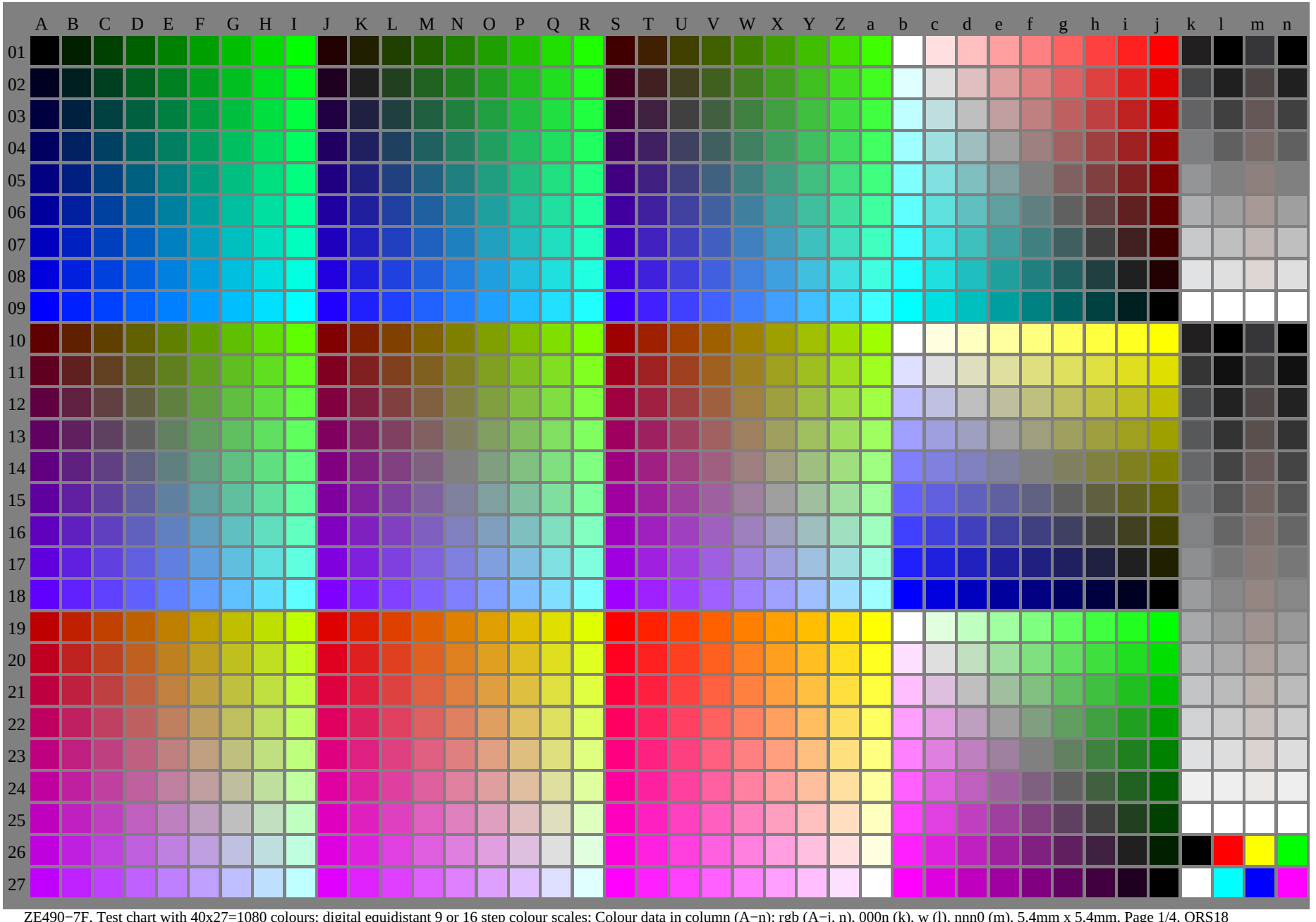
See for similar files: http://www.ps.bam.de/ZE49/; www.ps.bam.de/ZE.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE49/10L/L49E00FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems



ZE490−7F, Test chart with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A−n): rgb (A−j, n), 000n (k), w (l), nnn0 (m), 5,4mm x 5,4mm, Page 1/4, ORS18

See for similar files: http://www.ps.bam.de/ZE49/; www.ps.bam.de/ZE.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE49/10L/L49E00FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

	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	l	m	n
01	0000 A01 0.0 0.0 0.125	0009 B01 0.0 0.0 0.125	0018 C01 0.0 0.0 0.375	0027 D01 0.0 0.375 0.375	0036 E01 0.0 0.5 0.5	0045 F01 0.0 0.625 0.625	0054 G01 0.0 0.75 0.75	0063 H01 0.0 0.875 0.875	0072 I01 0.0 1.0 1.0	0081 J01 0.125 0.125 0.0	0090 K01 0.125 0.125 0.0	0099 L01 0.125 0.125 0.0	0108 M01 0.125 0.375 0.0	0117 N01 0.125 0.5 0.0	0126 O01 0.125 0.625 0.0	0135 P01 0.125 0.75 0.0	0144 Q01 0.125 0.875 0.0	0153 R01 0.125 1.0 0.0	0162 S01 0.25 0.0 0.125	0171 T01 0.25 0.125 0.125	0180 U01 0.25 0.25 0.375	0189 V01 0.25 0.375 0.5	0198 W01 0.25 0.5 0.625	0207 X01 0.25 0.625 0.75	0216 Y01 0.25 0.75 0.875	0225 Z01 0.25 0.875 1.0	0234 a01 0.25 1.0 1.0	0243 b01 0.375 0.0 0.125	0252 c01 0.375 0.125 0.125	0261 d01 0.375 0.375 0.375	0270 e01 0.375 0.5 0.5	0279 f01 0.375 0.625 0.625	0288 g01 0.375 0.75 0.75	0297 h01 0.375 0.875 0.875	0306 i01 0.375 1.0 1.0	0315 j01 0.375 0.0 0.125	0324 k01 0.0 0.125 0.125	0333 l01 0.0 0.125 0.125	0342 m01 0.0 0.125 0.125	0351 n01 0.0 0.125 0.125	0360 o01 0.0 0.125 0.125	0369 p01 0.0 0.125 0.125	0378 q01 0.0 0.125 0.125	0387 r01 0.0 0.125 0.125	0396 s01 0.0 0.125 0.125
02	0001 A02 0.0 0.125 0.125	0010 B02 0.0 0.125 0.125	0019 C02 0.0 0.25 0.125	0028 D02 0.0 0.375 0.125	0037 E02 0.0 0.5 0.125	0046 F02 0.0 0.625 0.125	0055 G02 0.0 0.75 0.125	0064 H02 0.0 0.875 0.125	0073 I02 0.0 1.0 0.125	0082 J02 0.125 0.125 0.125	0091 K02 0.125 0.125 0.125	0100 L02 0.125 0.125 0.125	0109 M02 0.125 0.375 0.125	0118 N02 0.125 0.5 0.125	0127 O02 0.125 0.625 0.125	0136 P02 0.125 0.75 0.125	0145 Q02 0.125 0.875 0.125	0154 R02 0.125 1.0 0.125	0163 S02 0.25 0.0 0.125	0172 T02 0.25 0.125 0.125	0181 U02 0.25 0.25 0.125	0190 V02 0.25 0.375 0.125	0199 W02 0.25 0.5 0.125	0208 X02 0.25 0.625 0.125	0217 Y02 0.25 0.75 0.125	0226 Z02 0.25 0.875 0.125	0235 a02 0.25 1.0 0.125	0730 b02 0.875 0.0 0.125	739 c02 0.875 0.125 0.125	748 d02 0.875 0.25 0.125	757 e02 0.875 0.375 0.125	766 f02 0.875 0.5 0.125	775 g02 0.875 0.625 0.125	784 h02 0.875 0.75 0.125	793 i02 0.875 0.875 0.125	802 j02 0.875 1.0 0.125	0973 k02 a=0.875 000n* setcmyk	0982 l02 w=-0.125 w* setgray	0991 m02 n=-0.875 nnn0* setcmyk	1000 n02 w=-0.125 www* setrgb
03	0002 A03 0.0 0.125 0.25	0011 B03 0.0 0.125 0.25	0020 C03 0.0 0.25 0.25	0029 D03 0.0 0.375 0.25	0038 E03 0.0 0.5 0.25	0047 F03 0.0 0.625 0.25	0056 G03 0.0 0.75 0.25	0065 H03 0.0 0.875 0.25	0074 I03 0.0 1.0 0.25	0083 J03 0.125 0.125 0.25	0092 K03 0.125 0.125 0.25	0101 L03 0.125 0.125 0.25	0110 M03 0.125 0.375 0.25	0119 N03 0.125 0.5 0.25	0128 O03 0.125 0.625 0.25	0137 P03 0.125 0.75 0.25	0146 Q03 0.125 0.875 0.25	0155 R03 0.125 1.0 0.25	0164 S03 0.25 0.0 0.25	0173 T03 0.25 0.125 0.25	0182 U03 0.25 0.25 0.25	0191 V03 0.25 0.375 0.25	0200 W03 0.25 0.5 0.25	0209 X03 0.25 0.625 0.25	0218 Y03 0.25 0.75 0.25	0227 Z03 0.25 0.875 0.25	0236 a03 0.25 1.0 0.25	731 b03 0.75 0.0 1.0	740 c03 0.75 0.125 1.0	749 d03 0.75 0.25 1.0	758 e03 0.75 0.375 1.0	767 f03 0.75 0.5 1.0	776 g03 0.75 0.625 1.0	785 h03 0.75 0.75 1.0	794 i03 0.75 0.875 1.0	803 j03 0.75 1.0 1.0	0974 k03 a=0.75 000n* setcmyk	0983 l03 w=-0.25 w* setgray	0992 m03 n=-0.75 nnn0* setcmyk	1001 n03 w=-0.25 www* setrgb
04	0003 A04 0.0 0.125 0.375	0012 B04 0.0 0.125 0.375	0021 C04 0.0 0.25 0.375	0030 D04 0.0 0.375 0.375	0039 E04 0.0 0.5 0.375	0048 F04 0.0 0.625 0.375	0057 G04 0.0 0.75 0.375	0066 H04 0.0 0.875 0.375	0075 I04 0.0 1.0 0.375	0084 J04 0.125 0.125 0.375	0093 K04 0.125 0.125 0.375	0102 L04 0.125 0.125 0.375	0111 M04 0.125 0.375 0.375	0120 N04 0.125 0.5 0.375	0129 O04 0.125 0.625 0.375	0138 P04 0.125 0.75 0.375	0147 Q04 0.125 0.875 0.375	0156 R04 0.125 1.0 0.375	0165 S04 0.25 0.0 0.375	0174 T04 0.25 0.125 0.375	0183 U04 0.25 0.25 0.375	0192 V04 0.25 0.375 0.375	0201 W04 0.25 0.5 0.375	0210 X04 0.25 0.625 0.375	0219 Y04 0.25 0.75 0.375	0228 Z04 0.25 0.875 0.375	0237 a04 0.25 1.0 0.375	732 b04 0.75 0.25 1.0	741 c04 0.625 0.125 0.875	750 d04 0.625 0.25 0.875	759 e04 0.625 0.375 0.875	768 f04 0.625 0.5 0.875	777 g04 0.625 0.625 0.875	786 h04 0.625 0.75 0.875	795 i04 0.625 0.875 0.875	804 j04 0.625 1.0 0.875	0975 k04 a=0.625 000n* setcmyk	0984 l04 w=-0.375 w* setgray	0993 m04 n=-0.625 nnn0* setcmyk	1002 n04 w=-0.375 www* setrgb
05	0004 A05 0.0 0.125 0.5	0013 B05 0.0 0.125 0.5	0022 C05 0.0 0.25 0.5	0031 D05 0.0 0.375 0.5	0040 E05 0.0 0.5 0.5	0049 F05 0.0 0.625 0.5	0058 G05 0.0 0.75 0.5	0067 H05 0.0 0.875 0.5	0076 I05 0.0 1.0 0.5	0085 J05 0.125 0.125 0.5	0094 K05 0.125 0.125 0.5	0103 L05 0.125 0.25 0.5	0112 M05 0.125 0.375 0.5	0121 N05 0.125 0.5 0.5	0130 O05 0.125 0.625 0.5	0139 P05 0.125 0.75 0.5	0148 Q05 0.125 0.875 0.5	0157 R05 0.125 1.0 0.5	0166 S05 0.25 0.0 0.5	0175 T05 0.25 0.125 0.5	0184 U05 0.25 0.25 0.5	0193 V05 0.25 0.375 0.5	0202 W05 0.25 0.5 0.5	0211 X05 0.25 0.625 0.5	0220 Y05 0.25 0.75 0.5	0229 Z05 0.25 0.875 0.5	0238 a05 0.25 1.0 0.5	733 b05 0.75 0.5 1.0	742 c05 0.5 0.125 0.875	751 d05 0.5 0.25 0.875	760 e05 0.5 0.375 0.875	769 f05 0.5 0.5 0.875	778 g05 0.5 0.625 0.875	787 h05 0.5 0.75 0.875	796 i05 0.5 0.875 0.875	805 j05 0.5 1.0 0.875	0976 k05 a=0.5 000n* setcmyk	0985 l05 w=-0.5 w* setgray	0994 m05 n=-0.5 nnn0* setcmyk	1003 n05 w=-0.5 www* setrgb
06	0005 A06 0.0 0.125 0.625	0014 B06 0.0 0.125 0.625	0023 C06 0.0 0.25 0.625	0032 D06 0.0 0.375 0.625	0041 E06 0.0 0.5 0.625	0050 F06 0.0 0.625 0.625	0059 G06 0.0 0.75 0.625	0068 H06 0.0 0.875 0.625	0077 I06 0.0 1.0 0.625	0086 J06 0.125 0.125 0.625	0095 K06 0.125 0.125 0.625	0104 L06 0.125 0.25 0.625	0113 M06 0.125 0.375 0.625	0122 N06 0.125 0.5 0.625	0131 O06 0.125 0.625 0.625	0140 P06 0.125 0.75 0.625	0149 Q06 0.125 0.875 0.625	0158 R06 0.125 1.0 0.625	0167 S06 0.25 0.0 0.625	0176 T06 0.25 0.125 0.625	0185 U06 0.25 0.25 0.625	0194 V06 0.25 0.375 0.625	0203 W06 0.25 0.5 0.625	0212 X06 0.25 0.625 0.625	0221 Y06 0.25 0.75 0.625	0230 Z06 0.25 0.875 0.625	0239 a06 0.25 1.0 0.625	734 b06 0.75 0.375 1.0	743 c06 0.375 0.375 0.875	752 d06 0.375 0.5 0.875	761 e06 0.375 0.625 0.875	770 f06 0.375 0.75 0.875	779 g06 0.375 0.875 0.875	788 h06 0.375 1.0 0.875	797 i06 0.375 1.0 0.875	806 j06 0.375 1.0 0.875	0977 k06 a=0.375 000n* setcmyk	0986 l06 w=-0.625 w* setgray	0995 m06 n=-0.375 nnn0* setcmyk	1004 n06 w=-0.625 www* setrgb
07	0006 A07 0.0 0.125 0.75	0015 B07 0.0 0.125 0.75	0024 C07 0.0 0.25 0.75	0033 D07 0.0 0.375 0.75	0042 E07 0.0 0.5 0.75	0051 F07 0.0 0.625 0.75	0060 G07 0.0 0.75 0.75	0069 H07 0.0 0.875 0.75	0078 I07 0.0 1.0 0.75	0087 J07 0.125 0.125 0.75	0096 K07 0.125 0.125 0.75	0105 L07 0.125 0.25 0.75	0114 M07 0.125 0.375 0.75	0123 N07 0.125 0.5 0.75	0132 O07 0.125 0.625 0.75	0141 P07 0.125 0.75 0.75	0150 Q07 0.125 0.875 0.75	0159 R07 0.125 1.0 0.75	0168 S07 0.25 0.0 0.75	0177 T07 0.25 0.125 0.75	0186 U07 0.25 0.25 0.75	0195 V07 0.25 0.375 0.75	0204 W07 0.25 0.5 0.75	0213 X07 0.25 0.625 0.75	0222 Y07 0.25 0.75 0.75	0231 Z07 0.25 0.875 0.75	0240 a07 0.25 1.0 0.75	735 b07 0.75 0.5 1.0	744 c07 0.5 0.125 0.875	753 d07 0.5 0.25 0.875	762 e07 0.5 0.375 0.875	771 f07 0.5 0.5 0.875	780 g07 0.5 0.625 0.875	789 h07 0.5 0.75 0.875	798 i07 0.5 0.875 0.875	807 j07 0.5 1.0 0.875	0978 k07 a=0.25 000n* setcmyk	0987 l07 w=-0.75 w* setgray	0996 m07 n=-0.25 nnn0* setcmyk	1005 n07 w=-0.75 www* setrgb
08	0007 A08 0.0 0.125 0.875	0016 B08 0.0 0.125 0.875	0025 C08 0.0 0.25 0.875	0034 D08 0.0 0.375 0.875	0043 E08 0.0 0.5 0.875	0052 F08 0.0 0.625 0.875	0061 G08 0.0 0.75 0.875	0070 H08 0.0 0.875 0.875	0079 I08 0.0 1.0 0.875	0088 J08 0.125 0.125 0.875	0097 K08 0.125 0.125 0.875	0106 L08 0.125 0.25 0.875	0115 M08 0.125 0.375 0.875	0124 N08 0.125 0.5 0.875	0133 O08 0.125 0.625 0.875	0142 P08 0.125 0.75 0.875	0151 Q08 0.125 0.875 0.875	0160 R08 0.125 1.0 0.875	0169 S08 0.25 0.0 0.875	0178 T08 0.25 0.125 0.875	0187 U08 0.25 0.25 0.875	0196 V08 0.25 0.375 0.875	0205 W08 0.25 0.5 0.875	0214 X08 0.25 0.625 0.875	0223 Y08 0.25 0.75 0.875	0232 Z08 0.25 0.875 0.875	0241 a08 0.25 1.0 0.875	736 b08 0.125 0.0 1.0	745 c08 0.125 0.125 0.875	754 d08 0.125 0.25 0.875	763 e08 0.125 0.375 0.875	772 f08 0.125 0.5 0.875	781 g08 0.125 0.625 0.875	790 h08 0.125 0.75 0.875	799 i08 0.125 0.875 0.875	808 j08 0.125 1.0 0.875	0979 k08 a=0.125 000n* setcmyk	0988 l08 w=-0.875 w* setgray	0997 m08 n=-0.125 nnn0* setcmyk	1006 n08 w=-0.875 www* setrgb
09	0008 A09 0.0 0.125 1.0	0017 B09 0.0 0.125 1.0	0026 C09 0.0 0.25 1.0	0035 D09 0.0 0.375 1.0	0044 E09 0.0 0.5 1.0	0053 F09 0.0 0.625 1.0	0062 G09 0.0 0.75 1.0	0071 H09 0.0 0.875 1.0	0080 I09 0.0 1.0 1.0	0089 J09 0.125 0.125 1.0	0098 K09 0.125 0.125 1.0	0107 L09 0.125 0.25 1.0	0116 M09 0.125 0.375 1.0	0125 N09 0.125 0.5 1.0	0134 O09 0.125 0.625 1.0	0143 P09 0.125 0.75 1.0	0152 Q09 0.125 0.875 1.0	0161 R09 0.125 1.0 1.0	0170 S09 0.25 0.0 1.0	0179 T09 0.25 0.125 1.0	0188 U09 0.25 0.25 1.0	0197 V09 0.25 0.375 1.0	0206 W09 0.25 0.5 1.0	0215 X09 0.25 0.625 1.0	0224 Y09 0.25 0.75 1.0	0233 Z09 0.25 0.875 1.0	0242 a09 0.25 1.0 1.0	737 b09 0.75 0.5 1.0	746 c09 0.5 0.125 0.875	755 d09 0.5 0.25 0.875	764 e09 0.5 0.375 0.875	773 f09 0.5 0.5 0.875	782 g09 0.5 0.625 0.875	791 h09 0.5 0.75 0.875	800 i09 0.5 0.875 0.875	809 j09 0.5 1.0 0.875	0980 k09 a=0.0 000n* setcmyk	0989 l09 w=-1.0 w* setgray	0998 m09 n=-0.0 nnn0* setcmyk	1007 n09 w=-1.0 www* setrgb
10	0243 A10 0.375 0.125 0.125	0252 B10 0.375 0.125 0.125	0261 C10 0.375 0.25 0.125	0270 D10 0.375 0.375 0.125	0279 E10 0.375 0.5 0.125	0288 F10 0.375 0.625 0.125	0297 G10 0.375 0.75 0.125	0306 H10 0.375 0.875 0.125	0315 I10 0.375 1.0 0.125	0324 J10 0.5 0.125 0.125	0333 K10 0.5 0.125 0.125	0342 L10 0.5 0.25 0.125	0351 M10 0.5 0.375 0.125	0360 N10 0.5 0.5 0.125	0369 O10 0.5 0.625 0.125	0378 P10 0.5 0.75 0.125	0387 Q10 0.5 0.875 0.125	0396 R10 0.5 1.0 0.125	0405 S10 0.625 0.0 0.125	0414 T10 0.625 0.125 0.125	0423 U10 0.625 0.25 0.125	0432 V10 0.625 0.375 0.125	0441 W10 0.625 0.5 0.125	0450 X10 0.625 0.625 0.125	0459 Y10 0.625 0.75 0.125	0468 Z10 0.625 0.875 0.125	0477 a10 0.625 1.0 0.125	810 b10 0.875 0.0 1.0	819 c10 0.875 0.125 0.875	828 d10 0.875 0.25 0.875	837 e10 0.875 0.375 0.875	846 f10 0.875 0.5 0.875	855 g10 0.875 0.625 0.875	864 h10 0.875 0.75 0.875	873 i10 0.875 0.875 0.875	882 j10 0.875 1.0 0.875	1008 k10 a=-0.0 000n* setcmyk	1024 l10 w=-0.0 w* setgray	1040 m10 n=-1.0 nnn0* setcmyk	1056 n10 w=-0.0 www* setrgb
11	0244 A11 0.375 0.125 0.125	0253 B11 0.375 0.125 0.125	0262 C11 0.375 0.25 0.125	0271 D11 0.375 0.375 0.125	0280 E11 0.375 0.5 0.125	0289 F11 0.375 0.625 0.125	0298 G11 0.375 0.75 0.125	0307 H11 0.375 0.875 0.125	0316 I11 0.375 1.0 0.125	0325 J11 0.5 0.125 0.125	0334 K11 0.5 0.125 0.125	0343 L11 0.5 0.25 0.125	0352 M11 0.5 0.375 0.125	0361 N11 0.5 0.5 0.125	0370 O11 0.5 0.625 0.125	0379 P11 0.5 0.75 0.125	0388 Q11 0.5 0.875 0.125	0397 R11 0.5 1.0 0.125	0406 S11 0.625 0.0 0.125	0415 T11 0.625 0.125 0.125	0424 U11 0.625 0.25 0.125	0433 V11 0.625 0.375 0.125	0442 W11 0.625 0.5 0.125	0451 X11 0.625 0.625 0.125	0460 Y11 0.625 0.75 0.125	0469 Z11 0.625 0.875 0.125	0478 a11 0.625 1.0 0.125	811 b11 0.875 0.0 1.0	820 c11 0.875 0.125 0.875	829 d11 0.875 0.25 0.875	838 e11 0.875 0.375 0.875	847 f11 0.875 0.5 0.875	856 g11 0.875 0.625 0.875	865 h11 0.875 0.75 0.875	874 i11 0.875 0.875 0.875	883 j11 0.875 1.0 0.875	1009 k11 a=-0.933 000n* setcmyk	1025 l11 w=-0.066 w* setgray	1041 m11 n=-0.933 nnn0* setcmyk	1057 n11 w=-0.066 www* setrgb
12	0245 A12 0.375 0.125 0.25	0254 B12 0.375 0.125 0.25	0263 C12 0.375 0.25 0.25	0272 D12 0.375 0.375 0.25	0281 E12 0.375 0.5 0.25	0290 F12 0.375 0.625 0.25	0299 G12 0.375 0.75 0.25	0308 H12 0.375 0.875 0.25	0317 I12 0.375 1.0 0.25	0326 J12 0.5 0.125 0.25	0335 K12 0.5 0.125 0.25	0344 L12 0.5 0.25 0.25	0353 M12 0.5 0.375 0.25	0362 N12 0.5 0.5 0.25	0371 O12 0.5 0.625 0.25	0380 P12 0.5 0.75 0.25	0389 Q12 0.5 0.875 0.25	0398 R12 0.5 1.0 0.25	0407 S12 0.625 0.0 0.25	0416 T12 0.625 0.125 0.25	0425 U12 0.625 0.25 0.25	0434 V12 0.625 0.375 0.25	0443 W12 0.625 0.5 0.25	0452 X12 0.625 0.625 0.25	0461 Y12 0.625 0.75 0.25	0470 Z12 0.625 0.875 0.25	0479 a12 0.625 1.0 0.25	812 b12 0.75 0.0 1.0	821 c12 0.75 0.125 0.875	830 d12 0.75 0.25 0.875	839 e12 0.75 0.375 0.875	848 f12 0.75 0.5 0.875	857 g12 0.75 0.625 0.875	866 h12 0.75 0.75 0.875	875 i12 0.75 0.875 0.875	884 j12 0.75 1.0 0.875	1010 k12 a=0.866 000n* setcmyk	1026 l12 w=-0.133 w* setgray	1042 m12 n=-0.866 nnn0* setcmyk	1058 n12 w=-0.133 www* setrgb
13	0246 A13 0.375 0.125 0.375	0255 B13 0.375 0.125 0.375	0264 C13 0.375 0.25 0.375	0273 D13 0.375 0.375 0.375	0282 E13 0.375 0.5 0.375	0291 F13 0.375 0.625 0.375	0300 G13 0.375 0.75 0.375	0309 H13 0.375 0.875 0.375	0318 I13 0.375 1.0 0.375	0327 J13 0.5 0.125 0.375	0336 K13 0.5 0.125 0.375	0345 L13 0.5 0.25 0.375	0354 M13 0.5 0.375 0.375	0363 N13 0.5 0.5 0.375	0372 O13 0.5 0.625 0.375	0381 P13 0.5 0.75 0.375	0390 Q13 0.5 0.875 0.375	0399 R13 0.5 1.0 0.375	0408 S13 0.625 0.0 0.375	0417 T13 0.625 0.125 0.375	0426 U13 0.625 0.25 0.375	0435 V13 0.625 0.375 0.375	0444 W13 0.625 0.5 0.375	0453 X13 0.625 0.625 0.375	0462 Y13 0.625 0.75 0.375	0471 Z13 0.625 0.875 0.375	0480 a13 0.625 1.0 0.375	813 b13 0.875 0.0 1.0	822 c13 0.875 0.125 0.875	831 d13 0.875 0.25 0.875	840 e13 0.875 0.375 0.875	849 f13 0.875 0.5 0.875	858 g13 0.875 0.625 0.875	867 h13 0.875 0.75 0.875	876 i13 0.875 0.875 0.875	885 j13 0.875 1.0 0.875	1011 k13 a=-0.8 000n* setcmyk	1027 l13 w=-0.2 w* setgray	1043 m13 n=-0.8 nnn0* setcmyk	1059 n13 w=-0.2 www* setrgb
14	0247 A14 0.375 0.125 0.5	0256 B14 0.375 0.125 0.5	0265 C14 0.375 0.25 0.5	0274 D14 0.375 0.375 0.5	0283 E14 0.375 0.5 0.5	0292 F14 0.375 0.625 0.5	0301 G14 0.375 0.75 0.5	0310 H14 0.375 0.875 0.5	0319 I14 0.375 1.0 0.5	0328 J14 0.5 0.125 0.5	0337 K14 0.5 0.125 0.5	0346 L14 0.5 0.25 0.5	0355 M14 0.5 0.375 0.5	0364 N14 0.5 0.5 0.5	0373 O14 0.5 0.625 0.5	0382 P14 0.5 0.75 0.5	0391 Q14 0.5 0.875 0.5	0400 R14 0.5 1.0 0.5	0409 S14 0.625 0.0 0.5	0418 T14 0.625 0.125 0.5	0427 U14 0.625 0.25 0.5	0436 V14 0.625 0.375 0.5	0445 W14 0.625 0.5 0.5	0454 X14 0.625 0.625 0.5	0463 Y14 0.625 0.75 0.5	0472 Z14 0.625 0.875 0.5	0481 a14 0.625 1.0 0.5	814 b14 0.5 0.0 1.0	823 c14 0.5 0.125 0.875	832 d14 0.5 0.25 0.875	841 e14 0.5 0.375 0.875	850 f14 0.5 0.5 0.875	859 g14 0.5 0.625 0.875	868 h14 0.5 0.75 0.875	877 i14 0.5 0.875 0.875	886 j14 0.5 1.0 0.875	1012 k14 a=-0.733 000n* setcmyk	1028 l14 w=-0.266 w* setgray	1044 m14 n=-0.733 nnn0* setcmyk	1060 n14 w=-0.266 www* setrgb
15	0248 A15 0.375 0.125 0.625	0257 B15 0.375 0.125 0.625	0266 C15 0.375 0.25 0.625	0275 D15 0.375 0.375 0.625	0284 E15 0.375 0.5 0.625	0293 F15 0.375 0.625 0.625	0302 G15 0.375 0.75 0.625	0311 H15 0.375 0.875 0.625	0320 I15 0.375 1.0 0.625	0329 J15 0.5 0.125 0.625	0338 K15 0.5 0.125 0.625	0347 L15 0.5 0.25 0.625	0356 M15 0.5 0.375 0.625	0365 N15 0.5 0.5 0.625	0374 O15 0.5 0.625 0.625	0383 P15 0.5 0.75 0.625	0392 Q15 0.5 0.875 0.625	0401 R15 0.5 1.0 0.625	0410 S15 0.625 0.0 0.625	0419 T15 0.625 0.125 0.625	0428 U15 0.625 0.25 0.625	0437 V15 0.625 0.375 0.625	0446 W15 0.625 0.5 0.625	0455 X15 0.625 0.625 0.625	0464 Y15 0.625 0.75 0.625	0473 Z15 0.625

