1	-206.1	-214.1	-222.1	-230.1	-238.1	-246.1	-254.1	-262.1	-270.1	-278.1	-286.1	-294.1	-302.1	-310.1	-318.1	-326.1	-334.1	-342.1	-350.1	-358.1	-366.1	-374.1	-382.1	-390.1	-398.1	-406.1	-414.1	-422.1	-430.1	-438.1	-446.1	-454.1	-462.1	-470.1	-478.1	-486.1	-494.1	-502.1	-510.1	-518.1	-526.1	-534.1	-542.1	-550.1	-558.1	-566.1	-574.1	-582.1	-590.1	-598.1	-606.1	-614.1	-622.1	-630.1	-638.1	-646.1	-654.1	-662.1	-670.1	-678.1	-686.1	-694.1	-702.1	-710.1	-718.1	-726.1	-734.1	-742.1	-750.1	-758.1	-766.1	-774.1	-782.1	-790.1	-798.1	-806.1	-814.1	-822.1	-830.1	-838.1	-846.1	-854.1	-862.1	-870.1	-878.1	-886.1	-894.1	-902.1	-910.1	-918.1	-926.1	-934.1	-942.1	-950.1	-958.1	-966.1	-974.1	-982.1	-990.1	-0.1	0.1	0.1	0.1	0.1																																						
12	25.9	30.3	35.5	35.0	39.1	43.0	47.1	51.1	55.1	61.1	67.1	73.1	79.1	85.1	91.1	97.1	103.1	109.1	115.1	121.1	127.1	133.1	139.1	145.1	151.1	157.1	163.1	169.1	175.1	181.1	187.1	193.1	199.1	205.1	211.1	217.1	223.1	229.1	235.1	241.1	247.1	253.1	259.1	265.1	271.1	277.1	283.1	289.1	295.1	301.1	307.1	313.1	319.1	325.1	331.1	337.1	343.1	349.1	355.1	361.1	367.1	373.1	379.1	385.1	391.1	397.1	403.1	409.1	415.1	421.1	427.1	433.1	439.1	445.1	451.1	457.1	463.1	469.1	475.1	481.1	487.1	493.1	499.1	505.1	511.1	517.1	523.1	529.1	535.1	541.1	547.1	553.1	559.1	565.1	571.1	577.1	583.1	589.1	595.1	601.1	607.1	613.1	619.1	625.1	631.1	637.1	643.1	649.1	655.1	661.1	667.1	673.1	679.1	685.1	691.1	697.1	703.1	709.1	715.1	721.1	727.1	733.1	739.1	745.1	751.1	757.1	763.1	769.1	775.1	781.1	787.1	793.1	799.1	805.1	811.1	817.1	823.1	829.1	835.1	841.1	847.1	853.1	859.1	865.1	871.1	877.1	883.1	889.1	895.1	899.1	905.1	911.1	917.1	923.1	929.1	935.1	941.1	947.1	953.1	959.1	965.1	971.1	977.1	983.1	989.1	995.1	0.1	0.1	0.1	0.1	0.1	
13	30.3	33.5	34.0	34.6	34.9	35.3	35.7	36.1	36.5	36.9	37.3	37.7	38.1	38.5	38.9	39.3	39.7	40.1	40.5	40.9	41.3	41.7	42.1	42.5	42.9	43.3	43.7	44.1	44.5	44.9	45.3	45.7	46.1	46.5	46.9	47.3	47.7	48.1	48.5	48.9	49.3	49.7	50.1	50.5	50.9	51.3	51.7	52.1	52.5	52.9	53.3	53.7	54.1	54.5	54.9	55.3	55.7	56.1	56.5	56.9	57.3	57.7	58.1	58.5	58.9	59.3	59.7	60.1	60.5	60.9	61.3	61.7	62.1	62.5	62.9	63.3	63.7	64.1	64.5	64.9	65.3	65.7	66.1	66.5	66.9	67.3	67.7	68.1	68.5	68.9	69.3	69.7	70.1	70.5	70.9	71.3	71.7	72.1	72.5	72.9	73.3	73.7	74.1	74.5	74.9	75.3	75.7	76.1	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3	79.7	80.1	80.5	80.9	81.3	81.7	82.1	82.5	82.9	83.3	83.7	84.1	84.5	84.9	85.3	85.7	86.1	86.5	86.9	87.3	87.7	88.1	88.5	88.9	89.3	89.7	90.1	90.5	90.9	91.3	91.7	92.1	92.5	92.9	93.3	93.7	94.1	94.5	94.9	95.3	95.7	96.1	96.5	96.9	97.3	97.7	98.1	98.5	98.9	99.3	99.7	0.1	0.1	0.1	0.1	0.1
14	29.0	30.5	34.0	34.2	34.7	35.1	35.5	35.9	36.3	36.7	37.1	37.5	37.9	38.3	38.7	39.1	39.5	39.9	40.3	40.7	41.1	41.5	41.9	42.3	42.7	43.1	43.5	43.9	44.3	44.7	45.1	45.5	45.9	46.3	46.7	47.1	47.5	47.9	48.3	48.7	49.1	49.5	49.9	50.3	50.7	51.1	51.5	51.9	52.3	52.7	53.1	53.5	53.9	54.3	54.7	55.1	55.5	55.9	56.3	56.7	57.1	57.5	57.9	58.3	58.7	59.1	59.5	59.9	60.3	60.7	61.1	61.5	61.9	62.3	62.7	63.1	63.5	63.9	64.3	64.7	65.1	65.5	65.9	66.3	66.7	67.1	67.5	67.9	68.3	68.7	69.1	69.5	69.9	70.3	70.7	71.1	71.5	71.9	72.3	72.7	73.1	73.5	73.9	74.3	74.7	75.1	75.5	75.9	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.1																																																								