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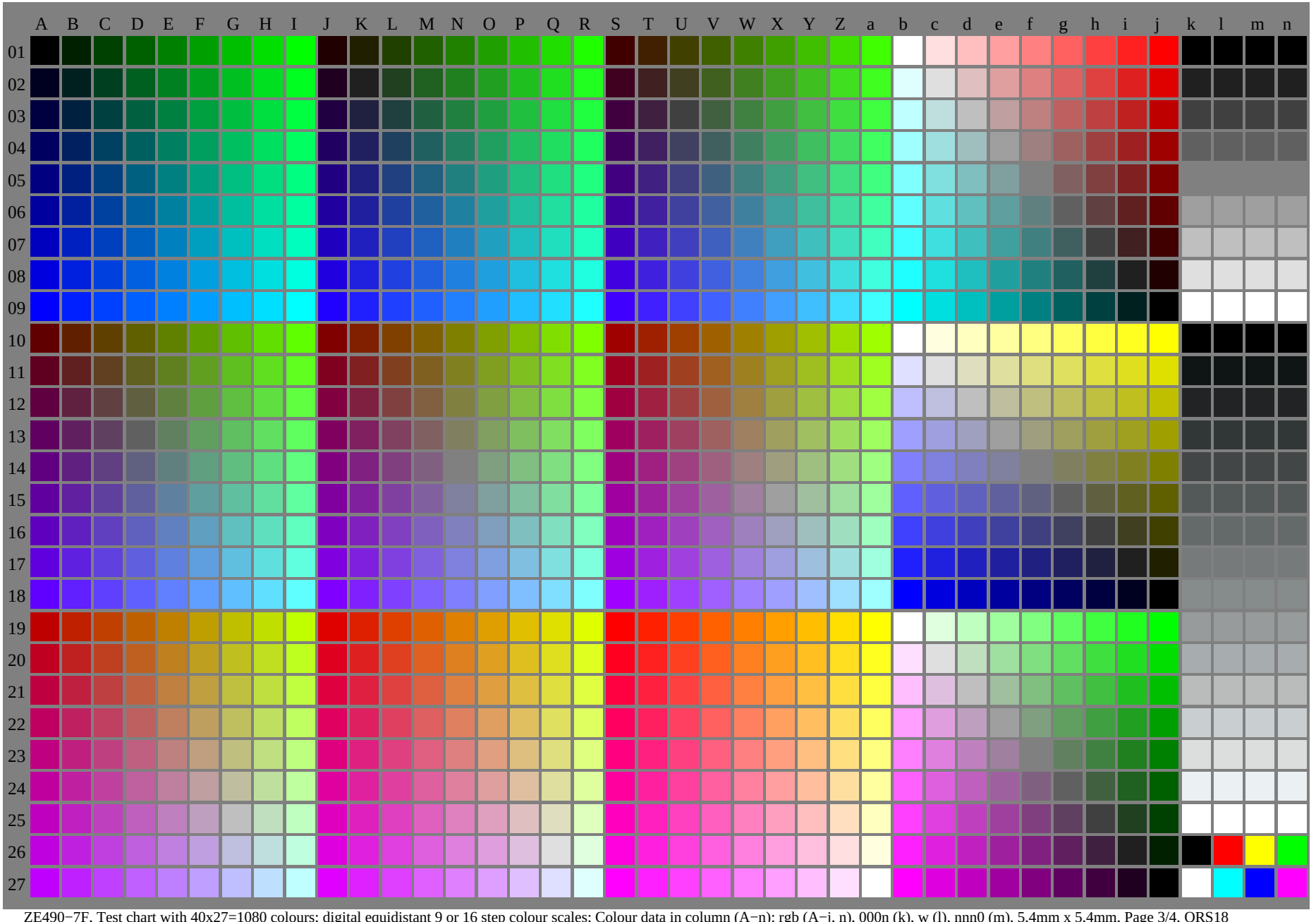
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE49/10L/L49E00FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems



ZE490−7F, Test chart with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A−n): rgb (A−j, n), 000n (k), w (l), nnn0 (m), 5,4mm x 5,4mm, Page 3/4, ORS18

See for similar files: http://www.ps.bam.de/ZE49/; www.ps.bam.de/ZE.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE49/10L/L49E00FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

	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	l	m	n
01	0000 A01	0009 B01	0018 C01	0027 D01	0036 E01	0045 F01	0054 G01	0063 H01	0072 I01	0081 J01	0090 K01	0099 L01	0108 M01	0117 N01	0126 O01	0135 P01	0144 Q01	0153 R01	0162 S01	0171 T01	0180 U01	0189 V01	0198 W01	0207 X01	0216 Y01	0225 Z01	0234 a01	729 b01	738 c01	747 d01	756 e01	765 f01	774 g01	783 h01	792 i01	801 j01	0972 k01	0981 l01	0990 m01	0999 n01
02	0001 A02	0010 B02	0019 C02	0028 D02	0037 E02	0046 F02	0055 G02	0064 H02	0073 I02	0082 J02	0091 K02	0100 L02	0109 M02	0118 N02	0127 O02	0136 P02	0145 Q02	0154 R02	0163 S02	0172 T02	0181 U02	0190 V02	0199 W02	0208 X02	0217 Y02	0226 Z02	0235 a02	730 b02	739 c02	748 d02	757 e02	766 f02	775 g02	784 h02	793 i02	802 j02	0973 k02	0982 l02	0991 m02	1000 n02
03	0002 A03	0011 B03	0020 C03	0029 D03	0038 E03	0047 F03	0056 G03	0065 H03	0074 I03	0083 J03	0092 K03	0101 L03	0110 M03	0119 N03	0128 O03	0137 P03	0146 Q03	0155 R03	0164 S03	0173 T03	0182 U03	0191 V03	0200 W03	0209 X03	0218 Y03	0227 Z03	0236 a03	731 b03	740 c03	749 d03	758 e03	767 f03	776 g03	785 h03	794 i03	803 j03	0974 k03	0983 l03	0992 m03	1001 n03
04	0003 A04	0012 B04	0021 C04	0030 D04	0039 E04	0048 F04	0057 G04	0066 H04	0075 I04	0084 J04	0093 K04	0102 L04	0111 M04	0120 N04	0129 O04	0138 P04	0147 Q04	0156 R04	0165 S04	0174 T04	0183 U04	0192 V04	0201 W04	0210 X04	0219 Y04	0228 Z04	0237 a04	732 b04	741 c04	750 d04	759 e04	768 f04	777 g04	786 h04	795 i04	804 j04	0975 k04	0984 l04	0993 m04	1002 n04
05	0004 A05	0013 B05	0022 C05	0031 D05	0040 E05	0049 F05	0058 G05	0067 H05	0076 I05	0085 J05	0094 K05	0103 L05	0112 M05	0121 N05	0130 O05	0139 P05	0148 Q05	0157 R05	0166 S05	0175 T05	0184 U05	0193 V05	0202 W05	0211 X05	0220 Y05	0229 Z05	0238 a05	733 b05	742 c05	751 d05	760 e05	769 f05	778 g05	787 h05	796 i05	805 j05	0976 k05	0985 l05	0994 m05	1003 n05
06	0005 A06	0014 B06	0023 C06	0032 D06	0041 E06	0050 F06	0059 G06	0068 H06	0077 I06	0086 J06	0095 K06	0104 L06	0113 M06	0122 N06	0131 O06	0140 P06	0149 Q06	0158 R06	0167 S06	0176 T06	0185 U06	0194 V06	0203 W06	0212 X06	0221 Y06	0230 Z06	0239 a06	734 b06	743 c06	752 d06	761 e06	770 f06	779 g06	788 h06	797 i06	806 j06	0977 k06	0986 l06	0995 m06	1004 n06
07	0006 A07	0015 B07	0024 C07	0033 D07	0042 E07	0051 F07	0060 G07	0069 H07	0078 I07	0087 J07	0096 K07	0105 L07	0114 M07	0123 N07	0132 O07	0141 P07	0150 Q07	0159 R07	0168 S07	0177 T07	0186 U07	0195 V07	0204 W07	0213 X07	0222 Y07	0231 Z07	0240 a07	735 b07	744 c07	753 d07	762 e07	771 f07	780 g07	789 h07	798 i07	807 j07	0978 k07	0987 l07	0996 m07	1005 n07
08	0007 A08	0016 B08	0025 C08	0034 D08	0043 E08	0052 F08	0061 G08	0070 H08	0079 I08	0088 J08	0097 K08	0106 L08	0115 M08	0124 N08	0133 O08	0142 P08	0151 Q08	0160 R08	0169 S08	0178 T08	0187 U08	0196 V08	0205 W08	0214 X08	0223 Y08	0232 Z08	0241 a08	736 b08	745 c08	754 d08	763 e08	772 f08	781 g08	790 h08	799 i08	808 j08	0979 k08	0988 l08	0997 m08	1006 n08
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11	0244 A11	0253 B11	0262 C11	0271 D11	0280 E11	0289 F11	0298 G11	0307 H11	0316 I11	0325 J11	0334 K11	0343 L11	0352 M11	0361 N11	0370 O11	0379 P11	0388 Q11	0397 R11	0406 S11	0415 T11	0424 U11	0433 V11	0442 W11	0451 X11	0460 Y11	0469 Z11	0478 a11	811 b11	820 c11	829 d11	838 e11	847 f11	856 g11	865 h11	874 i11	883 j11	1009 k11	1025 l11	1041 m11	1057 n11
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14	0247 A14	0256 B14	0265 C14	0274 D14	0283 E14	0292 F14	0301 G14	0310 H14	0319 I14	0328 J14	0337 K14	0346 L14	0355 M14	0364 N14	0373 O14	0382 P14	0391 Q14	0400 R14	0409 S14	0418 T14	0427 U14	0436 V14	0445 W14	0454 X14	0463 Y14	0472 Z14	0481 a14	814 b14	823 c14	832 d14	841 e14	850 f14	859 g14	868 h14	877 i14	886 j14	1012 k14	1028 l14	1044 m14	1060 n14
15	0248 A15	0257 B15	0266 C15	0275 D15	0284 E15	0293 F15	0302 G15	0311 H15	0320 I15	0329 J15	0338 K15	0347 L15	0356 M15	0365 N15	0374 O15	0383 P15	0392 Q15	0401 R15	0410 S15	0419 T15	0428 U15	0437 V15	0446 W15	0455 X15	0464 Y15	0473 Z15	0482 a15	815 b15	824 c15	833 d15	842 e15	851 f15	860 g15	869 h15	878 i15	887 j15	1013 k15	1029 l15	1045 m15	1061 n15
16	0249 A16	0258 B16	0267 C16	0276 D16	0285 E16	0294 F16	0303 G16	0312 H16	0321 I16	0330 J16	0339 K16	0348 L16	0357 M16	0366 N16	0375 O16	0384 P16	0393 Q16	0402 R16	0411 S16	0420 T16	0429 U16	0438 V16	0447 W16	0456 X16	0465 Y16	0474 Z16	0483 a16	816 b16	825 c16	834 d16	843 e16	852 f16	861 g16	870 h16	879 i16	888 j16	1014 k16	1030 l16	1046 m16	1062 n16
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19	0486 A19	0495 B19	0504 C19	0513 D19	0522 E19	0531 F19	0540 G19	0549 H19	0558 I19	0567 J19	0576 K19	0585 L19	0594 M19	0603 N19	0612 O19	0621 P19	0630 Q19	0639 R19	0648 S19	0657 T19	0666 U19	0675 V19	0684 W19	0693 X19	0702 Y19	0711 Z19	0720 a19	891 b19	900 c19	909 d19	918 e19	927 f19	936 g19	945 h19	954 i19	963 j19	1017 k19	1033 l19	1049 m19	1065 n19
20	0487 A20	0496 B20	0505 C20	0514 D20	0523 E20	0532 F20	0541 G20	0550 H20	0559 I20	0568 J20	0577 K20	0586 L20	0595 M20	0604 N20	0613 O20	0622 P20	0631 Q20	0640 R20	0649 S20	0658 T20	0667 U20	0676 V20	0685 W20	0694 X20	0703 Y20	0712 Z20	0721 a20	892 b20	901 c20	910 d20	919 e20	928 f20	937 g20	946 h20	955 i20	964 j20	1018 k20	1034 l20	1050 m20	1066 n20
21	0488 A21	0497 B21	0506 C21	0515 D21	0524 E21	0533 F21	0542 G21	0551 H21	0560 I21	0569 J21	0578 K21	0587 L21	0596 M21	0605 N21	0614 O21	0623 P21	0632 Q21	0641 R21	0650 S21	0659 T21	0668 U21	0677 V21	0686 W21	0695 X21	0704 Y21	0713 Z21	0722 a21	893 b21	902 c21	911 d21	920 e21	929 f21	938 g21	947 h21	956 i21	965 j21	1019 k21	1035 l21	1051 m21	1067 n21
22	0489 A22	0498 B22	0507 C22	0516 D22	0525 E22	0534 F22	0543 G22	0552 H22	0561 I22	0570 J22	0579 K22	0588 L22	0597 M22	0606 N22	0615 O22	0624 P22	0633 Q22	0642 R22	0651 S22	0660 T22	0669 U22	0678 V22	0687 W22	0696 X22	0705 Y22	0714 Z22	0723 a22	894 b22	903 c22	912 d22	921 e22	930 f22	939 g22	948 h22	957 i22	966 j22	1020 k22	1036 l22	1052 m22	1068 n22
23	0490 A23	0499 B23	0508 C23	0517 D23	0526 E23	0535 F23	0544 G23	0553 H23	0562 I23	0571 J23	0580 K23	0589 L23	0598 M23	0607 N23	0616 O23	0625 P23	0634 Q23	0643 R23	0652 S23	0661 T23	0670 U23	0679 V23	0688 W23	0697 X23	0706 Y23	0715 Z23	0724 a23	895 b23	904 c23	913 d23	922 e23	931 f23	940 g23	949 h23	958 i23	967 j23	1021 k23	1037 l23	1053 m23	1069 n23
24	0491 A24	0500 B24	0509 C24	0518 D24	0527 E24	0536 F24	0545 G24	0554 H24	0563 I24	0572 J24	0581 K24	0590 L24	0599 M24	0608 N24	0617 O24	0626 P24	0635 Q24	0644 R24	0653 S24	0662 T24	0671 U24	0680 V24	0689 W24	0698 X24	0707 Y24	0716 Z24	0725 a24	896 b24	905 c24	914 d24	923 e24	932 f24	941 g24	950 h24	959 i24	968 j24	1022 k24	1038 l24	1054 m24	1070 n24
25	0492 A25	0501 B25	0510 C25	0519 D25	0528 E25	0537 F25	0546 G25	0555 H25	0564 I25	0573 J25	0582 K25	0591 L25	0600 M25	0609 N25	0618 O25	0627 P25	0636 Q25	0645 R25	0654 S25	0663 T25	0672 U25	0681 V25	0690 W25	0699 X25	0708 Y25	0717 Z25	0726 a25	897 b25	906 c25	915 d25	924 e25	933 f25	942 g25	951 h25	960 i25	969 j25	1023 k25	1039 l25	1055 m25	1071 n25
26	0493 A26	0502 B26	0511 C26	0520 D26	0529 E26	0538 F26	0547 G26	0556 H26	0565 I26	0574 J26	0583 K26	0592 L26	0601 M26	0610 N26	0619 O26	0628 P26	0637 Q26	0646 R26	0655 S26	0664 T26	0673 U26	0682 V26	0691 W26	0700 X26	0709 Y26	0718 Z26	0727 a26	898 b26	907 c26	916 d26	925 e26	934 f26	943 g26	952 h26	961 i26	970 j26	1072 k26	1074 l26	1076 m26	1078 n26
27	0494 A27	0503 B27	0512 C27	0521 D27	0530 E27	0539 F27	0548 G27	0557 H27	0566 I27	0575 J27	0584 K27	0593 L27	0602 M27	0611 N27	0620 O27	0629 P27	0638 Q27	0647 R27	0656 S27	0665 T27	0674 U27	0683 V27	0692 W27	0701 X27	0710 Y27	0719 Z27	0728 a27	899 b27	908 c27	917 d27	926 e27	935 f27	944 g27	953 h27	962 i27	971 j27	1073 k27	1075 l27	1077 m27	1079 n27

ZE490−7F, Test chart with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A−n): rgb (A−j, n), 000n (k), w (l), nnn0 (m), 5,4mm x 5,4mm, Page 4/4, ORS18

See for similar files: http://www.ps.bam.de/ZE49/; www.ps.bam.de/ZE.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

BAM registration: 20071001-ZE49/10L/L49E00FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

	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	l	m	n
01	0000 A01 18.02 0.49 −0.47	0009 B01 22.12 −7.42 4.17	0018 C01 26.23 −15.36 8.82	0027 D01 30.34 −23.29 13.46	0036 E01 34.45 −31.22 18.11	0045 F01 38.57 −39.16 22.76	0054 G01 42.68 −47.09 27.41	0063 H01 46.79 −55.03 32.05	0072 I01 50.9 −62.95 36.7	0081 J01 21.75 8.59 6.09	0090 K01 27.05 −0.95 11.6	0099 L01 31.16 −8.89 16.24	0108 M01 35.27 −16.82 20.89	0117 N01 39.38 −24.75 25.54	0126 O01 43.5 −32.69 30.19	0135 P01 47.61 −40.62 34.83	0144 Q01 51.72 −48.55 39.48	0153 R01 55.83 −56.48 44.12	0162 S01 25.49 16.69 12.66	0171 T01 30.79 7.14 18.16	0180 U01 36.1 −2.41 23.68	0189 V01 40.21 −10.34 28.32	0198 W01 44.32 −18.28 32.97	0207 X01 48.43 −26.21 37.62	0216 Y01 52.54 −34.14 42.27	0225 Z01 56.65 −42.08 46.91	0234 a01 60.76 −50.01 51.56	0243 b01 95.4 −0.98 4.75	0252 c01 89.47 7.29 10.66	0261 d01 83.53 15.57 16.58	0270 e01 77.6 23.86 22.49	0279 f01 71.67 32.15 28.4	0288 g01 65.73 40.44 34.32	0297 h01 59.8 48.72 40.23	0306 i01 53.87 57.01 46.15	0315 j01 47.94 65.29 52.06	0324 k01 18.02 0.49 −0.47	0333 l01 18.02 0.49 −0.47	0342 m01 18.02 0.49 −0.47
02	0001 A02 18.98 4.36 −5.95	0010 B02 23.08 −3.38 −5.75	0019 C02 27.2 −11.32 −1.1	0028 D02 31.31 −19.25 3.54	0037 E02 35.42 −27.18 8.19	0046 F02 39.53 −35.12 12.83	0055 G02 43.64 −43.05 17.48	0064 H02 47.75 −50.99 22.13	0073 I02 51.86 −58.91 26.77	0082 J02 21.77 9.82 −1.26	0091 K02 27.68 0.31 0.17	0100 L02 31.79 −7.62 4.83	0109 M02 35.9 −15.55 9.47	0118 N02 40.01 −23.48 14.12	0127 O02 44.12 −31.42 18.77	0136 P02 48.24 −39.35 23.42	0145 Q02 52.35 −47.28 28.06	0154 R02 56.46 −55.21 32.71	0163 S02 25.52 17.93 5.3	0172 T02 31.42 8.41 6.75	0181 U02 36.73 −1.14 12.26	0190 V02 40.84 −9.07 16.91	0199 W02 44.95 −17.01 21.55	0208 X02 49.06 −24.94 26.2	0217 Y02 53.17 −32.87 30.85	0226 Z02 57.28 −40.81 35.5	0235 a02 61.39 −48.73 40.14	0730 b02 90.8 −4.69 −1.17	0739 c02 85.73 0.8 4.09	0748 d02 79.8 7.48 10.01	0757 e02 73.86 15.77 15.93	0766 f02 67.93 24.05 21.84	0775 g02 62.0 32.34 27.76	0784 h02 56.06 40.63 33.67	0793 i02 50.13 48.92 39.58	0802 j02 44.2 57.2 45.49	0973 k02 27.68 0.31 0.17	0982 l02 27.68 0.31 0.17	0991 m02 27.68 0.31 0.17
03	0002 A03 19.94 8.23 −11.43	0011 B03 24.05 0.48 −11.23	0020 C03 28.16 −7.27 −11.03	0029 D03 32.27 −15.21 −6.38	0038 E03 36.38 −23.14 −1.74	0047 F03 40.49 −31.08 2.9	0056 G03 44.61 −39.01 7.55	0065 H03 48.72 −46.94 12.2	0074 I03 52.83 −54.87 16.84	0083 J03 22.74 13.69 −6.74	0092 K03 28.64 4.18 −5.3	0101 L03 32.76 −3.57 −5.1	0110 M03 36.87 −11.51 −0.45	0119 N03 40.98 −19.44 4.19	0128 O03 45.09 −27.37 8.84	0137 P03 49.2 −35.31 13.48	0146 Q03 53.31 −43.24 18.13	0155 R03 57.42 −51.17 22.78	0164 S03 25.54 19.16 −2.05	0173 T03 31.45 9.65 −0.6	0182 U03 37.36 0.12 0.82	0191 V03 41.47 −7.8 5.48	0200 W03 45.58 −15.74 10.13	0209 X03 49.69 −23.67 14.77	0218 Y03 53.8 −31.6 19.42	0227 Z03 57.91 −39.54 24.07	0236 a03 62.02 −47.46 28.71	0731 b03 86.2 −8.39 −7.11	0740 c03 81.13 4.5 −1.83	0749 d03 76.06 −0.61 3.44	0758 e03 70.12 7.67 9.36	0767 f03 64.19 15.95 15.27	0776 g03 58.25 24.24 21.19	0785 h03 52.32 32.53 27.1	0794 i03 46.39 40.82 33.02	0803 j03 40.46 49.1 38.93	0974 k03 37.36 0.12 0.82	0983 l03 37.36 0.12 0.82	0992 m03 37.36 0.12 0.82	1001 n03 37.36 0.12 0.82
04	0003 A04 20.9 12.1 −16.92	0012 B04 25.01 4.34 −16.72	0021 C04 29.12 −3.41 −16.52	0030 D04 33.24 −11.17 −16.32	0039 E04 37.35 −19.1 −11.67	0048 F04 41.46 −27.03 −7.02	0057 G04 45.57 −34.97 −2.37	0066 H04 49.68 −42.9 2.26	0075 I04 53.79 −50.83 6.91	0084 J04 23.7 17.56 −12.23	0093 K04 29.61 8.05 −10.78	0102 L04 33.72 0.29 −10.58	0111 M04 37.83 −7.46 −10.38	0120 N04 41.94 −15.4 −5.73	0129 O04 46.06 −23.33 −1.09	0138 P04 50.17 −31.26 3.55	0147 Q04 54.28 −39.2 8.2	0156 R04 58.39 −47.13 12.84	0165 S04 26.5 23.03 −7.53	0174 T04 32.41 13.52 −6.09	0183 U04 38.32 3.99 −4.64	0192 V04 42.43 −3.76 −4.44	0201 W04 46.54 −11.69 0.19	0210 X04 50.65 −19.63 4.84	0219 Y04 54.77 −27.56 9.49	0228 Z04 58.88 −35.49 14.14	0237 a04 62.98 −43.42 18.78	0732 b04 81.6 −12.1 −13.05	0741 c04 76.53 −8.21 −7.77	0750 d04 71.46 −4.32 −2.48	0759 e04 66.38 −0.43 2.79	0768 f04 60.45 7.85 8.71	0777 g04 54.51 16.14 14.62	0786 h04 48.58 24.43 20.53	0795 i04 42.65 32.71 26.45	0804 j04 36.72 40.99 32.36	0975 k04 47.03 −0.05 1.48	0984 l04 47.03 −0.05 1.48	0993 m04 47.03 −0.05 1.48	1002 n04 47.03 −0.05 1.48
05	0004 A05 21.87 15.91 −22.41	0013 B05 25.98 8.21 −22.2	0022 C05 30.09 0.45 −22.0	0031 D05 34.2 −7.3 −21.8	0040 E05 38.31 −15.06 −21.6	0049 F05 42.42 −22.99 −16.95	0058 G05 46.54 −30.92 −12.31	0067 H05 50.65 −38.86 −7.66	0076 I05 54.76 −46.79 −3.01	0085 J05 24.67 21.43 −17.71	0094 K05 30.57 11.92 −16.27	0103 L05 34.68 4.16 −16.07	0112 M05 38.8 −3.59 −15.87	0121 N05 42.91 −11.36 −15.67	0130 O05 47.02 −19.29 −11.02	0139 P05 51.13 −27.22 −6.37	0148 Q05 55.24 −35.16 −1.72	0157 R05 59.35 −43.08 2.91	0166 S05 27.47 26.9 −12.6	0175 T05 33.37 17.38 −11.58	0184 U05 39.28 7.86 −10.13	0193 V05 43.4 0.1 −9.93	0202 W05 47.51 −7.65 −9.73	0211 X05 51.62 −15.58 −5.08	0220 Y05 55.73 −23.52 −0.43	0229 Z05 59.84 −31.45 4.2	0238 a05 63.95 −39.38 8.85	0733 b05 77.5 −15.8 −18.99	0742 c05 71.93 −11.91 −13.71	0751 d05 66.86 −8.02 −8.42	0760 e05 61.78 −4.13 −3.14	0769 f05 56.71 −0.24 2.13	0778 g05 50.77 8.04 8.05	0787 h05 44.84 16.33 15.97	0796 i05 38.9 24.61 19.88	0805 j05 32.97 32.89 25.79	0976 k05 56.71 −0.24 2.13	0985 l05 56.71 −0.24 2.13	0994 m05 56.71 −0.24 2.13	1003 n05 56.71 −0.24 2.13
06	0005 A06 22.83 19.84 −27.89	0014 B06 26.94 12.08 −27.69	0023 C06 31.05 4.32 −27.49	0032 D06 35.16 −3.43 −27.29	0041 E06 39.28 −11.19 −27.09	0050 F06 43.39 −18.95 −26.89	0059 G06 47.5 −26.88 −22.24	0068 H06 51.61 −34.82 −17.59	0077 I06 55.72 −42.74 −12.95	0086 J06 25.63 23.5 −23.2	0095 K06 31.54 15.28 −21.76	0104 L06 35.65 8.02 −21.56	0113 M06 39.76 0.26 −21.35	0122 N06 43.87 −7.49 −21.15	0131 O06 47.99 −15.25 −20.95	0140 P06 52.1 −23.18 −16.3	0149 Q06 56.21 −31.11 −11.66	0158 R06 60.32 −39.04 −7.01	0167 S06 28.43 30.77 −18.51	0176 T06 34.34 21.25 −17.06	0185 U06 40.25 11.73 −15.62	0194 V06 44.36 3.97 −15.42	0203 W06 48.47 −3.78 −15.21	0212 X06 52.58 −11.54 −15.01	0221 Y06 56.7 −19.48 −10.37	0230 Z06 60.81 −27.41 −5.72	0239 a06 64.91 −35.34 −1.07	0734 b06 72.41 −19.51 −24.92	0743 c06 67.34 −15.62 −19.64	0752 d06 62.26 −11.73 −14.36	0761 e06 57.18 −7.84 −9.07	0770 f06 52.11 −3.94 −3.79	0779 g06 47.03 0.05 1.48	0788 h06 41.1 8.12 7.4	0797 i06 35.16 16.51 13.31	0806 j06 29.23 24.79 19.22	0977 k06 66.38 −0.43 2.79	0986 l06 66.38 −0.43 2.79	0995 m06 66.38 −0.43 2.79	1004 n06 66.38 −0.43 2.79
07	0006 A07 29.79 23.7 −33.38	0015 B07 33.9 15.95 −33.18	0024 C07 38.02 8.19 −32.98	0033 D07 42.13 0.43 −32.77	0042 E07 46.24 −7.32 −32.57	0051 F07 50.35 −15.08 −32.37	0060 G07 54.47 −22.84 −32.17	0069 H07 58.58 −30.77 −27.52	0078 I07 62.69 −38.7 −22.88	0087 J07 26.6 29.17 −28.69	0096 K07 32.5 19.65 −27.24	0105 L07 36.61 11.89 −27.04	0114 M07 40.72 4.13 −26.84	0123 N07 44.83 −3.62 −26.64	0132 O07 48.95 −11.38 −26.44	0141 P07 53.06 −19.14 −26.24	0150 Q07 57.17 −27.07 −21.59	0159 R07 61.28 −35.0 −16.94	0168 S07 29.39 34.64 −23.99	0177 T07 35.3 25.12 −22.55	0186 U07 41.21 15.6 −21.1	0195 V07 45.32 7.84 −20.9	0204 W07 49.43 0.08 −20.5	0213 X07 53.54 −7.67 −20.3	0222 Y07 57.66 −15.43 −20.3	0231 Z07 61.77 −23.37 −15.65	0240 a07 65.88 −31.29 −11.01	0735 b07 67.8 −23.21 −30.86	0744 c07 62.73 −19.32 −25.58	0753 d07 57.65 −15.43 −20.3	0762 e07 52.58 −11.54 −15.01	0771 f07 47.5 −7.65 −9.73	0780 g07 42.43 −3.76 −4.44	0789 h07 36.5 0.12 0.82	0798 i07 30.57 8.41 6.75	0807 j07 24.65 16.69 12.66	0978 k07 76.06 −0.61 3.44	0987 l07 76.06 −0.61 3.44	0996 m07 76.06 −0.61 3.44	1005 n07 76.06 −0.61 3.44
08	0007 A08 25.72 24.76 −38.86	0016 B08 31.84 28.87 −38.66	0025 C08 37.96 32.98 −38.46	0034 D08 43.9 37.09 −38.26	0043 E08 41.2 41.2 −38.06	0052 F08 45.32 −3.45 −37.86	0061 G08 49.43 −11.21 −37.66	0070 H08 53.54 −18.97 −37.46	0079 I08 57.65 −26.73 −32.81	0088 J08 27.56 33.04 −34.17	0097 K08 33.46 23.52 −32.73	0106 L08 37.58 15.76 −32.53	0115 M08 41.69 8.0 −32.33	0124 N08 45.8 0.24 −32.13	0133 O08 49.91 −7.51 −31.92	0142 P08 54.03 −15.27 −31.72	0151 Q08 58.14 −23.03 −31.52	0160 R08 62.25 −30.76 −26.88	0169 S08 30.36 −29.48 −29.08	0178 T08 36.26 38.51 −28.03	0187 U08 42.17 28.89 −26.59	0196 V08 46.29 19.47 −26.39	0205 W08 50.4 11.79 −26.19	0214 X08 54.51 −3.8 −25.99	0223 Y08 58.62 −11.56 −25.78	0232 Z08 62.74 −19.32 −25.58	0241 a08 66.84 −27.25 −20.94	0736 b08 63.21 −26.92 −36.8	0745 c08 58.14 −23.03 −31.52	0754 d08 53.06 −19.14 −26.24	0763 e08 47.99 −15.25 −20.95	0772 f08 42.91 −11.36 −15.67	0781 g08 37.83 −7.46 −10.38	0790 h08 32.76 −3.57 −5.1	0799 i08 27.68 0.31 0.17	0808 j08 21.75 8.59 6.09	0979 k08 85.73 −0.8 4.09	0988 l08 85.73 −0.8 4.09	0997 m08 85.73 −0.8 4.09	1006 n08 85.73 −0.8 4.09
09	0008 A09 25.72 27.26 −44.35	0017 B09 29.83 17.75 −44.14	0026 C09 33.94 8.22 −43.94	0035 D09 38.06 1.32 −43.74	0044 E09 42.17 −9.26 −43.54	0053 F09 46.28 −17.19 −43.34	0062 G09 50.39 −25.13 −43.14	0071 H09 54.51 −33.06 −42.94	0080 I09 58.61 −40.97 −42.74	0089 J09 28.52 36.9 −39.65	0098 K09 34.43 27.39 −38.21	0107 L09 38.54 19.63 −37.81	0116 M09 42.65 11.87 −37.41	0125 N09 46.76 4.11 −37.01	0134 O09 50.88 −3.64 −36.61	0143 P09 54.99 −11.4 −36.21	0152 Q09 59.1 −19.16 −35.81	0161 R09 63.21 −26.92 −36.8	0170 S09 31.32 42.37 −34.35	0179 T09 37.23 32.86 −32.9	0188 U09 43.14 23.33 −31.45	0197 V09 47.25 15.57 −31.67	0206 W09 51.36 7.81 −31.47	0215 X09 55.47 0.05 −31.27	0224 Y09 59.59 −7.7 −31.07	0737 b09 58.61 −30.62 −42.74	0746 c09 53.54 −26.73 −37.46	0755 d09 48.47 −22.84 −32.19	0764 e09 43.39 −18.95 −26.89	0773 f09 38.31 −15.06 −21.6	0782 g09 33.24 −11.17 −16.32	0791 h09 28.16 −7.27 −11.03	0800 i09 23.08 −3.38 −5.75	0809 j09 18.02 0.49 −0.47	0980 k09 95.4 −0.98 4.75	0989 l09 95.4 −0.98 4.75	0998 m09 95.4 −0.98 4.75	1007 n09 95.4 −0.98 4.75
10	0243 A10 29.23 24.79 19.22	0252 B10 34.53 15.24 24.73	0261 C10 39.84 5.68 30.24	0270 D10 45.14 −3.87 35.76	0279 E10 49.25 −11.8 40.4	0288 F10 53.36 −19.73 45.05	0297 G10 57.47 −27.67 49.7	0306 H10 61.59 −35.6 54.35	0315 I10 65.69 −43.53 58.99	0324 J10 32.97 32.89 25.79	0333 K10 38.27 23.34 31.3	0342 L10 43.58 13.78 36.81	0351 M10 48.88 4.22 42.32	0360 N10 54.19 −5.32 47.84	0369 O10 58.3 −13.26 52.48	0378 P10 62.41 −21.19 57.13	0387 Q10 66.52 −29.13 61.78	0396 R10 70.63 −37.05 66.42	0405 S10 40.99 −13.02 32.36	0414 T10 46.92 12.74 37.87	0423 U10 42.02 21.88 43.38	0432 V10 47.42 12.33 48.89	0441 W10 52.62 2.77 54.4	0450 X10 57.93 −6.78 59.92	0459 Y10 63.23 −14.72 64.56	0468 Z10 67.34 −22.65 69.21	0477 a10 71.45 −30.58 73.85	0810 b10 95.4 −0.98 4.75	0819 c10 94.7 −2.26 16.17	0828 d10 94.14 −3.53 27.6	0837 e10 93.51 −4.8 39.02	0846 f10 92.88 −6.07 50.45	0855 g10 92.25 −7.34 61.88	0864 h10 91.62 −8.61 73.3	0873 i10 90.99 −9.88 84.73	0882 j10 90.36 −11.15 96.15	1008 k10 18.02 0.49 −0.47	1024 l10 18.02 0.49 −0.47	1040 m10 18.02 0.49 −0.47	1056 n10 18.02 0.49 −0.47
11	0244 A11 35.16 26.03 11.87	0253 B11 40.47 16.51 13.31	0262 C11 45.77 6.9 18.83	0271 D11 51.08 −2.6 24.34	0280 E11 55.19 −10.53 28.99	0289 F11 59.3 −18.46 33.63	0298 G11 63.42 −26.4 38.28	0307 H11 67.53 −34.33 42.93	0316 I11 71.64 −42.26 47.57	0325 J11 33.9 34.13 18.44	0334 K11 39.1 24.61 19.88	0343 L11 44.3 15.05 25.39	0352 M11 49.51 5.5 30.91	0361 N11 54.72 −4.05 36.42	0370 O11 59.83 −11.99 41.07	0379 P11 64.95 −19.92 45.71	0388 Q11 70.06 −27.86 50.36	0397 R11 75.17 −35.78 55.01	0406 S11 43.47 42.23 25.0	0415 T11 49.38 32.71 26.45	0424 U11 55.29 23.16 31.96	0433 V11 59.4 13.6 37.47	0442 W11 63.51 4.04 42.99	0451 X11 67.62 −5.51 48.5	0460 Y11 71.73 −13.44 53.15	0469 Z11 75.84 −21.38 57.79	0478 a11 79.95 −29.31 62.44	0811 b11 86.69 3.06 −1.37	0820 c11 85.73 −0.8 4.09	0829 d11 84.77 −2.07 15.53	0838 e11 83.81 −3.34 26.95	0847 f11 82.85 −4.61 38.38	0856 g11 81.89 −5.88 49.81	0865 h11 80.93 −7.15 61.23	0874 i11 79.97 −8.43 72.66	0883 j11 79.01 −9.7 84.08	1009 k11 22.13 0.4 −0.12	1025 l11 23.17 0.4 −0.12	1041 m11 23.17 0.4 −0.12	1057 n11 23.17 0.4 −0.12
12	0245 A12 29.28 27.26 4.51	0254 B12 35.19 17.75 5.95	0263 C12 41.1 8.22 7.4	0272 D12 46.4 1.32 12.91	0281 E12 50.51 −9.26 17.56	0290 F12 54.62 −17.19 22.21	0299 G12 58.73 −25.13 26.85	0308 H12 62.85 −33.06 31.5	0317 I12 66.95 −40.99 36.15	0326 J12 33.02 35.36 11.08	0335 K12 38.93 25.85 12.52	0344 L12 44.84 16.33 13.97	0353 M12 50.14 6.7 19.48	0362 N12 55.45 −2.9 24.99	0371 O12 59.56 −10.72 29.64	0380 P12 63.67 −18.65 34.29	0389 Q12 67.78 −26.58 38.93	0398 R12 71.89 −34.51 43.58	0407 S12 34.7 43.47 17.65	0416 T12 42.67 52.95 19.09	0425 U12 48.58 24.43 20.53	0434 V12 53.88 14.87 26.05	0443 W12 59.19 5.31 31.56	0452 X12 64.49 −4.24 37.07	0461 Y12 68.6 −12.17 41.72	0470 Z12 72.71 −20.11 46.37	0479 a12 76.82 −28.03 51.01	0812 b12 77.98 5.31 −7.51	0821 c12 77.02 3.25 −2.03	0830 d12 76.06 −0.61 3.44	0839 e12 75.4 −1.88 14.87	0848 f12 74.8 −3.15 26.3	0857 g12 74.17 −4.43 37.73	0866 h12 73.54 −5.7 49.15	0875 i12 72.9 −6.97 60.58	0884 j12 72.28 −8.24 72.0	1010 k12 28.33 0.3 0.21	1026 l12 28.33 0.3 0.21	1042 m12 28.33 0.3 0.21	1058 n12 28.33 0.3 0.21
13	0246 A13 29.3 28.5 −2.84	0255 B13 35.21 18.98 −1.39	0264 C13 41.12 9.46 0.04	0273 D13 47.03 −0.05 1.48	0282 E13 51.14 −7.99 6.13	0291 F13 55.25 −15.92 10.78	0300 G13 59.36 −23.86 15.43	0309 H13 63.48 −31.79 20.08	0318 I13 67.58 −39.72 24.72	0327 J13 33.05 36.6 5.2	0336 K13 38.95 27.08 6.6	0345 L13 44.86 17.56 8.05	0354 M13 50.77 8.04 9.51	0363 N13 56.68 −1.51 13.57	0372 O13 60.19 −9.45 18.21	0381 P13 64.3 −17.38 22.86	0390 Q13 68.41 −25.31 27.51	0399 R13 72.52 −33.24 32.15	0408 S13 36.79 44.19 10.29	0417 T13 42.69 35.19 11.73	0426 U13 48.6 25.66 13.18	0435 V13 54.5 16.14 14.62	0444 W13 60.41 6.58 20.13	0453 X13 64.52 −2.97 25.65	0462 Y13 69.23 −10.9 30.29	0471 Z13 73.34 −18.84 34.94	0480 a13 77.45 −26.76 39.59	0813 b13 69.27 11.17 −13.65	0822 c13 68.31 7.3 −8.17	0831 d13 67.34 3.43 −2.68	0840 e13 66.38 −0.43 2.79	0849 f13 65.75 −1.7 14.22	0858 g13 65.12 −2.97 25.65	0867 h13 64.49 −4.24 37.07	0876 i13 63.86 −5.51 48.5	0885 j13 63.23 −6.78 59.92	1011 k13 33.49 0.2 0.56	1027 l13 33.49 0.2 0.56	1043 m13 33.49 0.2 0.56	1059 n13 33.49 0.2 0.56
14	0247 A14 30.27 32.37 −8.32	0256 B14 36.17 22.85 −6.88	0265 C14 42.08 13.33 −5.44	0274 D14 47.99 3.81 −3.99	0283 E14 52.11 −3.94 −3.79	0292 F14 56.22 −11.88 0.85	0301 G14 60.33 −19.81 5.5	0310 H14 64.44 −27.75 10.14	0319 I14 68.55 −35.67 14.79	0328 J14 33.07 37.84 −3.63	0337 K14 38.98 28.32 −2.19	0346 L14 44.89 18.8 −0.74	0355 M14 50.8 9.27 0.69	0364 N14 56.71 −0.24 2.13	0373 O14 60.82 −8.17 6.79	0382 P14 64.93 −16.11 11.43	0391 Q14 69.04 −24.04 16.08	0400 R14 73.15 −31.97 20.73	0409 S14 36.81 45.94 2.93	0418 T14 42.72 36.42 4.37	0427 U14 48.63 26.9 5.82	0436 V14 54.54 17.37 7.26	0445 W14 60.45 7.85 8.71	0454 X14 65.75 −1.7 14.22	0463 Y14 69.86 −9.63 18.87	0472 Z14 73.97 −17.57 23.51	0481 a14 78.08 −25.49 28.16	0814 b14 60.56 15.22 −19.79	0823 c14 59.6 11.36 −14.31	0832 d14 58.63 7.49 −8.82	0841 e14 57.67 3.62 −3.34	0850 f14 56.71 −2.24 2.13	0859 g14 56.08 −1.51 13.57	0868 h14 55.45 −0.78 24.99	0877 i14 54.82 −0.05 36.4	0886 j14 54.19 −5.32 47.84	1012 k14 38.65 0.1 0.91	1028 l14 38.65 0.1 0.91	1044 m14 38.65 0.1 0.91	1060 n14 38.65 0.1 0.91
15	0248 A15 37.14 36.24 −13.81	0257 B15 43.05 26.72 −12.37	0266 C15 48.96 17.7 −10.92	0275 D15 53.07 7.67 −9.48	0284 E15 57.18 −0.08 −9.28	0293 F15 61.29 −7.84 −9.07	0302 G15 65.41 −15.77 −4.43	0311 H15 69.51 −23.7 0.21	0320 I15 73.62 −31.63 4.86	0329 J15 34.03 41.71 −9.12	0338 K15 39.94 32.19 −7.67	0347 L15 45.85 22.67 −6.23	0356 M15 51.76 13.14 −4.78	0365 N15 57.67 3.62 −3.34	0

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01	0000 A01 18.02 0.49 -0.47	0009 B01 22.12 -7.42 4.17	0018 C01 26.23 -15.36 8.82	0027 D01 30.34 -23.29 13.46	0036 E01 34.45 -31.22 18.11	0045 F01 38.57 -39.16 22.76	0054 G01 42.68 -47.09 27.41	0063 H01 46.79 -55.03 32.05	0072 I01 50.9 -62.95 36.7	0081 J01 21.75 8.59 6.09	0090 K01 27.05 -0.95 11.6	0099 L01 31.16 -8.89 16.24	0108 M01 35.27 -16.82 20.89	0117 N01 39.38 -24.75 25.54	0126 O01 43.5 -32.69 30.19	0135 P01 47.61 -40.62 34.83	0144 Q01 51.72 -48.55 39.48	0153 R01 55.83 -56.48 44.12	0162 S01 25.49 16.69 12.66	0171 T01 30.79 7.14 18.16	0180 U01 36.1 -2.41 23.68	0189 V01 40.21 -10.34 28.32	0198 W01 44.32 -18.28 32.97	0207 X01 48.43 -26.21 37.62	0216 Y01 52.54 -34.14 42.27	0225 Z01 56.65 -42.08 46.91	0234 a01 60.76 -50.01 51.56	0243 b01 95.4 -0.98 4.75	0252 c01 89.47 7.29 10.66	0261 d01 83.53 15.57 16.58	0270 e01 77.6 23.86 22.49	0279 f01 71.67 32.15 28.4	0288 g01 65.73 40.44 34.32	0297 h01 59.8 48.72 40.23	0306 i01 53.87 57.01 46.15	0315 j01 47.94 65.29 52.06	0324 k01 18.02 0.49 -1.47	0333 l01 18.02 0.49 -0.47	0342 m01 18.02 0.49 -0.47	0351 n01 18.02 0.49 -0.47
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06	0005 A06 22.83 19.84 −27.89	0014 B06 26.94 12.08 −27.69	0023 C06 31.05 4.32 −27.49	0032 D06 35.16 −3.43 −27.29	0041 E06 39.28 −11.19 −27.09	0050 F06 43.39 −18.95 −26.89	0059 G06 47.5 −26.88 −22.24	0068 H06 51.61 −34.82 −17.59	0077 I06 55.72 −42.74 −12.95	0086 J06 25.63 23.5 −23.2	0095 K06 31.54 15.28 −21.76	0104 L06 35.65 8.02 −21.56	0113 M06 39.76 0.26 −21.35	0122 N06 43.87 −7.49 −21.15	0131 O06 47.99 −15.25 −20.95	0140 P06 52.1 −23.18 −16.3	0149 Q06 56.21 −31.11 −11.66	0158 R06 60.32 −39.04 −7.01	0167 S06 28.43 30.77 −18.51	0176 T06 34.34 21.25 −17.06	0185 U06 40.25 11.73 −15.62	0194 V06 44.36 3.97 −15.42	0203 W06 48.47 −3.78 −15.21	0212 X06 52.58 −11.54 −15.01	0221 Y06 56.7 −19.48 −10.37	0230 Z06 60.81 −27.41 −5.72	0239 a06 64.91 −35.34 −1.07	0734 b06 72.41 −19.51 −24.92	0743 c06 67.34 −15.62 −19.64	0752 d06 62.26 −11.73 −14.36	0761 e06 57.18 −7.84 −9.07	0770 f06 52.11 −3.94 −3.79	0779 g06 47.03 0.05 1.48	0788 h06 41.1 8.12 7.4	0797 i06 35.16 16.51 13.31	0806 j06 29.23 24.79 19.22	0977 k06 66.38 −0.43 2.79	0986 l06 66.38 −0.43 2.79	0995 m06 66.38 −0.43 2.79	1004 n06 66.38 −0.43 2.79
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08	0007 A08 24.76 27.5 −38.86	0016 B08 28.87 19.82 −38.66	0025 C08 32.98 12.06 −38.46	0034 D08 37.09 4.3 −38.26	0043 E08 41.2 −3.45 −38.06	0052 F08 45.32 −11.21 −37.86	0061 G08 49.43 −18.97 −37.66	0070 H08 53.54 −26.73 −37.46	0079 I08 57.65 −34.66 −32.81	0088 J08 26.8 33.04 −34.17	0097 K08 32.46 23.52 −32.73	0106 L08 36.58 15.76 −32.53	0115 M08 40.69 8.0 −32.33	0124 N08 44.8 0.24 −32.13	0133 O08 48.91 −7.51 −31.92	0142 P08 53.03 −15.27 −31.72	0151 Q08 57.14 −23.03 −31.52	0160 R08 61.25 −30.76 −26.88	0169 S08 30.36 38.51 −29.48	0178 T08 36.26 28.89 −28.03	0187 U08 42.17 19.47 −26.59	0196 V08 46.29 11.7 −26.39	0205 W08 50.4 3.93 −26.19	0214 X08 54.51 −3.84 −25.99	0223 Y08 58.62 −11.56 −25.78	0232 Z08 62.74 −19.32 −25.58	0241 a08 66.84 −27.25 −20.94	0736 b08 63.21 −26.92 −36.8	0745 c08 58.14 −23.03 −31.52	0754 d08 53.06 −19.14 −26.24	0763 e08 47.99 −15.25 −20.95	0772 f08 42.91 −11.36 −15.67	0781 g08 37.83 −7.46 −10.38	0790 h08 32.76 −3.57 −5.1	0799 i08 27.68 0.31 0.17	0808 j08 21.75 8.59 6.09	0979 k08 85.73 −0.8 4.09	0988 l08 85.73 −0.8 4.09	0997 m08 85.73 −0.8 4.09	1006 n08 85.73 −0.8 4.09
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10	0243 A10 29.23 24.79 19.22	0252 B10 34.53 15.24 24.73	0261 C10 39.84 5.68 30.24	0270 D10 45.14 −3.87 35.76	0279 E10 49.25 −11.8 40.4	0288 F10 53.36 −19.73 45.05	0297 G10 57.47 −27.67 49.7	0306 H10 61.59 −35.6 54.35	0315 I10 65.69 −43.53 58.99	0324 J10 32.97 32.89 25.79	0333 K10 38.27 23.34 31.3	0342 L10 43.58 13.78 36.81	0351 M10 48.88 4.22 42.32	0360 N10 54.19 −5.32 47.84	0369 O10 58.3 −13.26 52.48	0378 P10 62.4 −21.19 57.13	0387 Q10 66.52 −29.13 61.78	0396 R10 70.63 −37.05 66.42	0405 S10 40.99 36.72 32.36	0414 T10 46.92 31.44 37.87	0423 U10 42.42 21.88 43.38	0432 V10 47.92 12.33 48.89	0441 W10 52.62 2.77 54.4	0450 X10 57.93 −6.78 59.92	0459 Y10 63.23 −14.72 64.56	0468 Z10 68.53 −22.65 69.21	0477 a10 71.45 −30.58 73.85	0810 b10 75.6 −0.98 4.75	0819 c10 95.4 −2.26 16.17	0828 d10 94.4 −3.53 27.6	0837 e10 93.51 −4.8 39.02	0846 f10 92.88 −6.07 50.45	0855 g10 92.25 −7.34 61.88	0864 h10 91.62 −8.61 73.3	0873 i10 90.99 −9.88 84.73	0882 j10 90.36 −11.15 96.15	1008 k10 18.02 0.49 −0.47	1024 l10 18.02 0.49 −0.47	1040 m10 18.02 0.49 −0.47	1056 n10 18.02 0.49 −0.47
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13	0246 A13 29.3 28.5 −2.84	0255 B13 35.21 18.98 −1.39	0264 C13 41.12 9.46 0.04	0273 D13 47.03 −0.05 1.48	0282 E13 51.14 −7.99 6.13	0291 F13 55.25 −15.92 10.78	0300 G13 59.36 −23.86 15.43	0309 H13 63.48 −31.79 20.08	0318 I13 67.58 −39.72 24.72	0327 J13 33.05 36.6 5.2	0336 K13 38.96 27.08 5.16	0345 L13 44.88 17.56 6.61	0354 M13 50.77 8.04 8.05	0363 N13 56.68 −1.51 13.57	0372 O13 60.19 −9.45 18.21	0381 P13 64.3 −17.38 22.86	0390 Q13 68.41 −25.31 27.51	0399 R13 72.52 −33.24 32.15	0408 S13 36.79 25.19 10.29	0417 T13 42.69 35.19 11.73	0426 U13 48.6 25.66 13.18	0435 V13 54.51 16.14 14.62	0444 W13 59.92 6.58 20.13	0453 X13 65.32 −2.9 25.65	0462 Y13 69.23 −10.9 30.29	0471 Z13 73.34 −18.84 34.94	0480 a13 77.45 −26.76 39.59	0813 b13 69.27 11.17 −13.65	0822 c13 68.31 7.3 −8.17	0831 d13 67.34 3.4 −2.68	0840 e13 66.38 −0.43 2.79	0849 f13 65.75 −1.7 14.22	0858 g13 65.12 −2.97 25.65	0867 h13 64.49 −4.24 37.07	0876 i13 63.86 −5.51 48.5	0885 j13 63.23 −6.78 59.92	1011 k13 33.49 0.2 0.56	1027 l13 33.49 0.2 0.56	1043 m13 33.49 0.2 0.56	1059 n13 33.49 0.2 0.56
14	0247 A14 30.27 32.37 −8.32	0256 B14 36.17 22.85 −6.88	0265 C14 42.08 13.33 −5.44	0274 D14 47.99 3.81 −3.99	0283 E14 52.11 −3.94 −3.79	0292 F14 56.22 −11.88 0.85	0301 G14 60.33 −19.81 5.5	0310 H14 64.44 −27.75 10.14	0319 I14 68.55 −35.67 14.79	0328 J14 33.07 37.84 −3.63	0337 K14 38.98 28.32 −1.19	0346 L14 44.89 18.8 0.69	0355 M14 50.8 9.27 2.13	0364 N14 56.71 −0.24 6.79	0373 O14 60.82 −8.17 11.43	0382 P14 64.93 −16.11 16.08	0391 Q14 69.04 −24.04 20.73	0400 R14 73.15 −31.97 25.37	0409 S14 36.81 45.94 2.93	0418 T14 42.72 36.42 4.37	0427 U14 48.63 26.9 5.82	0436 V14 54.54 17.37 7.26	0445 W14 60.45 7.85 8.71	0454 X14 65.75 −1.7 14.22	0463 Y14 69.86 −9.63 18.87	0472 Z14 73.97 −17.57 23.51	0481 a14 78.08 −25.49 28.16	0814 b14 60.56 15.22 −19.79	0823 c14 59.6 11.36 −14.31	0832 d14 58.63 7.49 −8.82	0841 e14 57.67 3.62 −3.34	0850 f14 56.71 −0.24 2.13	0859 g14 56.08 −1.51 13.57	0868 h14 55.45 −2.78 24.99	0877 i14 54.82 −4.05 36.42	0886 j14 54.19 −5.32 47.84	1012 k14 38.65 0.1 0.91	1028 l14 38.65 0.1 0.91	1044 m14 38.65 0.1 0.91	1060 n14 38.65 0.1 0.91
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02	0001 A02 18.98 4.36 −5.95	0010 B02 23.08 −3.38 −5.75	0019 C02 27.2 −11.32 −1.1	0028 D02 31.31 −19.25 3.54	0037 E02 35.42 −27.18 8.19	0046 F02 39.53 −35.12 12.83	0055 G02 43.64 −43.05 17.48	0064 H02 47.75 −50.99 22.13	0073 I02 51.86 −58.91 26.77	0082 J02 21.77 9.82 −1.26	0091 K02 27.68 0.31 0.17	0100 L02 31.79 −7.62 4.83	0109 M02 35.9 −15.55 9.47	0118 N02 40.01 −23.48 14.12	0127 O02 44.12 −31.42 18.77	0136 P02 48.24 −39.35 23.42	0145 Q02 52.35 −47.28 28.06	0154 R02 56.46 −55.21 32.71	0163 S02 25.52 17.93 5.3	0172 T02 31.42 8.41 6.75	0181 U02 36.73 −1.14 12.26	0190 V02 40.84 −9.07 16.91	0199 W02 44.95 −17.01 21.55	0208 X02 49.06 −24.94 26.2	0217 Y02 53.17 −32.87 30.85	0226 Z02 57.28 −40.81 35.5	0235 a02 61.39 −48.73 40.14	0730 b02 90.8 −4.69 −1.17	0739 c02 85.73 −0.8 4.09	0748 d02 79.8 7.48 10.01	0757 e02 73.86 15.77 15.93	0766 f02 67.93 24.05 21.84	0775 g02 62.0 32.34 27.76	0784 h02 56.06 40.63 33.67	0793 i02 50.13 48.92 39.58	0802 j02 44.2 57.2 45.49	0973 k02 27.68 0.31 0.17	0982 l02 27.68 0.31 0.17	0991 m02 27.68 0.31 0.17	1000 n02 27.68 0.31 0.17
03	0002 A03 19.94 8.23 −11.43	0011 B03 24.05 0.48 −11.23	0020 C03 28.16 −7.27 −11.03	0029 D03 32.27 −15.21 −6.38	0038 E03 36.38 −23.14 −1.74	0047 F03 40.49 −31.08 2.9	0056 G03 44.61 −39.01 7.55	0065 H03 48.72 −46.94 12.2	0074 I03 52.83 −54.87 16.84	0083 J03 22.74 13.69 −6.74	0092 K03 28.64 4.18 −5.3	0101 L03 32.76 −3.57 −5.1	0110 M03 36.87 −11.51 −0.45	0119 N03 40.98 −19.44 4.19	0128 O03 45.09 −27.37 8.84	0137 P03 49.2 −35.31 13.48	0146 Q03 53.31 −43.24 18.13	0155 R03 57.42 −51.17 22.78	0164 S03 25.54 19.16 −2.05	0173 T03 31.45 19.65 −0.6	0182 U03 37.36 10.15 0.82	0191 V03 41.47 −7.8 5.48	0200 W03 45.58 −15.74 10.13	0209 X03 49.69 −23.67 14.77	0218 Y03 53.8 −31.6 19.42	0227 Z03 57.91 −39.54 24.07	0236 a03 62.02 −47.46 28.71	0731 b03 86.2 −8.39 −7.11	0740 c03 81.13 4.5 −1.83	0749 d03 76.06 −0.61 3.44	0758 e03 70.12 7.67 9.36	0767 f03 64.19 15.95 15.27	0776 g03 58.25 24.24 21.19	0785 h03 52.32 32.53 27.1	0794 i03 46.39 40.82 33.02	0803 j03 40.46 49.1 38.93	0974 k03 37.36 0.12 0.82	0983 l03 37.36 0.12 0.82	0992 m03 37.36 0.12 0.82	1001 n03 37.36 0.12 0.82
04	0003 A04 20.9 12.1 −16.92	0012 B04 25.01 4.34 −16.72	0021 C04 29.12 −3.41 −16.52	0030 D04 33.24 −11.17 −16.32	0039 E04 37.35 −19.1 −11.67	0048 F04 41.46 −27.03 −7.02	0057 G04 45.57 −34.97 −2.37	0066 H04 49.68 −42.9 2.26	0075 I04 53.79 −50.83 6.91	0084 J04 23.7 17.56 −12.23	0093 K04 29.61 8.05 −10.78	0102 L04 33.72 0.29 −10.58	0111 M04 37.83 −7.46 −10.38	0120 N04 41.94 −15.4 −5.73	0129 O04 46.06 −23.33 −1.09	0138 P04 50.17 −31.26 3.55	0147 Q04 54.28 −39.2 8.2	0156 R04 58.39 −47.13 12.84	0165 S04 26.5 23.03 −7.53	0174 T04 32.41 13.52 −6.09	0183 U04 38.32 3.99 −4.64	0192 V04 42.43 −5.76 −4.44	0201 W04 46.54 −13.69 0.19	0210 X04 50.65 −21.62 4.84	0219 Y04 54.77 −29.56 9.49	0228 Z04 58.88 −37.49 14.14	0237 a04 62.98 −45.42 18.78	0732 b04 81.6 −12.1 −13.05	0741 c04 76.53 −8.21 −7.77	0750 d04 71.46 −4.32 −2.48	0759 e04 66.38 −0.43 2.79	0768 f04 60.45 7.85 8.71	0777 g04 54.51 16.14 14.62	0786 h04 48.58 24.43 20.53	0795 i04 42.65 32.71 26.45	0804 j04 36.72 40.99 32.36	0975 k04 47.03 −0.05 1.48	0984 l04 47.03 −0.05 1.48	0993 m04 47.03 −0.05 1.48	1002 n04 47.03 −0.05 1.48
05	0004 A05 21.87 15.91 −22.41	0013 B05 25.98 8.21 −22.2	0022 C05 30.09 0.45 −22.0	0031 D05 34.2 −7.3 −21.8	0040 E05 38.31 −15.06 −21.6	0049 F05 42.42 −22.99 −16.95	0058 G05 46.54 −30.92 −12.31	0067 H05 50.65 −38.86 −7.66	0076 I05 54.76 −46.79 −3.01	0085 J05 24.67 21.43 −17.71	0094 K05 30.57 11.92 −16.67	0103 L05 34.68 4.16 −16.07	0112 M05 38.8 −3.59 −15.87	0121 N05 42.91 −11.36 −15.67	0130 O05 47.02 −19.29 −11.02	0139 P05 51.13 −27.22 −6.37	0148 Q05 55.24 −35.16 −1.72	0157 R05 59.35 −43.08 2.91	0166 S05 27.47 26.9 −11.58	0175 T05 33.37 17.38 −10.13	0184 U05 39.28 7.86 −9.73	0193 V05 43.4 0.1 −8.93	0202 W05 47.51 −7.65 −8.13	0211 X05 51.62 −15.58 −5.08	0220 Y05 55.73 −23.52 −0.43	0229 Z05 59.84 −31.45 4.2	0238 a05 63.95 −39.38 8.85	0733 b05 77.5 −15.8 −18.99	0742 c05 71.93 −11.91 −13.71	0751 d05 66.86 −8.02 −8.57	0760 e05 61.78 −4.13 −3.14	0769 f05 56.71 0.74 2.13	0778 g05 50.77 8.04 8.05	0787 h05 44.84 16.33 15.97	0796 i05 38.9 24.61 19.88	0805 j05 32.97 32.89 25.79	0976 k05 56.71 −0.24 2.13	0985 l05 56.71 −0.24 2.13	0994 m05 56.71 −0.24 2.13	1003 n05 56.71 −0.24 2.13
06	0005 A06 22.83 19.84 −27.89	0014 B06 26.94 12.08 −27.69	0023 C06 31.05 4.32 −27.49	0032 D06 35.16 −3.43 −27.29	0041 E06 39.28 −11.19 −27.09	0050 F06 43.39 −18.95 −26.89	0059 G06 47.5 −26.88 −22.24	0068 H06 51.61 −34.82 −17.59	0077 I06 55.72 −42.74 −12.95	0086 J06 25.63 23.5 −23.2	0095 K06 31.54 15.28 −21.76	0104 L06 35.65 8.02 −21.56	0113 M06 39.76 0.26 −21.35	0122 N06 43.87 −7.49 −21.15	0131 O06 47.99 −15.25 −20.95	0140 P06 52.1 −23.18 −16.3	0149 Q06 56.21 −31.11 −11.66	0158 R06 60.32 −39.04 −7.01	0167 S06 28.43 30.77 −18.51	0176 T06 34.34 21.25 −17.06	0185 U06 40.25 11.73 −15.62	0194 V06 44.36 3.97 −15.42	0203 W06 48.47 −3.78 −15.21	0212 X06 52.58 −11.54 −15.01	0221 Y06 56.7 −19.48 −10.37	0230 Z06 60.81 −27.41 −5.72	0239 a06 64.91 −35.34 −1.07	0734 b06 72.41 −19.51 −24.92	0743 c06 67.34 −15.62 −19.64	0752 d06 62.26 −11.73 −14.36	0761 e06 57.18 −7.84 −9.07	0770 f06 52.11 −3.94 −3.79	0779 g06 47.03 −0.05 1.48	0788 h06 41.1 8.2 7.4	0797 i06 35.16 16.51 13.31	0806 j06 29.23 24.79 19.22	0977 k06 66.38 −0.43 2.79	0986 l06 66.38 −0.43 2.79	0995 m06 66.38 −0.43 2.79	1004 n06 66.38 −0.43 2.79
07	0006 A07 29.9 23.7 −33.38	0015 B07 32.01 15.95 −33.18	0024 C07 34.12 8.19 −32.98	0033 D07 36.13 0.43 −32.77	0042 E07 38.24 −7.32 −32.57	0051 F07 40.35 −15.08 −32.37	0060 G07 42.47 −22.84 −32.17	0069 H07 44.58 −30.77 −27.52	0078 I07 46.69 −38.7 −22.88	0087 J07 26.5 29.17 −28.69	0096 K07 32.4 19.65 −27.24	0105 L07 36.41 11.89 −27.04	0114 M07 40.32 4.13 −26.84	0123 N07 44.24 −3.62 −26.64	0132 O07 48.16 −11.38 −26.44	0141 P07 52.07 −19.14 −26.24	0150 Q07 55.99 −27.07 −21.59	0159 R07 59.9 −35.0 −16.94	0168 S07 29.39 34.64 −23.99	0177 T07 35.3 25.12 −22.55	0186 U07 41.21 15.6 −21.1	0195 V07 45.32 7.84 −20.9	0204 W07 49.44 0.08 −20.5	0213 X07 53.55 −7.67 −20.3	0222 Y07 57.66 −15.43 −20.5	0231 Z07 61.77 −23.37 −15.65	0240 a07 65.88 −31.29 −11.01	0735 b07 67.8 −23.21 −30.86	0744 c07 62.74 −19.32 −25.58	0753 d07 57.67 −15.43 −20.3	0762 e07 52.59 −11.54 −15.01	0771 f07 47.51 −7.65 −9.73	0780 g07 42.43 −3.76 −4.44	0789 h07 37.36 0.12 0.82	0798 i07 32.27 8.41 6.75	0807 j07 27.18 16.69 12.66	0978 k07 76.06 −0.61 3.44	0987 l07 76.06 −0.61 3.44	0996 m07 76.06 −0.61 3.44	1005 n07 76.06 −0.61 3.44
08	0007 A08 24.76 27.5 −38.86	0016 B08 28.87 19.82 −38.66	0025 C08 32.98 12.06 −38.46	0034 D08 37.09 4.3 −38.26	0043 E08 41.2 −3.45 −38.06	0052 F08 45.32 −11.21 −37.86	0061 G08 49.43 −18.97 −37.66	0070 H08 53.54 −26.73 −37.46	0079 I08 57.65 −34.66 −32.81	0088 J08 27.56 33.04 −34.17	0097 K08 33.46 23.52 −32.73	0106 L08 37.58 15.76 −32.53	0115 M08 41.69 8.0 −32.33	0124 N08 45.8 0.24 −32.13	0133 O08 49.91 −7.51 −31.92	0142 P08 54.03 −15.27 −31.72	0151 Q08 58.14 −23.03 −31.52	0160 R08 62.25 −30.76 −26.88	0169 S08 30.36 38.51 −29.48	0178 T08 36.26 28.89 −28.03	0187 U08 42.17 19.47 −26.59	0196 V08 46.29 11.7 −26.39	0205 W08 50.4 3.93 −26.19	0214 X08 54.51 −3.84 −25.99	0223 Y08 58.62 −11.56 −25.78	0232 Z08 62.74 −19.32 −25.58	0241 a08 66.84 −27.25 −20.94	0736 b08 63.21 −26.92 −36.8	0745 c08 58.14 −23.03 −31.52	0754 d08 53.06 −19.14 −26.24	0763 e08 47.99 −15.25 −20.95	0772 f08 42.91 −11.36 −15.67	0781 g08 37.83 −7.46 −10.38	0790 h08 32.76 −3.57 −5.1	0799 i08 27.68 0.31 0.17	0808 j08 21.75 8.59 6.09	0979 k08 85.73 −0.8 4.09	0988 l08 85.73 −0.8 4.09	0997 m08 85.73 −0.8 4.09	1006 n08 85.73 −0.8 4.09
09	0008 A09 25.72 27.26 −44.35	0017 B09 29.83 17.75 −44.14	0026 C09 33.94 8.22 −43.94	0035 D09 38.06 1.32 −43.74	0044 E09 42.17 −9.26 −43.54	0053 F09 46.28 −17.19 −43.34	0062 G09 50.39 −25.13 −43.14	0071 H09 54.51 −33.06 −42.94	0080 I09 58.61 −40.97 −42.75	0089 J09 28.52 36.9 −39.65	0098 K09 34.43 27.39 −38.21	0107 L09 38.54 19.63 −37.81	0116 M09 42.65 11.87 −37.41	0125 N09 46.76 4.11 −37.01	0134 O09 50.88 −3.64 −36.61	0143 P09 54.99 −11.4 −36.21	0152 Q09 59.1 −19.16 −35.81	0161 R09 63.21 −26.92 −36.8	0170 S09 31.32 42.37 −34.25	0179 T09 37.23 32.86 −32.85	0188 U09 43.14 23.33 −32.07	0197 V09 47.25 15.57 −31.67	0206 W09 51.36 7.81 −31.67	0215 X09 55.47 0.05 −31.47	0224 Y09 59.59 −7.7 −31.27	0233 Z09 63.7 −15.46 −31.06	0242 a09 67.81 −23.21 −30.86	0737 b09 58.61 −30.62 −42.74	0746 c09 53.54 −26.73 −37.46	0755 d09 48.47 −22.84 −32.17	0764 e09 43.39 −18.95 −26.89	0773 f09 38.31 −15.06 −21.6	0782 g09 33.24 −11.17 −16.32	0791 h09 28.16 −7.27 −11.03	0800 i09 23.08 −3.38 −5.75	0809 j09 18.02 0.49 −0.47	0980 k09 95.4 −0.98 4.75	0989 l09 95.4 −0.98 4.75	0998 m09 95.4 −0.98 4.75	1007 n09 95.4 −0.98 4.75
10	0243 A10 29.23 24.79 19.22	0252 B10 34.53 15.24 24.73	0261 C10 39.84 5.68 30.24	0270 D10 45.14 −3.87 35.76	0279 E10 49.25 −11.8 40.4	0288 F10 53.36 −19.73 45.05	0297 G10 57.47 −27.67 49.7	0306 H10 61.59 −35.6 54.35	0315 I10 65.69 −43.53 58.99	0324 J10 32.97 32.89 25.79	0333 K10 38.27 23.34 31.3	0342 L10 43.58 13.78 36.81	0351 M10 48.88 4.22 42.32	0360 N10 54.19 −5.32 47.84	0369 O10 58.3 −13.26 52.48	0378 P10 62.41 −21.19 57.13	0387 Q10 66.52 −29.13 61.78	0396 R10 70.63 −37.05 66.42	0405 S10 36.72 40.99 32.36	0414 T10 42.02 31.44 37.87	0423 U10 47.32 21.88 43.38	0432 V10 52.62 12.33 48.89	0441 W10 57.93 2.77 54.4	0450 X10 63.23 −6.78 59.92	0459 Y10 67.34 −14.72 64.56	0468 Z10 71.45 −22.65 69.21	0477 a10 75.56 −30.58 73.85	0810 b10 95.4 −0.98 4.75	0819 c10 89.47 −2.26 16.17	0828 d10 83.53 −3.53 27.6	0837 e10 77.6 −4.8 39.02	0846 f10 71.67 −6.07 50.45	0855 g10 65.73 −7.34 61.88	0864 h10 59.8 −8.61 73.3	0873 i10 53.87 −9.88 84.73	0882 j10 47.94 −11.15 96.15	1008 k10 18.02 0.49 −0.47	1024 l10 18.02 0.49 −0.47	1040 m10 18.02 0.49 −0.47	1056 n10 18.02 0.49 −0.47
11	0244 A11 26.03 11.87	0253 B11 35.16 13.31	0262 C11 44.29 18.83	0271 D11 53.42 24.34	0280 E11 62.55 28.99	0289 F11 71.68 33.63	0298 G11 80.81 38.28	0307 H11 89.94 42.93	0316 I11 99.07 47.57	0325 J11 33.19 18.44	0334 K11 38.9 19.88	0343 L11 44.61 24.61	0352 M11 50.32 15.05	0361 N11 56.03 5.5	0370 O11 61.74 −4.05	0379 P11 67.45 −11.99	0388 Q11 73.16 −19.92	0397 R11 78.87 −27.86	0406 S11 40.6 43.47 42.23	0415 T11 46.51 32.95 32.71	0424 U11 52.42 24.43 23.16	0433 V11 58.33 14.87 13.6	0442 W11 64.24 5.31 4.04	0451 X11 70.15 −4.24 −5.51	0460 Y11 76.06 −13.44 −14.71	0469 Z11 81.97 −21.38 57.79	0478 a11 87.88 −29.31 62.44	0811 b11 86.69 3.06 −1.37	0820 c11 85.73 −0.8 4.09	0829 d11 84.77 −2.07 15.53	0838 e11 83.81 −3.34 26.95	0847 f11 82.85 −4.61 38.38	0856 g11 81.89 −5.88 49.81	0865 h11 80.93 −7.15 61.23	0874 i11 79.97 −8.43 72.66	0883 j11 79.01 −9.7 84.08	1009 k11 95.4 0.4 −0.12	1025 l11 23.17 0.4 −0.12	1041 m11 23.17 0.4 −0.12	1057 n11 23.17 0.4 −0.12
12	0245 A12 29.28 27.26 4.51	0254 B12 35.19 17.75 5.95	0263 C12 41.1 8.22 7.4	0272 D12 46.4 1.32 12.91	0281 E12 50.51 −9.26 17.56	0290 F12 54.62 −17.19 22.21	0299 G12 58.73 −25.13 26.85	0308 H12 62.85 −33.06 31.5	0317 I12 66.95 −40.99 36.15	0326 J12 33.02 25.85 11.08	0335 K12 38.93 16.33 12.52	0344 L12 44.84 6.73 13.97	0353 M12 50.14 −2.9 19.48	0362 N12 55.45 −12.53 24.99	0371 O12 59.56 −10.72 29.64	0380 P12 63.67 −18.65 34.29	0389 Q12 67.78 −26.58 38.93	0398 R12 71.89 −34.51 43.58	0407 S12 36.76 43.47 17.65	0416 T12 42.67 32.95 19.09	0425 U12 48.58 24.43 20.53	0434 V12 53.88 14.87 26.05	0443 W12 59.19 5.31 31.56	0452 X12 64.49 −4.24 37.07	0461 Y12 68.6 −12.17 41.72	0470 Z12 72.71 −20.11 46.37	0479 a12 76.82 −28.03 51.01	0812 b12 77.98 7.11 −7.51	0821 c12 77.02 3.25 −2.03	0830 d12 76.06 −0.61 3.44	0839 e12 75.4 −1.88 14.87	0848 f12 74.8 −3.15 26.3	0857 g12 74.17 −4.43 37.73	0866 h12 73.54 −5.7 49.15	0875 i12 72.9 −6.97 60.58	0884 j12 72.28 −8.24 72.0	1010 k12 28.33 0.3 0.21	1026 l12 28.33 0.3 0.21	1042 m12 28.33 0.3 0.21	1058 n12 28.33 0.3 0.21
13	0246 A13 29.3 28.5 −2.84	0255 B13 35.21 18.98 −1.39	0264 C13 41.12 9.46 0.04	0273 D13 47.03 −0.05 1.48	0282 E13 51.14 −7.99 6.13	0291 F13 55.25 −15.92 10.78	0300 G13 59.36 −23.86 15.43	0309 H13 63.48 −31.79 20.08	0318 I13 67.58 −39.72 24.72	0327 J13 33.05 36.6 2.72	0336 K13 38.95 27.08 5.16	0345 L13 44.85 17.56 6.61	0354 M13 50.77 8.04 8.05	0363 N13 56.08 −1.51 13.57	0372 O13 60.19 −9.45 18.21	0381 P13 64.3 −17.38 22.86	0390 Q13 68.41 −25.31 27.51	0399 R13 72.52 −33.24 32.15	0408 S13 36.79 42.69 10.29	0417 T13 42.69 48.6 11.73	0426 U13 48.6 54.51 13.18	0435 V13 54.51 59.92 14.62	0444 W13 60.42 65.33 20.13	0453 X13 66.33 70.75 25.65	0462 Y13 69.23 76.17 30.29	0471 Z13 73.34 −18.84 34.94	0480 a13 77.45 −26.76 39.59	0813 b13 69.27 11.17 −13.65	0822 c13 68.31 7.3 −8.17	0831 d13 67.34 3.43 −2.68	0840 e13 66.38 −0.43 2.79	0849 f13 65.75 −1.7 14.22	0858 g13 65.12 −2.97 25.65	0867 h13 64.49 −4.24 37.07	0876 i13 63.86 −5.51 48.5	0885 j13 63.23 −6.78 59.92	1011 k13 33.49 0.2 0.56	1027 l13 33.49 0.2 0.56	1043 m13 33.49 0.2 0.56	1059 n13 33.49 0.2 0.56
14	0247 A14 30.27 32.37 −8.32	0256 B14 36.17 22.85 −6.88	0265 C14 42.08 13.33 −5.44	0274 D14 47.99 3.81 −3.99	0283 E14 52.11 −3.94 −3.79	0292 F14 56.22 −11.88 0.85	0301 G14 60.33 −19.81 5.5	0310 H14 64.44 −27.75 10.14	0319 I14 68.55 −35.67 14.79	0328 J14 33.07 37.84 −3.63	0337 K14 38.98 28.32 −1.19	0346 L14 44.89 18.8 0.69	0355 M14 50.8 9.27 2.13	0364 N14 56.71 −0.24 6.79	0373 O14 60.82 −8.17 11.43	0382 P14 64.93 −16.11 16.08	0391 Q14 69.04 −24.04 20.73	0400 R14 73.15 −31.97 25.37	0409 S14 36.81 45.94 2.93	0418 T14 42.72 36.42 4.37	0427 U14 48.63 26.9 5.82	0436 V14 54.54 17.37 7.26	0445 W14 60.45 7.85 8.71	0454 X14 65.75 −1.7 14.22	0463 Y14 69.86 −9.63 18.87	0472 Z14 73.97 −17.57 23.51	0481 a14 78.08 −25.49 28.16	0814 b14 60.56 15.22 −19.79	0823 c14 59.6 11.36 −14.31	0832 d14 58.63 7.49 −8.82	0841 e14 57.67 3.62 −3.34	0850 f14 56.71 −0.24 2.13	0859 g14 56.08 −1.51 13.57	0868 h14 55.45 −2.78 24.99	0877 i14 54.82 −4.05 36.42	0886 j14 54.19 −5.32 47.84	1012 k14 38.65 0.1 0.91	1028 l14 38.65 0.1 0.91	1044 m14 38.65 0.1 0.91	1060 n14 38.65 0.1 0.91
15	0248 A15 37.14 36.24 −13.81	0257 B15 43.05 26.72 −12.37	0266 C15 48.96 17.2 −10.92	0275 D15 53.07 7.67 −9.48	0284 E15 57.18 −0.08 −9.28	0293 F15 61.29 −7.84 −9.07	0302 G15 65.41 −15.77 −4.43	0311 H15 69.51 −23.7 0.21	0320 I15 73.62 −31.63 4.86	0329 J15 34.03 41.71 −9.12	0338 K15 39.94 32.19 −7.67	0347 L15 45.85 22.67 −6.23	0356 M15 51.76 13.14 −4.78	0365 N15 57.67 3.62 −3.34	0374 O15 61.78 −4.13 −1.5	0383 P15

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application for evaluation and measurement of printer or monitor systems

	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	l	m	n
01	0000 A01 18.02 0.49 −0.47	0009 B01 22.12 −7.42 4.17	0018 C01 26.23 −15.36 8.82	0027 D01 30.34 −23.29 13.46	0036 E01 34.45 −31.22 18.11	0045 F01 38.57 −39.16 22.76	0054 G01 42.68 −47.09 27.41	0063 H01 46.79 −55.03 32.05	0072 I01 50.9 −62.95 36.7	0081 J01 21.75 8.59 6.09	0090 K01 27.05 −0.95 11.6	0099 L01 31.16 −8.89 16.24	0108 M01 35.27 −16.82 20.89	0117 N01 39.38 −24.75 25.54	0126 O01 43.5 −32.69 30.19	0135 P01 47.61 −40.62 34.83	0144 Q01 51.72 −48.55 39.48	0153 R01 55.83 −56.48 44.12	0162 S01 25.49 16.69 12.66	0171 T01 30.79 7.14 18.16	0180 U01 36.1 −2.41 23.68	0189 V01 40.21 −10.34 28.32	0198 W01 44.32 −18.28 32.97	0207 X01 48.43 −26.21 37.62	0216 Y01 52.54 −34.14 42.27	0225 Z01 56.65 −42.08 46.91	0234 a01 60.76 −50.01 51.56	0243 b01 95.4 −0.98 4.75	0252 c01 89.47 7.29 10.66	0261 d01 83.53 15.57 16.58	0270 e01 77.6 23.86 22.49	0279 f01 71.67 32.15 28.4	0288 g01 65.73 40.44 34.32	0297 h01 59.8 48.72 40.23	0306 i01 53.87 57.01 46.15	0315 j01 47.94 65.29 52.06	0324 k01 18.02 0.49 −1.47	0333 l01 18.02 0.49 −0.47	0342 m01 18.02 0.49 −0.47	0351 n01 18.02 0.49 −0.47
02	0001 A02 18.98 4.36 −5.95	0010 B02 23.08 −3.38 −5.75	0019 C02 27.2 −11.32 −1.1	0028 D02 31.31 −19.25 3.54	0037 E02 35.42 −27.18 8.19	0046 F02 39.53 −35.12 12.83	0055 G02 43.64 −43.05 17.48	0064 H02 47.75 −50.99 22.13	0073 I02 51.86 −58.91 26.77	0082 J02 21.77 9.82 −1.26	0091 K02 27.68 0.31 0.17	0100 L02 31.79 −7.62 4.83	0109 M02 35.9 −15.55 9.47	0118 N02 40.01 −23.48 14.12	0127 O02 44.12 −31.42 18.77	0136 P02 48.24 −39.35 23.42	0145 Q02 52.35 −47.28 28.06	0154 R02 56.46 −55.21 32.71	0163 S02 25.52 17.93 5.3	0172 T02 31.42 8.41 6.75	0181 U02 36.73 −1.14 12.26	0190 V02 40.84 −9.07 16.91	0199 W02 44.95 −17.01 21.55	0208 X02 49.06 −24.94 26.2	0217 Y02 53.17 −32.87 30.85	0226 Z02 57.28 −40.81 35.5	0235 a02 61.39 −48.73 40.14	0730 b02 90.8 −4.69 −1.17	0739 c02 85.73 0.8 4.09	0748 d02 79.8 7.48 10.01	0757 e02 73.86 15.77 15.93	0766 f02 67.93 24.05 21.84	0775 g02 62.0 32.34 27.76	0784 h02 56.06 40.63 33.67	0793 i02 50.13 48.92 39.58	0802 j02 44.2 57.2 45.49	0973 k02 27.68 0.31 0.17	0982 l02 27.68 0.31 0.17	0991 m02 27.68 0.31 0.17	1000 n02 27.68 0.31 0.17
03	0002 A03 19.94 8.23 −11.43	0011 B03 24.05 0.48 −11.23	0020 C03 28.16 −7.27 −11.03	0029 D03 32.27 −15.21 −6.38	0038 E03 36.38 −23.14 −1.74	0047 F03 40.49 −31.08 2.9	0056 G03 44.61 −39.01 7.55	0065 H03 48.72 −46.94 12.2	0074 I03 52.83 −54.87 16.84	0083 J03 22.74 13.69 −6.74	0092 K03 28.64 4.18 −5.3	0101 L03 32.76 −3.57 −5.1	0110 M03 36.87 −11.51 −0.45	0119 N03 40.98 −19.44 4.19	0128 O03 45.09 −27.37 8.84	0137 P03 49.2 −35.31 13.48	0146 Q03 53.31 −43.24 18.13	0155 R03 57.42 −51.17 22.78	0164 S03 25.54 19.16 −2.05	0173 T03 31.45 9.65 −0.6	0182 U03 37.36 0.12 0.82	0191 V03 41.47 −7.8 5.48	0200 W03 45.58 −15.74 10.13	0209 X03 49.69 −23.67 14.77	0218 Y03 53.8 −31.6 19.42	0227 Z03 57.91 −39.54 24.07	0236 a03 62.02 −47.46 28.71	0731 b03 86.2 −8.39 −7.11	0740 c03 81.13 4.5 −1.83	0749 d03 76.06 0.61 3.44	0758 e03 70.12 7.67 9.36	0767 f03 64.19 15.95 15.27	0776 g03 58.25 24.24 21.19	0785 h03 52.32 32.53 27.1	0794 i03 46.39 40.82 33.02	0803 j03 40.46 49.1 38.93	0974 k03 37.36 0.12 0.82	0983 l03 37.36 0.12 0.82	0992 m03 37.36 0.12 0.82	1001 n03 37.36 0.12 0.82
04	0003 A04 20.9 12.1 −16.92	0012 B04 25.01 4.34 −16.72	0021 C04 29.12 −3.41 −16.52	0030 D04 33.24 −11.17 −16.32	0039 E04 37.35 −19.1 −11.67	0048 F04 41.46 −27.03 −7.02	0057 G04 45.57 −34.97 −2.37	0066 H04 49.68 −42.9 2.26	0075 I04 53.79 −50.83 6.91	0084 J04 23.7 17.56 −12.23	0093 K04 29.61 8.05 −10.78	0102 L04 33.72 0.29 −10.58	0111 M04 37.83 −7.46 −10.38	0120 N04 41.94 −15.4 −5.73	0129 O04 46.06 −23.33 −1.09	0138 P04 50.17 −31.26 3.55	0147 Q04 54.28 −39.2 8.2	0156 R04 58.39 −47.13 12.84	0165 S04 26.5 23.03 −7.53	0174 T04 32.41 13.52 −6.09	0183 U04 38.32 3.99 −4.64	0192 V04 42.43 −3.76 −4.44	0201 W04 46.54 −11.71 0.19	0210 X04 50.65 −19.63 4.84	0219 Y04 54.77 −27.56 9.49	0228 Z04 58.88 −35.49 14.14	0237 a04 62.98 −43.42 18.78	0732 b04 81.6 −12.1 −13.05	0741 c04 76.53 −8.21 −7.77	0750 d04 71.46 −4.32 −2.48	0759 e04 66.38 −0.43 2.79	0768 f04 60.45 7.85 8.71	0777 g04 54.51 16.14 14.62	0786 h04 48.58 24.43 20.53	0795 i04 42.65 32.71 26.45	0804 j04 36.72 40.99 32.36	0975 k04 47.03 −0.05 1.48	0984 l04 47.03 −0.05 1.48	0993 m04 47.03 −0.05 1.48	1002 n04 47.03 −0.05 1.48
05	0004 A05 21.87 15.91 −22.41	0013 B05 25.98 8.21 −22.2	0022 C05 30.09 0.45 −22.0	0031 D05 34.2 −7.3 −21.8	0040 E05 38.31 −15.06 −21.6	0049 F05 42.42 −22.99 −16.95	0058 G05 46.54 −30.92 −12.31	0067 H05 50.65 −38.86 −7.66	0076 I05 54.76 −46.79 −3.01	0085 J05 24.67 21.43 −17.71	0094 K05 30.57 11.92 −16.67	0103 L05 34.68 4.16 −16.07	0112 M05 38.8 −3.59 −15.87	0121 N05 42.91 −11.36 −15.67	0130 O05 47.02 −19.29 −11.02	0139 P05 51.13 −27.22 −6.37	0148 Q05 55.24 −35.16 −1.72	0157 R05 59.35 −43.08 2.91	0166 S05 27.47 26.9 −11.58	0175 T05 33.37 17.38 −10.13	0184 U05 39.28 7.86 −9.69	0193 V05 43.4 0.1 −9.93	0202 W05 47.51 −7.65 −9.73	0211 X05 51.62 −15.58 −5.08	0220 Y05 55.73 −23.52 −0.43	0229 Z05 59.84 −31.45 4.2	0238 a05 63.95 −39.38 8.85	0733 b05 77.5 −15.8 −18.99	0742 c05 71.93 −11.91 −13.71	0751 d05 66.86 −8.02 −8.57	0760 e05 61.78 −4.13 −3.14	0769 f05 56.71 0.24 2.13	0778 g05 50.77 8.04 8.05	0787 h05 44.84 16.33 15.97	0796 i05 38.9 24.61 19.88	0805 j05 32.97 32.89 25.79	0976 k05 56.71 −0.24 2.13	0985 l05 56.71 −0.24 2.13	0994 m05 56.71 −0.24 2.13	1003 n05 56.71 −0.24 2.13
06	0005 A06 22.83 19.84 −27.89	0014 B06 26.94 12.08 −27.69	0023 C06 31.05 4.32 −27.49	0032 D06 35.16 −3.43 −27.29	0041 E06 39.28 −11.19 −27.09	0050 F06 43.39 −18.95 −26.89	0059 G06 47.5 −26.88 −22.24	0068 H06 51.61 −34.82 −17.59	0077 I06 55.72 −42.74 −12.95	0086 J06 25.63 23.5 −23.2	0095 K06 31.54 15.28 −21.76	0104 L06 35.65 8.02 −21.56	0113 M06 39.76 0.26 −21.35	0122 N06 43.87 −7.49 −21.15	0131 O06 47.99 −15.25 −20.95	0140 P06 52.1 −23.18 −16.3	0149 Q06 56.21 −31.11 −11.66	0158 R06 60.32 −39.04 −7.01	0167 T06 28.43 30.77 −18.51	0176 U06 34.34 21.25 −17.06	0185 U06 40.25 11.73 −15.62	0194 V06 44.36 3.97 −15.42	0203 W06 48.47 −3.78 −15.21	0212 X06 52.58 −11.54 −15.01	0221 Y06 56.7 −19.48 −10.37	0230 Z06 60.81 −27.41 −5.72	0239 a06 64.91 −35.34 −1.07	0734 b06 72.41 −19.51 −24.92	0743 c06 67.34 −15.62 −19.64	0752 d06 62.26 −11.73 −14.36	0761 e06 57.18 −7.84 −9.07	0770 f06 52.11 −3.94 −3.79	0779 g06 47.03 0.05 1.48	0788 h06 41.1 8.12 7.4	0797 i06 35.16 16.51 13.31	0806 j06 29.23 24.79 19.22	0977 k06 66.38 −0.43 2.79	0986 l06 66.38 −0.43 2.79	0995 m06 66.38 −0.43 2.79	1004 n06 66.38 −0.43 2.79
07	0006 A07 29.79 23.7 −33.38	0015 B07 33.9 15.95 −33.18	0024 C07 38.02 8.19 −32.98	0033 D07 42.13 0.43 −32.77	0042 E07 46.24 −7.32 −32.57	0051 F07 50.35 −15.08 −32.37	0060 G07 54.47 −22.84 −32.17	0069 H07 58.58 −30.77 −27.52	0078 I07 62.69 −38.7 −22.88	0087 J07 26.59 29.17 −28.69	0096 K07 32.5 19.65 −27.24	0105 L07 36.61 11.89 −27.04	0114 M07 40.72 4.13 −26.84	0123 N07 44.83 −3.62 −26.64	0132 O07 48.95 −11.38 −26.44	0141 P07 53.06 −19.14 −26.24	0150 Q07 57.17 −27.07 −21.59	0159 R07 61.28 −35.0 −16.94	0168 S07 29.39 34.64 −23.99	0177 T07 35.3 25.12 −22.55	0186 U07 41.21 15.6 −21.1	0195 U07 47.12 7.84 −20.9	0204 V07 53.03 0.08 −20.7	0213 W07 58.94 −7.67 −20.5	0222 X07 64.85 −15.43 −20.3	0231 Y07 70.76 −23.37 −15.65	0240 Z07 76.66 −31.29 −11.01	0735 b07 87.1 −23.21 −30.86	0744 c07 82.03 −19.32 −25.58	0753 d07 76.96 −15.43 −20.3	0762 e07 71.88 −11.54 −15.01	0771 f07 66.81 −7.65 −9.73	0780 g07 61.73 −3.76 −4.44	0789 h07 56.66 0.12 0.82	0798 i07 51.58 8.41 6.75	0807 j07 46.51 16.69 12.66	0978 k07 76.06 −0.61 3.44	0987 l07 76.06 −0.61 3.44	0996 m07 76.06 −0.61 3.44	1005 n07 76.06 −0.61 3.44
08	0007 A08 24.76 27.5 −38.86	0016 B08 28.87 19.82 −38.66	0025 C08 32.98 12.06 −38.46	0034 D08 37.09 4.3 −38.26	0043 E08 41.2 −3.45 −38.06	0052 F08 45.32 −11.21 −37.86	0061 G08 49.43 −18.97 −37.66	0070 H08 53.54 −26.74 −37.46	0079 I08 57.65 −34.66 −32.81	0088 J08 27.56 33.04 −34.17	0097 K08 33.46 23.52 −32.73	0106 L08 37.58 15.76 −32.53	0115 M08 41.69 8.0 −32.33	0124 N08 45.8 0.24 −32.13	0133 O08 49.91 −7.51 −31.92	0142 P08 54.03 −15.27 −31.72	0151 Q08 58.14 −23.03 −31.52	0160 R08 62.25 −30.76 −26.88	0169 S08 30.36 38.51 −29.48	0178 T08 36.26 28.89 −28.03	0187 U08 42.17 19.47 −26.59	0196 U08 46.29 11.79 −26.39	0205 W08 50.4 4.12 −26.19	0214 X08 54.51 −3.6 −25.99	0223 Y08 58.62 −11.56 −25.78	0232 Z08 62.74 −19.32 −25.58	0241 a08 66.84 −27.25 −20.94	0736 b08 63.21 −26.92 −36.8	0745 c08 58.14 −23.03 −31.52	0754 d08 53.06 −19.14 −26.24	0763 e08 47.99 −15.25 −20.95	0772 f08 42.91 −11.36 −15.67	0781 g08 37.83 −7.46 −10.38	0790 h08 32.76 −3.57 −5.1	0799 i08 27.68 0.31 0.17	0808 j08 21.75 8.59 6.09	0979 k08 85.73 −0.8 4.09	0988 l08 85.73 −0.8 4.09	0997 m08 85.73 −0.8 4.09	1006 n08 85.73 −0.8 4.09
09	0008 A09 25.72 27.26 −44.35	0017 B09 29.83 17.75 −44.14	0026 C09 33.94 8.22 −43.94	0035 D09 38.06 1.32 −43.74	0044 E09 42.17 −9.26 −43.54	0053 F09 46.28 −17.19 −43.34	0062 G09 50.39 −25.13 −43.14	0071 H09 54.51 −33.06 −42.94	0080 I09 58.61 −40.97 −42.75	0089 J09 28.52 36.9 −39.65	0098 K09 34.43 27.39 −38.21	0107 L09 38.54 19.63 −37.81	0116 M09 42.65 11.87 −37.41	0125 N09 46.76 4.11 −37.01	0134 O09 50.88 −3.64 −36.61	0143 P09 54.99 −11.4 −36.21	0152 Q09 59.1 −19.16 −35.81	0161 R09 63.21 −26.92 −36.8	0170 S09 31.32 42.37 −34.51	0179 T09 37.23 32.86 −33.28	0188 U09 43.14 23.33 −31.87	0197 V09 47.25 15.57 −31.67	0206 W09 51.36 7.81 −31.47	0215 X09 55.47 0.05 −31.27	0224 Y09 59.59 −7.7 −31.07	0233 Z09 63.7 −15.46 −31.06	0242 a09 67.81 −23.21 −36.8	0737 b09 58.61 −30.62 −42.74	0746 c09 53.54 −26.73 −37.46	0755 d09 48.47 −22.84 −32.17	0764 e09 43.39 −18.95 −26.89	0773 f09 38.31 −15.06 −21.6	0782 g09 33.24 −11.17 −16.32	0791 h09 28.16 −7.27 −11.03	0800 i09 23.08 −3.38 −5.75	0809 j09 18.02 0.49 −0.47	0980 k09 95.4 −0.98 4.75	0989 l09 95.4 −0.98 4.75	0998 m09 95.4 −0.98 4.75	1007 n09 95.4 −0.98 4.75
10	0243 A10 29.23 24.79 19.22	0252 B10 34.53 15.24 24.73	0261 C10 39.84 5.68 30.24	0270 D10 45.14 −3.87 35.76	0279 E10 49.25 −11.8 40.4	0288 F10 53.36 −19.73 45.05	0297 G10 57.47 −27.67 49.7	0306 H10 61.59 −35.6 54.35	0315 I10 65.69 −43.53 58.99	0324 J10 32.97 32.89 25.79	0333 K10 38.27 23.34 31.3	0342 L10 43.58 13.78 36.81	0351 M10 48.88 4.22 42.32	0360 N10 54.19 −5.32 47.84	0369 O10 58.3 −13.26 52.48	0378 P10 62.41 −21.19 57.13	0387 Q10 66.52 −29.13 61.78	0396 R10 70.63 −37.05 66.42	0405 S10 40.99 −0.34 32.36	0414 T10 46.92 31.44 37.87	0423 U10 42.42 21.88 43.38	0432 V10 52.62 12.33 48.89	0441 W10 57.93 2.77 54.4	0450 X10 63.23 −6.78 59.92	0459 Y10 67.34 −14.72 64.56	0468 Z10 71.45 −22.65 69.21	0477 a10 75.56 −30.58 73.85	0810 b10 95.4 −0.98 4.75	0819 c10 94.77 −2.26 16.17	0828 d10 94.14 −3.53 27.6	0837 e10 93.51 −4.8 39.02	0846 f10 92.88 −6.07 50.45	0855 g10 92.25 −7.34 61.88	0864 h10 91.62 −8.61 73.3	0873 i10 90.99 −9.88 84.73	0882 j10 90.36 −11.15 96.15	1008 k10 18.02 0.49 −0.47	1024 l10 18.02 0.49 −0.47	1040 m10 18.02 0.49 −0.47	1056 n10 18.02 0.49 −0.47
11	0244 A11 35.16 26.03 11.87	0253 B11 40.47 16.51 13.31	0262 C11 45.77 −2.6 18.83	0271 D11 51.08 −10.53 24.34	0280 E11 56.39 −18.46 28.99	0289 F11 61.7 −26.4 33.63	0298 G11 67.02 −34.33 38.28	0307 H11 72.33 −42.26 42.93	0316 I11 77.64 −50.19 47.57	0325 J11 33.9 18.44 19.88	0334 K11 39.21 24.61 25.39	0343 L11 44.51 15.05 30.91	0352 M11 49.82 5.5 36.42	0361 N11 55.13 −4.05 41.97	0370 O11 60.44 −11.99 47.52	0379 P11 65.75 −19.92 45.71	0388 Q11 71.06 −27.86 50.36	0397 R11 76.37 −35.78 55.01	0406 S11 42.23 25.0 26.45	0415 T11 48.14 32.71 31.96	0424 U11 54.05 23.16 37.47	0433 V11 59.96 13.6 42.99	0442 W11 65.27 4.04 48.5	0451 X11 70.58 −5.51 53.15	0460 Y11 75.89 −13.44 57.79	0469 Z11 81.2 −21.38 62.44	0478 a11 76.19 −29.31 67.09	0811 b11 86.69 3.06 −1.37	0820 c11 85.73 −0.8 4.09	0829 d11 84.77 −2.07 15.53	0838 e11 83.81 −3.34 26.95	0847 f11 82.85 −4.61 38.38	0856 g11 81.89 −5.88 49.81	0865 h11 80.93 −7.15 61.23	0874 i11 79.97 −8.43 72.66	0883 j11 79.01 −9.7 84.08	1009 k11 23.17 0.4 −0.12	1025 l11 23.17 0.4 −0.12	1041 m11 23.17 0.4 −0.12	1057 n11 23.17 0.4 −0.12
12	0245 A12 29.28 27.75 4.51	0254 B12 35.19 22.1 5.95	0263 C12 41.1 16.45 7.4	0272 D12 46.4 8.22 12.91	0281 E12 50.51 −1.32 17.56	0290 F12 54.62 −9.26 22.21	0299 G12 58.73 −17.19 26.85	0308 H12 62.85 −25.13 31.5	0317 I12 66.95 −33.06 36.15	0326 J12 33.02 24.39 11.08	0335 K12 38.93 18.83 12.52	0344 L12 44.84 13.26 13.97	0353 M12 50.14 7.7 19.48	0362 N12 55.45 −2.78 24.99	0371 O12 59.56 −10.72 29.64	0380 P12 63.67 −18.65 34.29	0389 Q12 67.78 −26.58 38.93	0398 R12 71.89 −34.51 43.58	0407 S12 36.76 43.47 17.65	0416 T12 42.67 32.95 19.09	0425 U12 48.58 24.43 20.53	0434 V12 53.88 14.87 26.05	0443 W12 59.19 5.31 31.56	0452 X12 64.49 −4.24 37.07	0461 Y12 68.6 −12.17 41.72	0470 Z12 72.71 −20.11 46.37	0479 a12 76.82 −28.03 51.01	0812 b12 77.98 5.3 −7.51	0821 c12 77.02 2.1 −2.03	0830 d12 76.06 −1.1 3.44	0839 e12 75.4 −1.88 14.87	0848 f12 74.8 −3.15 26.3	0857 g12 74.17 −4.43 37.73	0866 h12 73.54 −5.7 49.15	0875 i12 72.9 −6.97 60.58	0884 j12 72.28 −8.24 72.0	1010 k12 28.33 0.3 0.21	1026 l12 28.33 0.3 0.21	1042 m12 28.33 0.3 0.21	1058 n12 28.33 0.3 0.21
13	0246 A13 29.3 28.5 −2.84	0255 B13 35.21 18.98 −1.39	0264 C13 41.12 9.46 0.04	0273 D13 47.03 −0.05 1.48	0282 E13 51.14 −7.99 6.13	0291 F13 55.25 −15.92 10.78	0300 G13 59.36 −23.86 15.43	0309 H13 63.48 −31.79 20.08	0318 I13 67.58 −39.72 24.73	0327 J13 33.05 36.6 22.7	0336 K13 38.95 27.08 5.2	0345 L13 44.86 17.56 6.61	0354 M13 50.77 8.04 8.05	0363 N13 56.08 −1.51 13.57	0372 O13 60.19 −9.45 18.21	0381 P13 64.3 −17.38 22.86	0390 Q13 68.41 −25.31 27.51	0399 R13 72.52 −33.24 32.15	0408 S13 36.79 42.69 10.29	0417 T13 42.69 48.6 11.73	0426 U13 48.6 54.51 13.18	0435 V13 54.51 59.92 14.62	0444 W13 60.42 65.34 20.13	0453 X13 66.33 70.75 25.65	0462 Y13 69.23 −10.9 30.29	0471 Z13 73.34 −18.84 34.94	0480 a13 77.45 −26.76 39.59	0813 b13 69.27 11.17 −13.65	0822 c13 68.31 7.3 −8.17	0831 d13 67.34 3.4 −2.68	0840 e13 66.38 −0.43 2.79	0849 f13 65.75 −1.7 14.22	0858 g13 65.12 −2.97 25.65	0867 h13 64.49 −4.24 37.07	0876 i13 63.86 −5.51 48.5	0885 j13 63.23 −6.78 59.92	1011 k13 33.49 0.2 0.56	1027 l13 33.49 0.2 0.56	1043 m13 33.49 0.2 0.56	1059 n13 33.49 0.2 0.56
14	0247 A14 30.27 32.37 −8.32	0256 B14 36.17 22.85 −6.88	0265 C14 42.08 13.33 −5.44	0274 D14 47.99 3.81 −3.99	0283 E14 52.11 −3.94 −3.79	0292 F14 56.22 −11.88 0.85	0301 G14 60.33 −19.81 5.5	0310 H14 64.44 −27.75 10.14	0319 I14 68.55 −35.67 14.79	0328 J14 33.07 37.84 −3.63	0337 K14 38.98 28.32 −0.74	0346 L14 44.89 18.8 0.69	0355 M14 50.8 9.27 2.13	0364 N14 56.71 −0.24 6.79	0373 O14 60.82 −8.17 11.43	0382 P14 64.93 −16.11 16.08	0391 Q14 69.04 −24.04 20.73	0400 R14 73.15 −31.97 25.38	0409 S14 36.81 45.94 2.93	0418 T14 42.72 34.96 4.37	0427 U14 48.63 24.54 5.82	0436 V14 54.54 14.12 7.26	0445 W14 60.45 3.71 8.71	0454 X14 65.75 −7.85 14.22	0463 Y14 69.86 −17 18.87	0472 Z14 73.97 −26.15 23.51	0481 a14 78.08 −34.08 28.16	0814 b14 60.56 19.25 −19.79	0823 c14 59.6 15.42 −14.31	0832 d14 58.63 11.36 −8.82	0841 e14 57.67 7.49 −3.34	0850 f14 56.71 3.62 2.13	0859 g14 56.08 −0.24 13.57	0868 h14 55.45 −1.52 24.99	0877 i14 54.82 −2.78 36.42	0886 j14 54.19 −4.05 47.84	1012 k14 38.65 0.1 0.91	1028 l14 38.65 0.1 0.91	1044 m14 38.65 0.1 0.91	1060 n14 38.65 0.1 0.91
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02	0001 A02 18.98 4.36 −5.95	0010 B02 23.08 −3.38 −5.75	0019 C02 27.2 −11.32 −1.1	0028 D02 31.31 −19.25 3.54	0037 E02 35.42 −27.18 8.19	0046 F02 39.53 −35.12 12.83	0055 G02 43.64 −43.05 17.48	0064 H02 47.75 −50.99 22.13	0073 I02 51.86 −58.91 26.77	0082 J02 21.77 9.82 −1.26	0091 K02 27.68 0.31 0.17	0100 L02 31.79 −7.62 4.83	0109 M02 35.9 −15.55 9.47	0118 N02 40.01 −23.48 14.12	0127 O02 44.12 −31.42 18.77	0136 P02 48.24 −39.35 23.42	0145 Q02 52.35 −47.28 28.06	0154 R02 56.46 −55.21 32.71	0163 S02 25.52 17.93 5.3	0172 T02 31.42 8.41 6.75	0181 U02 36.73 −1.14 12.26	0190 V02 40.84 −9.07 16.91	0199 W02 44.95 −17.01 21.55	0208 X02 49.06 −24.94 26.2	0217 Y02 53.17 −32.87 30.85	0226 Z02 57.28 −40.81 35.5	0235 a02 61.39 −48.73 40.14	0730 b02 90.8 −4.69 −1.17	0739 c02 85.73 −0.8 4.09	0748 d02 79.8 7.48 10.01	0757 e02 73.86 15.77 15.93	0766 f02 67.93 24.05 21.84	0775 g02 62.0 32.34 27.76	0784 h02 56.06 40.63 33.67	0793 i02 50.13 48.92 39.58	0802 j02 44.2 57.2 45.49	0973 k02 27.68 0.31 0.17	0982 l02 27.68 0.31 0.17	0991 m02 27.68 0.31 0.17	1000 n02 27.68 0.31 0.17
03	0002 A03 19.94 8.23 −11.43	0011 B03 24.05 0.48 −11.23	0020 C03 28.16 −7.27 −11.03	0029 D03 32.27 −15.21 −6.38	0038 E03 36.38 −23.14 −1.74	0047 F03 40.49 −31.08 2.9	0056 G03 44.61 −39.01 7.55	0065 H03 48.72 −46.94 12.2	0074 I03 52.83 −54.87 16.84	0083 J03 22.74 13.69 −6.74	0092 K03 28.64 4.18 −5.3	0101 L03 32.76 −3.57 −5.1	0110 M03 36.87 −11.51 −0.45	0119 N03 40.98 −19.44 4.19	0128 O03 45.09 −27.37 8.84	0137 P03 49.2 −35.31 13.48	0146 Q03 53.31 −43.24 18.13	0155 R03 57.42 −51.17 22.78	0164 S03 25.54 19.16 −2.05	0173 T03 31.45 19.65 −0.6	0182 U03 37.36 0.12 0.82	0191 V03 41.47 −7.8 5.48	0200 W03 45.58 −15.74 10.13	0209 X03 49.69 −23.67 14.77	0218 Y03 53.8 −31.6 19.42	0227 Z03 57.91 −39.54 24.07	0236 a03 62.02 −47.46 28.71	0731 b03 86.2 −8.39 −7.11	0740 c03 81.13 4.5 −1.83	0749 d03 76.06 0.61 3.44	0758 e03 70.12 7.67 9.36	0767 f03 64.19 15.95 15.27	0776 g03 58.25 24.24 21.19	0785 h03 52.32 32.53 27.1	0794 i03 46.39 40.82 33.02	0803 j03 40.46 49.1 38.93	0974 k03 37.36 0.12 0.82	0983 l03 37.36 0.12 0.82	0992 m03 37.36 0.12 0.82	1001 n03 37.36 0.12 0.82
04	0003 A04 20.9 12.1 −16.92	0012 B04 25.01 4.34 −16.72	0021 C04 29.12 −3.41 −16.52	0030 D04 33.24 −11.17 −16.32	0039 E04 37.35 −19.1 −11.67	0048 F04 41.46 −27.03 −7.02	0057 G04 45.57 −34.97 −2.37	0066 H04 49.68 −42.9 2.26	0075 I04 53.79 −50.83 6.91	0084 J04 23.7 17.56 −12.23	0093 K04 29.61 8.05 −10.78	0102 L04 33.72 0.29 −10.58	0111 M04 37.83 −7.46 −10.38	0120 N04 41.94 −15.4 −5.73	0129 O04 46.06 −23.33 −1.09	0138 P04 50.17 −31.26 3.55	0147 Q04 54.28 −39.2 8.2	0156 R04 58.39 −47.13 12.84	0165 S04 26.5 23.03 −7.53	0174 T04 32.41 13.52 −6.09	0183 U04 38.32 3.99 −4.64	0192 V04 42.43 −5.76 −4.44	0201 W04 46.54 −13.71 0.19	0210 X04 50.65 −21.67 4.84	0219 Y04 54.77 −29.6 9.49	0228 Z04 58.88 −35.49 14.14	0237 a04 62.98 −43.42 18.78	0732 b04 81.6 −12.1 −13.05	0741 c04 76.53 −8.21 −7.77	0750 d04 71.46 −4.32 −2.48	0759 e04 66.38 −0.43 2.79	0768 f04 60.45 7.85 8.71	0777 g04 54.51 16.14 14.62	0786 h04 48.58 24.43 20.53	0795 i04 42.65 32.71 26.45	0804 j04 36.72 40.99 32.36	0975 k04 47.03 −0.05 1.48	0984 l04 47.03 −0.05 1.48	0993 m04 47.03 −0.05 1.48	1002 n04 47.03 −0.05 1.48
05	0004 A05 21.87 15.91 −22.41	0013 B05 25.98 8.21 −22.2	0022 C05 30.09 0.45 −22.0	0031 D05 34.2 −7.3 −21.8	0040 E05 38.31 −15.06 −21.6	0049 F05 42.42 −22.99 −16.95	0058 G05 46.54 −30.92 −12.31	0067 H05 50.65 −38.86 −7.66	0076 I05 54.76 −46.79 −3.01	0085 J05 24.67 21.43 −17.71	0094 K05 30.57 11.92 −16.67	0103 L05 34.68 4.16 −16.07	0112 M05 38.8 −3.59 −15.87	0121 N05 42.91 −11.36 −15.67	0130 O05 47.02 −19.29 −11.02	0139 P05 51.13 −27.22 −6.37	0148 Q05 55.24 −35.16 −1.72	0157 R05 59.35 −43.08 2.91	0166 S05 27.47 26.9 −12.1	0175 T05 33.37 17.38 −11.58	0184 U05 39.28 7.86 −10.13	0193 V05 43.4 0.1 −9.93	0202 W05 47.51 −7.65 −9.73	0211 X05 51.62 −15.58 −5.08	0220 Y05 55.73 −23.52 −0.43	0229 Z05 59.84 −31.45 4.2	0238 a05 63.95 −39.38 8.85	0733 b05 77.01 −15.8 −18.99	0742 c05 71.93 −11.91 −13.71	0751 d05 66.86 −8.02 −8.42	0760 e05 61.78 −4.13 −3.14	0769 f05 56.71 0.74 2.13	0778 g05 50.77 8.04 8.05	0787 h05 44.84 16.33 15.97	0796 i05 38.9 24.61 19.88	0805 j05 32.97 32.89 25.79	0976 k05 56.71 −0.24 2.13	0985 l05 56.71 −0.24 2.13	0994 m05 56.71 −0.24 2.13	1003 n05 56.71 −0.24 2.13
06	0005 A06 22.83 19.84 −27.89	0014 B06 26.94 12.08 −27.69	0023 C06 31.05 4.32 −27.49	0032 D06 35.16 −3.43 −27.29	0041 E06 39.28 −11.19 −27.09	0050 F06 43.39 −18.95 −26.89	0059 G06 47.5 −26.88 −22.24	0068 H06 51.61 −34.82 −17.59	0077 I06 55.72 −42.74 −12.95	0086 J06 25.63 23.5 −23.2	0095 K06 31.54 15.28 −21.76	0104 L06 35.65 8.02 −21.56	0113 M06 39.76 0.26 −21.35	0122 N06 43.87 −7.49 −21.15	0131 O06 47.99 −15.25 −20.95	0140 P06 52.1 −23.18 −16.3	0149 Q06 56.21 −31.11 −11.66	0158 R06 60.32 −39.04 −7.01	0167 S06 28.43 30.77 −18.51	0176 T06 34.34 21.25 −17.06	0185 U06 40.25 11.73 −15.62	0194 V06 44.36 3.97 −15.42	0203 W06 48.47 −3.78 −15.21	0212 X06 52.58 −11.54 −15.01	0221 Y06 56.7 −19.48 −10.37	0230 Z06 60.81 −27.41 −5.72	0239 a06 64.91 −35.34 −1.07	0734 b06 72.41 −19.51 −24.92	0743 c06 67.34 −15.62 −19.64	0752 d06 62.26 −11.73 −14.36	0761 e06 57.18 −7.84 −9.07	0770 f06 52.11 −3.94 −3.79	0779 g06 47.03 0.05 1.48	0788 h06 41.1 8.12 7.4	0797 i06 35.16 16.51 13.31	0806 j06 29.23 24.79 19.22	0977 k06 66.38 −0.43 2.79	0986 l06 66.38 −0.43 2.79	0995 m06 66.38 −0.43 2.79	1004 n06 66.38 −0.43 2.79
07	0006 A07 29.79 23.7 −33.38	0015 B07 33.9 15.95 −33.18	0024 C07 38.02 8.19 −32.98	0033 D07 42.13 0.43 −32.77	0042 E07 46.24 −7.32 −32.57	0051 F07 50.35 −15.08 −32.37	0060 G07 54.47 −22.84 −32.17	0069 H07 58.58 −30.77 −27.52	0078 I07 62.69 −38.7 −22.88	0087 J07 26.6 29.17 −28.69	0096 K07 32.5 19.65 −27.24	0105 L07 36.61 11.89 −27.04	0114 M07 40.72 4.13 −26.84	0123 N07 44.83 −3.62 −26.64	0132 O07 48.95 −11.38 −26.44	0141 P07 53.06 −19.14 −26.24	0150 Q07 57.17 −27.07 −21.59	0159 R07 61.28 −35.0 −16.94	0168 S07 29.39 34.64 −23.99	0177 T07 35.3 25.12 −22.55	0186 U07 41.21 15.6 −21.1	0195 V07 45.32 7.84 −20.9	0204 W07 49.44 0.08 −20.5	0213 X07 53.55 −7.67 −20.3	0222 Y07 57.66 −15.43 −20.3	0231 Z07 61.77 −23.37 −15.65	0240 a07 65.88 −31.29 −11.01	0735 b07 67.81 −23.21 −30.86	0744 c07 62.74 −19.32 −25.58	0753 d07 57.67 −15.43 −20.3	0762 e07 52.59 −11.54 −15.01	0771 f07 47.52 −7.65 −9.73	0780 g07 42.43 −3.76 −4.44	0789 h07 37.36 0.12 0.82	0798 i07 32.76 8.41 6.75	0807 j07 31.42 16.69 12.66	0978 k07 75.06 −0.61 3.44	0987 l07 75.06 −0.61 3.44	0996 m07 75.06 −0.61 3.44	1005 n07 75.06 −0.61 3.44
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09	0008 A09 25.72 27.26 −44.35	0017 B09 29.83 17.75 −44.14	0026 C09 33.94 8.22 −43.94	0035 D09 38.06 1.32 −43.74	0044 E09 42.17 −9.26 −43.54	0053 F09 46.28 −17.19 −43.34	0062 G09 50.39 −25.13 −43.14	0071 H09 54.51 −33.06 −42.94	0080 I09 58.61 −40.99 −42.74	0089 J09 28.52 36.9 −39.65	0098 K09 34.43 27.39 −38.21	0107 L09 38.54 19.63 −37.81	0116 M09 42.65 11.87 −37.41	0125 N09 46.76 4.11 −37.01	0134 O09 50.88 −3.64 −36.61	0143 P09 54.99 −11.4 −36.21	0152 Q09 59.1 −19.16 −35.81	0161 R09 63.21 −26.92 −31.47	0170 S09 31.32 42.37 −32.07	0179 T09 37.23 32.86 −31.67	0188 U09 43.14 23.33 −31.27	0197 V09 47.25 15.57 −31.07	0206 W09 51.36 7.81 −30.86	0215 X09 55.47 0.05 −30.66	0224 Y09 59.59 −7.7 −30.46	0233 Z09 63.7 −15.46 −30.26	0242 a09 67.81 −23.21 −31.87	0737 b09 58.61 −30.62 −42.74	0746 c09 53.54 −26.73 −37.46	0755 d09 48.47 −22.84 −32.19	0764 e09 43.39 −18.95 −26.89	0773 f09 38.31 −15.06 −21.6	0782 g09 33.24 −11.17 −16.32	0791 h09 28.16 −7.27 −11.03	0800 i09 23.08 −3.38 −5.75	0809 j09 18.02 0.48 −0.47	0980 k09 95.4 −0.98 4.75	0989 l09 95.4 −0.98 4.75	0998 m09 95.4 −0.98 4.75	1007 n09 95.4 −0.98 4.75
10	0243 A10 29.23 24.79 19.22	0252 B10 34.53 15.24 24.73	0261 C10 39.84 5.68 30.24	0270 D10 45.14 −3.87 35.76	0279 E10 49.25 −11.8 40.4	0288 F10 53.36 −19.73 45.05	0297 G10 57.47 −27.67 49.7	0306 H10 61.59 −35.6 54.35	0315 I10 65.69 −43.53 58.99	0324 J10 32.97 32.89 25.79	0333 K10 38.27 23.34 31.3	0342 L10 43.58 13.78 36.81	0351 M10 48.88 4.22 42.32	0360 N10 54.19 −5.32 47.84	0369 O10 58.3 −13.26 52.48	0378 P10 62.41 −21.19 57.13	0387 Q10 66.52 −29.13 61.78	0396 R10 70.63 −37.05 66.42	0405 S10 40.99 32.36 32.36	0414 T10 46.92 31.44 37.87	0423 U10 42.02 21.88 43.38	0432 V10 47.42 12.33 48.89	0441 W10 52.62 2.77 54.4	0450 X10 57.93 −6.78 59.92	0459 Y10 63.23 −14.72 64.56	0468 Z10 68.54 −22.65 69.21	0477 a10 73.85 −30.58 73.85	0810 b10 75.56 −0.98 4.75	0819 c10 95.4 −2.26 16.17	0828 d10 94.77 −3.53 27.6	0837 e10 94.14 −4.8 39.02	0846 f10 93.51 −6.07 50.45	0855 g10 92.88 −7.34 61.88	0864 h10 92.25 −8.61 73.3	0873 i10 91.62 −9.88 84.73	0882 j10 90.99 −11.15 96.15	1008 k10 18.02 0.49 −0.47	1024 l10 18.02 0.49 −0.47	1040 m10 18.02 0.49 −0.47	1056 n10 18.02 0.49 −0.47
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13	0246 A13 29.3 28.5 −2.84	0255 B13 35.21 18.98 −1.39	0264 C13 41.12 9.46 0.04	0273 D13 47.03 −0.05 1.48	0282 E13 51.14 −7.99 6.13	0291 F13 55.25 −15.92 10.78	0300 G13 59.36 −23.86 15.43	0309 H13 63.48 −31.79 20.08	0318 I13 67.58 −39.72 24.72	0327 J13 33.05 36.6 5.2	0336 K13 38.95 27.08 6.6	0345 L13 44.86 17.56 8.05	0354 M13 50.77 8.04 9.51	0363 N13 56.68 −1.51 13.57	0372 O13 60.19 −9.45 18.21	0381 P13 64.3 −17.38 22.86	0390 Q13 68.41 −25.31 27.51	0399 R13 72.52 −33.24 32.15	0408 S13 36.79 42.69 10.29	0417 T13 42.69 48.6 11.73	0426 U13 48.6 54.51 13.18	0435 V13 54.51 59.27 14.62	0444 W13 60.42 63.98 20.13	0453 X13 66.33 68.7 25.65	0462 Y13 72.24 73.34 30.29	0471 Z13 78.15 77.45 34.94	0480 a13 84 69.27 39.59	0813 b13 68.31 11.17 −13.65	0822 c13 67.34 7.3 −8.17	0831 d13 66.38 3.43 −2.68	0840 e13 65.42 −0.43 2.79	0849 f13 64.46 −4.29 14.22	0858 g13 63.5 −4.16 25.65	0867 h13 62.54 −2.97 37.07	0876 i13 61.58 −1.78 48.5	0885 j13 60.62 −5.51 59.92	1011 k13 33.49 0.2 0.56	1027 l13 33.49 0.2 0.56	1043 m13 33.49 0.2 0.56	1059 n13 33.49 0.2 0.56
14	0247 A14 30.27 32.37 −8.32	0256 B14 36.17 22.85 −6.88	0265 C14 42.08 13.33 −5.44	0274 D14 47.99 3.81 −3.99	0283 E14 52.11 −3.94 −3.79	0292 F14 56.22 −11.88 0.85	0301 G14 60.33 −19.81 5.5	0310 H14 64.44 −27.75 10.14	0319 I14 68.55 −35.67 14.79	0328 J14 33.07 37.84 −3.63	0337 K14 38.98 28.32 −2.19	0346 L14 44.89 18.8 0.69	0355 M14 50.8 9.27 2.13	0364 N14 56.71 −0.24 6.79	0373 O14 60.82 −8.17 11.43	0382 P14 64.93 −16.11 16.08	0391 Q14 69.04 −24.04 20.73	0400 R14 73.15 −31.97 25.37	0409 S14 36.81 45.94 2.93	0418 T14 42.72 54.42 4.37	0427 U14 48.63 54.54 5.82	0436 V14 54.54 60.45 7.26	0445 W14 60.45 65.75 8.71	0454 X14 66.36 71.05 14.22	0463 Y14 72.27 76.35 18.87	0472 Z14 78.18 73.97 23.51	0481 a14 84 78.08 28.16	0814 b14 60.56 15.22 −19.79	0823 c14 59.6 11.36 −14.31	0832 d14 58.63 7.49 −8.82	0841 e14 57.67 3.62 −3.34	0850 f14 56.71 −0.25 2.13	0859 g14 56.08 −1.51 13.57	0868 h14 55.45 −2.78 24.99	0877 i14 54.82 −4.05 36.42	0886 j14 54.19 −5.32 47.84	1012 k14 38.65 0.1 0.91	1028 l14 38.65 0.1 0.91	1044 m14 38.65 0.1 0.91	1060 n14 38.65 0.1 0.91
15	0248 A15 37.14 36.24 −13.81	0257 B15 43.05 26.72 −12.37	0266 C15 48.96 17.2 −10.92	0275 D15 53.07 7.67 −9.48	0284 E15 57.18 −0.08 −9.28	0293 F15 61.29 −7.84 −9.07	0302 G15 65.41 −15.77 −4.43	0311 H15 69.51 −23.7 0.21	0320 I15 73.62 −31.63 4.86	0329 J15 34.03 41.71 −9.12	0338 K15 39.94 32.19 −7.67	0347 L15 45.85 22.67 −6.23	0356 M15 51.76 13.14 −4.78	0365 N15 57.67 3.62 −3.

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F: linearized outputZE49/10L/L49E00FP.DAT in File (F)

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application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	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	l	m	n
01	0000 A01 18.02 0.49 −0.47	0009 B01 22.12 −7.42 4.17	0018 C01 26.23 −15.36 8.82	0027 D01 30.34 −23.29 13.46	0036 E01 34.45 −31.22 18.11	0045 F01 38.57 −39.16 22.76	0054 G01 42.68 −47.09 27.41	0063 H01 46.79 −55.03 32.05	0072 I01 50.9 −62.95 36.7	0081 J01 21.75 8.59 6.09	0090 K01 27.05 −0.95 11.6	0099 L01 31.16 −8.89 16.24	0108 M01 35.27 −16.82 20.89	0117 N01 39.38 −24.75 25.54	0126 O01 43.5 −32.69 30.19	0135 P01 47.61 −40.62 34.83	0144 Q01 51.72 −48.55 39.48	0153 R01 55.83 −56.48 44.12	0162 S01 25.49 16.69 12.66	0171 T01 30.79 7.14 18.16	0180 U01 36.1 −2.41 23.68	0189 V01 40.21 −10.34 28.32	0198 W01 44.32 −18.28 32.97	0207 X01 48.43 −26.21 37.62	0216 Y01 52.54 −34.14 42.27	0225 Z01 56.65 −42.08 46.91	0234 a01 60.76 −50.01 51.56	0243 b01 95.4 −0.98 4.75	0252 c01 99.51 −8.91 10.66	0261 d01 103.62 −16.84 16.58	0270 e01 89.47 −24.77 22.49	0279 f01 83.57 15.57 28.4	0288 g01 77.6 23.86 34.32	0297 h01 71.67 32.15 40.23	0306 i01 65.73 40.44 46.15	0315 j01 59.8 48.72 52.06	0324 k01 53.87 57.01 −1.47	0333 l01 47.94 65.29 −0.47	0342 m01 18.02 0.49 −0.47	0351 n01 18.02 0.49 −0.47
02	0001 A02 18.98 4.36 −5.95	0010 B02 23.08 −3.38 −5.75	0019 C02 27.2 −11.32 −1.1	0028 D02 31.31 −19.25 3.54	0037 E02 35.42 −27.18 8.19	0046 F02 39.53 −35.12 12.83	0055 G02 43.64 −43.05 17.48	0064 H02 47.75 −50.99 22.13	0073 I02 51.86 −58.91 26.77	0082 J02 21.77 9.82 −1.26	0091 K02 27.68 0.31 0.17	0100 L02 31.79 −7.62 4.83	0109 M02 35.9 −15.55 9.47	0118 N02 40.01 −23.48 14.12	0127 O02 44.12 −31.42 18.77	0136 P02 48.24 −39.35 23.42	0145 Q02 52.35 −47.28 28.06	0154 R02 56.46 −55.21 32.71	0163 S02 25.52 17.93 5.3	0172 T02 31.42 8.41 6.75	0181 U02 36.73 −1.14 12.26	0190 V02 40.84 −9.07 16.91	0199 W02 44.95 −17.01 21.55	0208 X02 49.06 −24.94 26.2	0217 Y02 53.17 −32.87 30.85	0226 Z02 57.28 −40.81 35.5	0235 a02 61.39 −48.73 40.14	0730 b02 90.8 −4.69 −1.17	0739 c02 85.73 −0.8 4.09	0748 d02 79.8 7.48 10.01	0757 e02 73.86 15.77 15.93	0766 f02 67.93 24.05 21.84	0775 g02 62.0 32.34 27.76	0784 h02 56.06 40.63 33.67	0793 i02 50.13 48.92 39.58	0802 j02 44.2 57.2 45.49	0973 k02 27.68 0.31 0.17	0982 l02 27.68 0.31 0.17	0991 m02 27.68 0.31 0.17	1000 n02 27.68 0.31 0.17
03	0002 A03 19.94 8.23 −11.43	0011 B03 24.05 0.48 −11.23	0020 C03 28.16 −7.27 −11.03	0029 D03 32.27 −15.21 −6.38	0038 E03 36.38 −23.14 −1.74	0047 F03 40.49 −31.08 2.9	0056 G03 44.61 −39.01 7.55	0065 H03 48.72 −46.94 12.2	0074 I03 52.83 −54.87 16.84	0083 J03 22.74 13.69 −6.74	0092 K03 28.64 4.18 −5.3	0101 L03 32.76 −3.57 −5.1	0110 M03 36.87 −11.51 −0.45	0119 N03 40.98 −19.44 4.19	0128 O03 45.09 −27.37 8.84	0137 P03 49.2 −35.31 13.48	0146 Q03 53.31 −43.24 18.13	0155 R03 57.42 −51.17 22.78	0164 S03 25.54 19.16 −2.05	0173 T03 31.45 9.65 −0.6	0182 U03 37.36 0.12 0.82	0191 V03 41.47 −7.8 5.48	0200 W03 45.58 −15.74 10.13	0209 X03 49.69 −23.67 14.77	0218 Y03 53.8 −31.6 19.42	0227 Z03 57.91 −39.54 24.07	0236 a03 62.02 −47.46 28.71	0731 b03 86.2 −8.39 −7.11	0740 c03 81.13 4.5 −1.83	0749 d03 76.06 −0.61 3.44	0758 e03 70.12 7.67 9.36	0767 f03 64.19 15.95 15.27	0776 g03 58.25 24.24 21.19	0785 h03 52.32 32.53 27.1	0794 i03 46.39 40.82 33.02	0803 j03 40.46 49.1 38.93	0974 k03 37.36 0.12 0.82	0983 l03 37.36 0.12 0.82	0992 m03 37.36 0.12 0.82	1001 n03 37.36 0.12 0.82
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06	0005 A06 22.83 19.84 −27.89	0014 B06 26.94 12.08 −27.69	0023 C06 31.05 4.32 −27.49	0032 D06 35.16 −3.43 −27.29	0041 E06 39.28 −11.19 −27.09	0050 F06 43.39 −18.95 −26.89	0059 G06 47.5 −26.88 −22.24	0068 H06 51.61 −34.82 −17.59	0077 I06 55.72 −42.74 −12.95	0086 J06 25.63 23.5 −23.2	0095 K06 31.54 15.28 −21.76	0104 L06 35.65 8.02 −21.56	0113 M06 39.76 0.26 −21.35	0122 N06 43.87 −7.49 −21.15	0131 O06 47.99 −15.25 −20.95	0140 P06 52.1 −23.18 −16.3	0149 Q06 56.21 −31.11 −11.66	0158 R06 60.32 −39.04 −7.01	0167 S06 28.43 30.77 −18.51	0176 T06 34.34 21.25 −17.06	0185 U06 40.25 11.73 −15.62	0194 V06 44.36 3.97 −15.42	0203 W06 48.47 −3.78 −15.21	0212 X06 52.58 −11.54 −15.01	0221 Y06 56.7 −19.48 −10.37	0230 Z06 60.81 −27.41 −5.72	0239 a06 64.91 −35.34 −1.07	0734 b06 72.41 −19.51 −24.92	0743 c06 67.34 −15.62 −19.64	0752 d06 62.26 −11.73 −14.36	0761 e06 57.18 −7.84 −9.07	0770 f06 52.11 −3.94 −3.79	0779 g06 47.03 0.05 1.48	0788 h06 41.1 8.12 7.4	0797 i06 35.16 16.51 13.31	0806 j06 29.23 24.79 19.22	0977 k06 66.38 −0.43 2.79	0986 l06 66.38 −0.43 2.79	0995 m06 66.38 −0.43 2.79	1004 n06 66.38 −0.43 2.79
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08	0007 A08 24.76 27.5 −38.86	0016 B08 28.87 19.82 −38.66	0025 C08 32.98 12.06 −38.46	0034 D08 37.09 4.3 −38.26	0043 E08 41.2 −3.45 −38.06	0052 F08 45.32 −11.21 −37.86	0061 G08 49.43 −18.97 −37.66	0070 H08 53.54 −26.73 −37.46	0079 I08 57.65 −34.46 −32.81	0088 J08 27.56 33.04 −34.17	0097 K08 33.46 23.52 −32.73	0106 L08 37.58 15.76 −32.53	0115 M08 41.69 8.0 −32.33	0124 N08 45.8 0.24 −32.13	0133 O08 49.91 −7.51 −31.92	0142 P08 54.03 −15.27 −31.72	0151 Q08 58.14 −23.03 −31.52	0160 R08 62.25 −30.76 −26.88	0169 S08 30.36 38.51 −29.48	0178 T08 36.26 28.89 −28.03	0187 U08 42.17 19.47 −26.59	0196 V08 46.29 11.7 −26.39	0205 W08 50.4 3.93 −26.19	0214 X08 54.51 −3.84 −25.99	0223 Y08 58.62 −11.56 −25.78	0232 Z08 62.74 −19.32 −25.58	0241 a08 66.84 −27.25 −20.94	0736 b08 63.21 −36.92 −36.8	0745 c08 58.14 −33.03 −31.52	0754 d08 53.06 −29.13 −26.24	0763 e08 47.99 −25.24 −20.95	0772 f08 42.91 −21.36 −15.67	0781 g08 37.83 −17.46 −10.38	0790 h08 32.76 −13.57 −5.1	0799 i08 27.68 −9.68 0.17	0808 j08 21.75 −0.8 6.09	0979 k08 85.73 −0.8 4.09	0988 l08 85.73 −0.8 4.09	0997 m08 85.73 −0.8 4.09	1006 n08 85.73 −0.8 4.09
09	0008 A09 25.72 27.26 −44.35	0017 B09 29.83 17.75 −44.14	0026 C09 33.94 8.22 −43.94	0035 D09 38.06 1.32 −43.74	0044 E09 42.17 −9.26 −43.54	0053 F09 46.28 −17.19 −43.34	0062 G09 50.39 −25.13 −43.14	0071 H09 54.51 −33.06 −42.94	0080 I09 58.61 −40.99 −42.75	0089 J09 28.52 36.9 −39.65	0098 K09 34.43 27.39 −38.21	0107 L09 38.54 19.63 −38.01	0116 M09 42.65 11.87 −37.81	0125 N09 46.76 4.11 −37.61	0134 O09 50.88 −3.64 −37.41	0143 P09 54.99 −11.4 −37.2	0152 Q09 59.1 −19.16 −37.0	0161 R09 63.21 −26.92 −36.8	0170 S09 31.32 42.37 −34.25	0179 T09 37.23 32.86 −32.85	0188 U09 43.14 23.33 −32.07	0197 V09 47.25 15.57 −31.87	0206 W09 51.36 7.81 −31.67	0215 X09 55.47 0.05 −31.47	0224 Y09 59.59 −7.7 −31.27	0233 Z09 63.7 −15.46 −31.06	0242 a09 67.81 −23.21 −30.86	0737 b09 58.61 −30.62 −42.74	0746 c09 53.54 −26.73 −37.46	0755 d09 48.47 −22.84 −32.19	0764 e09 43.39 −18.95 −26.89	0773 f09 38.31 −15.06 −21.6	0782 g09 33.24 −11.17 −16.32	0791 h09 28.16 −7.27 −11.03	0800 i09 23.08 −3.38 −5.75	0809 j09 18.02 0.49 −0.47	0980 k09 95.4 −0.98 4.75	0989 l09 95.4 −0.98 4.75	0998 m09 95.4 −0.98 4.75	1007 n09 95.4 −0.98 4.75
10	0243 A10 29.23 24.79 19.22	0252 B10 34.53 15.24 24.73	0261 C10 39.84 5.68 30.24	0270 D10 45.14 −3.87 35.76	0279 E10 49.25 −11.8 40.4	0288 F10 53.36 −19.73 45.05	0297 G10 57.47 −27.67 49.7	0306 H10 61.59 −35.6 54.35	0315 I10 65.69 −43.53 58.99	0324 J10 32.97 32.89 25.79	0333 K10 38.27 23.34 31.3	0342 L10 43.58 13.78 36.81	0351 M10 48.88 4.22 42.32	0360 N10 54.19 −5.32 47.84	0369 O10 58.3 −13.26 52.48	0378 P10 62.41 −21.19 57.13	0387 Q10 66.52 −29.13 61.78	0396 R10 70.63 −37.05 66.42	0405 S10 40.99 −13.02 32.36	0414 T10 44.91 12.74 37.87	0423 U10 51.42 21.88 43.38	0432 V10 52.62 12.33 48.89	0441 W10 57.93 2.77 54.4	0450 X10 63.23 −6.78 59.92	0459 Y10 67.34 −14.72 64.56	0468 Z10 71.45 −22.65 69.21	0477 a10 75.56 −30.58 73.85	0810 b10 95.4 −0.98 4.75	0819 c10 94.77 −2.26 16.17	0828 d10 94.14 −3.53 27.6	0837 e10 93.51 −4.8 39.02	0846 f10 92.88 −6.07 50.45	0855 g10 92.25 −7.34 61.88	0864 h10 91.62 −8.61 73.3	0873 i10 90.99 −9.88 84.73	0882 j10 90.36 −11.15 96.15	1008 k10 18.02 0.49 −0.47	1024 l10 18.02 0.49 −0.47	1040 m10 18.02 0.49 −0.47	1056 n10 18.02 0.49 −0.47
11	0244 A11 26.03 11.87	0253 B11 35.16 16.51 13.31	0262 C11 44.3 17.15 18.83	0271 D11 53.43 −2.6 24.34	0280 E11 62.57 −10.53 28.99	0289 F11 71.69 −18.46 33.63	0298 G11 80.8 −26.4 38.28	0307 H11 89.93 −34.33 42.93	0316 I11 99.05 −42.26 47.57	0325 J11 23.9 18.44 19.88	0334 K11 29.8 24.61 25.39	0343 L11 35.7 15.05 30.91	0352 M11 41.6 5.5 36.42	0361 N11 47.5 −4.05 41.07	0370 O11 53.4 −11.99 45.71	0379 P11 59.3 −19.92 50.36	0388 Q11 65.2 −27.86 55.01	0397 R11 71.2 −35.78 25.0	0406 S11 43.4 42.23 26.45	0415 T11 47.3 32.71 31.96	0424 U11 51.2 23.16 37.47	0433 V11 55.1 13.6 42.99	0442 W11 59.1 4.04 48.5	0451 X11 63.0 −5.51 53.15	0460 Y11 66.9 −13.44 57.79	0469 Z11 70.8 −21.38 62.44	0478 a11 74.7 −29.31 67.09	0811 b11 86.69 3.06 −1.37	0820 c11 85.73 −0.8 4.09	0829 d11 84.77 −2.07 15.53	0838 e11 83.81 −3.34 26.95	0847 f11 82.85 −4.61 38.38	0856 g11 81.89 −5.88 49.81	0865 h11 80.93 −7.15 61.23	0874 i11 79.97 −8.43 72.66	0883 j11 79.01 −9.7 84.08	1009 k11 23.9 0.4 −0.12	1025 l11 23.9 0.4 −0.12	1041 m11 23.9 0.4 −0.12	1057 n11 23.9 0.4 −0.12
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13	0246 A13 29.3 28.5 −2.84	0255 B13 35.21 18.98 −1.39	0264 C13 41.12 9.46 0.04	0273 D13 47.03 −0.05 1.48	0282 E13 51.14 −7.99 6.13	0291 F13 55.25 −15.92 10.78	0300 G13 59.36 −23.86 15.43	0309 H13 63.48 −31.79 20.08	0318 I13 67.58 −39.72 24.72	0327 J13 33.05 36.6 5.2	0336 K13 38.96 27.08 5.16	0345 L13 44.87 17.56 6.61	0354 M13 50.77 8.04 8.05	0363 N13 56.68 −1.51 13.57	0372 O13 60.19 −9.45 18.21	0381 P13 64.3 −17.38 22.86	0390 Q13 68.41 −25.31 27.51	0399 R13 72.52 −33.24 32.15	0408 S13 36.79 44.19 10.29	0417 T13 42.69 35.19 11.73	0426 U13 48.6 25.66 13.18	0435 V13 54.51 16.14 14.62	0444 W13 59.82 6.58 20.13	0453 X13 65.13 −2.97 25.65	0462 Y13 69.23 −10.9 30.29	0471 Z13 73.34 −18.84 34.94	0480 a13 77.45 −26.76 39.59	0813 b13 69.27 11.17 −13.65	0822 c13 68.31 7.3 −8.17	0831 d13 67.34 3.43 −2.68	0840 e13 66.38 −0.43 2.79	0849 f13 65.75 4.7 14.22	0858 g13 65.12 −2.97 25.65	0867 h13 64.49 −4.24 37.07	0876 i13 63.86 −5.51 48.5	0885 j13 63.23 −6.78 59.92	1011 k13 33.49 0.2 0.56	1027 l13 33.49 0.2 0.56	1043 m13 33.49 0.2 0.56	1059 n13 33.49 0.2 0.56
14	0247 A14 30.27 32.37 −8.32	0256 B14 36.17 22.85 −6.88	0265 C14 42.08 13.33 −5.44	0274 D14 47.99 3.81 −3.99	0283 E14 52.11 −3.94 −3.79	0292 F14 56.22 −11.88 0.85	0301 G14 60.33 −19.81 5.5	0310 H14 64.44 −27.75 10.14	0319 I14 68.55 −35.67 14.79	0328 J14 33.07 37.84 −3.63	0337 K14 38.98 28.32 −0.74	0346 L14 44.89 18.8 0.69	0355 M14 50.8 9.27 2.13	0364 N14 56.71 −0.24 6.79	0373 O14 60.82 −8.17 11.43	0382 P14 64.93 −16.11 16.08	0391 Q14 69.04 −24.04 20.73	0400 R14 73.15 −31.97 25.37	0409 S14 36.81 45.94 2.93	0418 T14 42.72 36.42 4.37	0427 U14 48.63 26.9 5.82	0436 V14 54.54 17.37 7.26	0445 W14 60.45 7.85 8.71	0454 X14 65.75 −1.22 14.22	0463 Y14 69.86 −9.63 18.87	0472 Z14 73.97 −17.57 23.51	0481 a14 78.08 −25.49 28.16	0814 b14 60.56 15.22 −19.79	0823 c14 59.6 11.36 −14.31	0832 d14 58.63 7.49 −8.82	0841 e14 57.67 3.62 −3.34	0850 f14 56.71 −0.24 2.13	0859 g14 56.08 −1.51 13.57	0868 h14 55.45 −2.78 24.99	0877 i14 54.82 −4.05 36.42	0886 j14 54.19 −5.32 47.84	1012 k14 38.65 0.1 0.91	1028 l14 38.65 0.1 0.91	1044 m14 38.65 0.1 0.91	1060 n14 38.65 0.1 0.91
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02	0001 A02 18.98 4.36 −5.95	0010 B02 23.08 −3.38 −5.75	0019 C02 27.2 −11.32 −1.1	0028 D02 31.31 −19.25 3.54	0037 E02 35.42 −27.18 8.19	0046 F02 39.53 −35.12 12.83	0055 G02 43.64 −43.05 17.48	0064 H02 47.75 −50.99 22.13	0073 I02 51.86 −58.91 26.77	0082 J02 21.77 9.82 −1.26	0091 K02 27.68 0.31 0.17	0100 L02 31.79 −7.62 4.83	0109 M02 35.9 −15.55 9.47	0118 N02 40.01 −23.48 14.12	0127 O02 44.12 −31.42 18.77	0136 P02 48.24 −39.35 23.42	0145 Q02 52.35 −47.28 28.06	0154 R02 56.46 −55.21 32.71	0163 S02 25.52 17.93 5.3	0172 T02 31.42 8.41 6.75	0181 U02 36.73 −1.14 12.26	0190 V02 40.84 −9.07 16.91	0199 W02 44.95 −17.01 21.55	0208 X02 49.06 −24.94 26.2	0217 Y02 53.17 −32.87 30.85	0226 Z02 57.28 −40.81 35.5	0235 a02 61.39 −48.73 40.14	0730 b02 90.8 −4.69 −1.17	0739 c02 85.73 −0.8 4.09	0748 d02 79.8 7.48 10.01	0757 e02 73.86 15.77 15.93	0766 f02 67.93 24.05 21.84	0775 g02 62.0 32.34 27.76	0784 h02 56.06 40.63 33.67	0793 i02 50.13 48.92 39.58	0802 j02 44.2 57.2 45.49	0973 k02 27.68 0.31 0.17	0982 l02 27.68 0.31 0.17	0991 m02 27.68 0.31 0.17	1000 n02 27.68 0.31 0.17
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06	0005 A06 22.83 19.84 −27.89	0014 B06 26.94 12.08 −27.69	0023 C06 31.05 4.32 −27.49	0032 D06 35.16 −3.43 −27.29	0041 E06 39.28 −11.19 −27.09	0050 F06 43.39 −18.95 −26.89	0059 G06 47.5 −26.88 −22.24	0068 H06 51.61 −34.82 −17.59	0077 I06 55.72 −42.74 −12.95	0086 J06 25.63 23.5 −23.2	0095 K06 31.54 15.28 −21.76	0104 L06 35.65 8.02 −21.56	0113 M06 39.76 0.26 −21.35	0122 N06 43.87 −7.49 −21.15	0131 O06 47.99 −15.25 −20.95	0140 P06 52.1 −23.18 −16.3	0149 Q06 56.21 −31.11 −11.66	0158 R06 60.32 −39.04 −7.01	0167 S06 28.43 30.77 −18.51	0176 T06 34.34 21.25 −17.06	0185 U06 40.25 11.73 −15.62	0194 V06 44.36 3.97 −15.42	0203 W06 48.47 −3.78 −15.21	0212 X06 52.58 −11.54 −15.01	0221 Y06 56.7 −19.48 −10.37	0230 Z06 60.81 −27.41 −5.72	0239 a06 64.91 −35.34 −1.07	0734 b06 72.41 −19.51 −24.92	0743 c06 67.34 −15.62 −19.64	0752 d06 62.26 −11.73 −14.36	0761 e06 57.18 −7.84 −9.07	0770 f06 52.11 −3.94 −3.79	0779 g06 47.03 0.05 1.48	0788 h06 41.1 8.12 7.4	0797 i06 35.16 16.51 13.31	0806 j06 29.23 24.79 19.22	0977 k06 66.38 −0.43 2.79	0986 l06 66.38 −0.43 2.79	0995 m06 66.38 −0.43 2.79	1004 n06 66.38 −0.43 2.79
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08	0007 A08 24.76 27.5 −38.86	0016 B08 28.87 19.82 −38.66	0025 C08 32.98 12.06 −38.46	0034 D08 37.09 4.3 −38.26	0043 E08 41.2 −3.45 −38.06	0052 F08 45.32 −11.21 −37.86	0061 G08 49.43 −18.97 −37.66	0070 H08 53.54 −26.73 −37.46	0079 I08 57.65 −34.66 −32.81	0088 J08 27.56 33.04 −34.17	0097 K08 33.46 23.52 −32.73	0106 L08 37.58 15.76 −32.53	0115 M08 41.69 8.0 −32.33	0124 N08 45.8 0.24 −32.13	0133 O08 49.91 −7.51 −31.92	0142 P08 54.03 −15.27 −31.72	0151 Q08 58.14 −23.03 −31.52	0160 R08 62.25 −30.96 −26.88	0169 S08 30.36 38.51 −29.48	0178 T08 36.26 28.89 −28.03	0187 U08 42.17 19.47 −26.59	0196 V08 46.29 11.7 −26.39	0205 W08 50.4 3.93 −26.19	0214 X08 54.51 −3.84 −25.99	0223 Y08 58.62 −11.56 −25.78	0232 Z08 62.74 −19.32 −25.58	0241 a08 66.84 −27.25 −20.94	0736 b08 63.21 −36.92 −36.8	0745 c08 58.14 −32.03 −31.52	0754 d08 53.06 −27.14 −26.24	0763 e08 47.99 −22.25 −20.95	0772 f08 42.91 −17.36 −15.67	0781 g08 37.83 −12.46 −10.38	0790 h08 32.76 −7.57 −5.1	0799 i08 27.68 0.31 0.17	0808 j08 21.75 8.59 6.09	0979 k08 85.73 −0.8 4.09	0988 l08 85.73 −0.8 4.09	0997 m08 85.73 −0.8 4.09	1006 n08 85.73 −0.8 4.09
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11	0244 A11 35.16 26.03 11.87	0253 B11 40.47 16.51 13.31	0262 C11 45.77 −2.6 18.83	0271 D11 51.08 −10.53 24.34	0280 E11 56.39 −18.46 28.99	0289 F11 61.7 −26.4 33.63	0298 G11 67.01 −34.33 38.28	0307 H11 72.32 −42.26 42.93	0316 I11 77.63 −50.19 47.57	0325 J11 33.9 24.61 18.44	0334 K11 38.9 15.05 19.88	0343 L11 44.21 5.5 25.39	0352 M11 49.51 −4.05 30.91	0361 N11 54.82 −11.99 36.42	0370 O11 60.13 −19.92 41.07	0379 P11 65.44 −27.86 45.71	0388 Q11 70.75 −35.78 50.36	0397 R11 76.06 −43.71 55.01	0406 S11 43.47 42.23 25.0	0415 T11 49.38 32.71 26.45	0424 U11 55.29 23.16 31.96	0433 V11 61.2 13.6 37.47	0442 W11 66.41 4.04 42.99	0451 X11 71.62 −5.51 48.5	0460 Y11 76.83 −13.44 53.15	0469 Z11 82.04 −21.38 57.79	0478 a11 87.25 −29.31 62.44	0811 b11 86.69 3.06 −1.37	0820 c11 85.73 −0.8 4.09	0829 d11 84.77 −2.07 15.53	0838 e11 83.81 −3.34 26.95	0847 f11 82.85 −4.61 38.38	0856 g11 81.89 −5.88 49.81	0865 h11 80.93 −7.15 61.23	0874 i11 79.97 −8.43 72.66	0883 j11 79.01 −9.7 84.08	1009 k11 22.13 0.4 −0.12	1025 l11 23.17 0.4 −0.12	1041 m11 23.17 0.4 −0.12	1057 n11 23.17 0.4 −0.12
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13	0246 A13 29.3 28.5 −2.84	0255 B13 35.21 18.98 −1.39	0264 C13 41.12 9.46 0.04	0273 D13 47.03 −0.05 1.48	0282 E13 51.14 −7.99 6.13	0291 F13 55.25 −15.92 10.78	0300 G13 59.36 −23.86 15.43	0309 H13 63.48 −31.79 20.08	0318 I13 67.58 −39.72 24.72	0327 J13 33.05 36.6 22.7	0336 K13 38.95 27.08 5.16	0345 L13 44.86 17.56 6.61	0354 M13 50.77 8.04 8.05	0363 N13 56.68 −1.51 13.57	0372 O13 60.19 −9.45 18.21	0381 P13 64.3 −17.38 22.86	0390 Q13 68.41 −25.31 27.51	0399 R13 72.52 −33.24 32.15	0408 S13 36.79 31.19 10.29	0417 T13 42.69 35.19 11.73	0426 U13 48.6 25.66 13.18	0435 V13 54.51 16.14 14.62	0444 W13 59.27 6.58 20.13	0453 X13 63.9 −2.37 25.65	0462 Y13 68.52 −10.9 30.29	0471 Z13 73.14 −18.84 34.94	0480 a13 77.45 −26.76 39.59	0813 b13 69.27 11.17 −13.65	0822 c13 68.31 7.3 −8.17	0831 d13 67.34 3.4 −2.68	0840 e13 66.38 −0.43 2.79	0849 f13 65.75 −1.7 14.22	0858 g13 65.12 −2.97 25.65	0867 h13 64.49 −4.24 37.07	0876 i13 63.86 −5.51 48.5	0885 j13 63.23 −6.78 59.92	1011 k13 33.49 0.2 0.56	1027 l13 33.49 0.2 0.56	1043 m13 33.49 0.2 0.56	1059 n13 33.49 0.2 0.56
14	0247 A14 30.27 32.37 −8.32	0256 B14 36.17 22.85 −6.88	0265 C14 42.08 13.33 −5.44	0274 D14 47.99 3.81 −3.99	0283 E14 52.11 −3.94 −3.79	0292 F14 56.22 −11.88 0.85	0301 G14 60.33 −19.81 5.5	0310 H14 64.44 −27.75 10.14	0319 I14 68.55 −35.67 14.79	0328 J14 33.07 37.84 −3.63	0337 K14 38.98 28.32 −0.74	0346 L14 44.89 18.8 0.69	0355 M14 50.8 9.27 2.13	0364 N14 56.71 −0.24 6.79	0373 O14 60.82 −8.17 11.43	0382 P14 64.93 −16.11 16.08	0391 Q14 69.04 −24.04 20.73	0400 R14 73.15 −31.97 25.37	0409 S14 36.81 45.94 2.93	0418 T14 42.72 36.42 4.37	0427 U14 48.63 26.9 5.82	0436 V14 54.54 17.37 7.26	0445 W14 60.45 7.85 8.71	0454 X14 65.75 −1.7 14.22	0463 Y14 69.86 −9.63 18.87	0472 Z14 73.97 −17.57 23.51	0481 a14 78.08 −25.49 28.16	0814 b14 60.56 −19.79	0823 c14 59.6 −16.01 −14.31	0832 d14 58.63 −12.23 −8.82	0841 e14 57.67 −8.44 −3.34	0850 f14 56.71 −4.65 2.13	0859 g14 56.08 −1.86 13.57	0868 h14 55.45 −2.78 24.99	0877 i14 54.82 −4.05 36.42	0886 j14 54.19 −5.32 47.84	1012 k14 38.65 0.1 0.91	1028 l14 38.65 0.1 0.91	1044 m14 38.65 0.1 0.91	1060 n14 38.65 0.1 0.91
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BAM material: code=rha4ta

	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	l	m	n
01	0000 A01 0.00 0.0 −0.00	0009 B01 10.46 −10.33 9.97	0018 C01 20.91 −20.67 19.96	0027 D01 31.36 −31.01 29.95	0036 E01 41.81 −41.36 39.94	0045 F01 52.26 −51.72 49.92	0054 G01 62.71 −62.04 59.91	0063 H01 73.16 −72.38 69.9	0072 I01 83.61 −72.38 79.88	0081 J01 6.32 9.6 8.06	0090 K01 11.59 −2.58 11.33	0099 L01 22.04 −12.92 21.32	0108 M01 32.49 −23.26 31.3	0117 N01 42.94 −33.61 41.29	0126 O01 53.39 −43.95 51.28	0135 P01 63.84 −54.29 61.27	0144 Q01 74.29 −64.63 71.25	0153 R01 84.74 −74.97 81.23	0162 S01 12.63 19.21 16.13	0171 T01 17.9 7.03 19.4	0180 U01 23.17 −5.16 22.67	0189 V01 33.62 −15.51 32.66	0198 W01 44.07 −25.85 42.65	0207 X01 54.52 −36.19 52.64	0216 Y01 64.97 −46.53 62.62	0225 Z01 75.42 −56.88 72.61	0234 a01 85.87 −67.21 82.59	0243 b01 95.41 0.0 −0.01	0252 c01 89.79 0.0 8.06	0261 d01 84.17 19.21 16.13	0270 e01 78.56 28.83 24.19	0279 f01 72.94 38.44 32.26	0288 g01 67.33 48.06 40.33	0297 h01 61.72 57.67 48.4	0306 i01 56.1 67.28 56.47	0315 j01 50.49 76.89 64.53	0324 k01 0.03 0.0 −0.01	0333 l01 0.03 0.0 −0.01	0342 m01 0.03 0.0 −0.01	0351 n01 0.03 0.0 −0.01
02	0001 A02 3.81 9.49 −12.93	0010 B02 10.86 −5.76 −1.69	0019 C02 21.32 −16.1 8.29	0028 D02 31.77 −26.44 18.28	0037 E02 42.22 −36.79 28.27	0046 F02 52.67 −47.13 38.25	0055 G02 63.12 −57.47 48.24	0064 H02 73.57 −67.81 58.23	0073 I02 84.01 −78.15 68.21	0082 J02 10.97 21.29 −12.95	0091 K02 17.0 9.5 −1.69	0100 L02 11.94 −5.76 8.29	0109 M02 22.38 −10.34 19.97	0118 N02 32.83 −20.68 29.96	0127 O02 43.28 −31.02 39.95	0136 P02 53.74 −41.37 49.93	0145 Q02 64.19 −51.71 59.92	0154 R02 74.64 −62.05 69.9	0163 S02 13.48 21.39 0.77	0172 T02 18.24 9.61 8.06	0181 U02 23.51 −2.58 11.34	0190 V02 33.96 −12.92 21.33	0199 W02 44.41 −23.27 31.31	0208 X02 54.87 −33.61 41.3	0217 Y02 65.32 −43.95 51.29	0226 Z02 75.77 −54.29 61.28	0235 a02 86.21 −64.63 71.26	0730 b02 94.33 −5.76 −1.69	0739 c02 83.49 0.0 −0.01	0748 d02 77.87 9.61 8.06	0757 e02 72.25 19.22 16.13	0766 f02 66.64 28.84 24.2	0775 g02 61.03 38.45 32.27	0784 h02 55.41 48.06 40.34	0793 i02 49.8 57.68 48.41	0802 j02 44.19 67.28 56.47	0973 k02 11.94 0.0 −0.01	0982 l02 11.94 0.0 −0.01	0991 m02 11.94 0.0 −0.01	1000 n02 11.94 0.0 −0.01
03	0002 A03 7.61 19.0 −25.88	0011 B03 14.66 3.74 −14.64	0020 C03 21.72 −11.53 −3.38	0029 D03 32.17 −21.87 6.6	0038 E03 42.63 −32.21 16.59	0047 F03 53.08 −42.56 26.57	0056 G03 63.53 −52.9 36.56	0065 H03 73.98 −63.24 46.55	0074 I03 84.42 −73.57 56.53	0083 J03 21.29 −20.24	0092 K03 9.5 −12.95	0101 L03 22.79 −5.76 −1.69	0110 M03 33.24 −16.11 8.29	0119 N03 43.69 −26.45 18.28	0128 O03 54.14 −36.79 28.27	0137 P03 64.59 −47.13 38.25	0146 Q03 75.05 −57.48 48.24	0155 R03 85.49 −67.81 58.22	0164 S03 14.33 23.57 −14.59	0173 T03 19.09 11.79 −7.3	0182 U03 23.87 0.0 −0.01	0191 V03 34.31 −10.34 9.98	0200 W03 44.76 −20.68 19.97	0209 X03 55.21 −31.02 29.96	0218 Y03 65.66 −41.37 39.95	0227 Z03 76.11 −51.71 49.93	0236 a03 86.55 −62.04 59.91	0731 b03 93.26 −11.53 −3.38	0740 c03 82.41 5.76 −1.69	0749 d03 71.57 0.0 −0.01	0758 e03 65.94 9.61 8.06	0767 f03 60.33 19.22 16.13	0776 g03 54.71 28.84 24.2	0785 h03 49.1 38.45 32.27	0794 i03 43.49 48.06 40.34	0803 j03 37.88 57.67 48.4	0974 k03 23.87 0.0 −0.01	0983 l03 23.87 0.0 −0.01	0992 m03 23.87 0.0 −0.01	1001 n03 23.87 0.0 −0.01
04	0003 A04 11.4 28.51 −38.83	0012 B04 18.46 13.25 −27.59	0021 C04 25.52 −2.02 −16.33	0030 D04 32.58 −17.3 −5.07	0039 E04 43.03 −27.64 4.91	0048 F04 53.48 −37.98 14.89	0057 G04 63.94 −48.32 24.88	0066 H04 74.39 −58.67 34.87	0075 I04 84.83 −69.0 44.85	0084 J04 14.77 30.79 −33.19	0093 K04 19.53 19.01 −25.9	0102 L04 26.59 3.73 −14.64	0111 M04 33.65 −11.53 −3.38	0120 N04 44.1 −22.2 6.6	0129 O04 54.55 −32.22 16.59	0138 P04 65.0 −42.56 26.57	0147 Q04 75.45 −52.9 36.56	0156 R04 85.9 −63.24 46.54	0165 S04 18.13 33.08 −27.54	0174 T04 22.89 21.3 −20.25	0183 U04 27.65 9.5 −12.95	0192 V04 34.71 −5.76 −1.69	0201 W04 45.17 −16.1 8.29	0210 X04 55.62 −26.45 18.28	0219 Y04 66.07 −36.79 28.27	0228 Z04 76.52 −47.13 38.25	0237 a04 86.96 −57.47 48.23	0732 b04 92.2 −17.3 −5.07	0741 c04 81.35 −1.53 3.38	0750 d04 70.49 −5.76 −1.69	0759 e04 59.64 0.0 −0.01	0768 f04 54.02 9.61 8.06	0777 g04 48.4 19.22 16.13	0786 h04 42.79 28.84 24.2	0795 i04 37.18 38.45 32.27	0804 j04 31.57 48.06 40.33	0975 k04 35.79 0.0 −0.01	0984 l04 35.79 0.0 −0.01	0993 m04 35.79 0.0 −0.01	1002 n04 35.79 0.0 −0.01
05	0004 A05 15.2 38.02 −51.78	0013 B05 22.26 22.75 −40.54	0022 C05 29.32 7.48 −29.28	0031 D05 36.38 −7.79 −18.02	0040 E05 43.44 −23.07 −6.76	0049 F05 53.89 −33.41 3.21	0058 G05 64.34 −43.75 13.2	0067 H05 74.79 −54.09 23.19	0076 I05 85.24 −64.43 33.17	0085 J05 18.56 28.52 −46.14	0094 K05 23.32 13.24 −38.84	0103 L05 30.38 −2.03 −27.59	0112 M05 37.44 −17.3 −16.33	0121 N05 51.44 −27.64 −5.07	0130 O05 54.96 −37.99 4.91	0139 P05 65.41 −48.33 14.89	0148 Q05 75.86 −58.67 24.88	0157 R05 86.3 −68.96 34.81	0166 S05 21.93 32.09 −40.49	0175 T05 26.69 30.8 −33.2	0184 U05 31.45 19.01 −25.9	0193 V05 38.51 3.73 −14.64	0202 W05 45.57 −11.53 −3.38	0211 X05 56.02 −21.88 6.6	0220 Y05 66.48 −32.22 16.59	0229 Z05 76.93 −42.56 26.57	0238 a05 87.37 −52.89 36.55	0733 b05 91.13 −23.07 −6.76	0742 c05 80.28 −17.3 −5.07	0751 d05 69.42 −11.53 −3.38	0760 e05 58.56 −5.76 −1.69	0769 f05 47.72 0.0 −0.01	0778 g05 42.12 9.61 8.06	0787 h05 36.48 19.22 16.13	0796 i05 30.86 28.84 24.2	0805 j05 25.25 38.45 32.27	0976 k05 47.72 0.0 −0.01	0985 l05 47.72 0.0 −0.01	0994 m05 47.72 0.0 −0.01	1003 n05 47.72 0.0 −0.01
06	0005 A06 19.0 47.52 −64.73	0014 B06 26.05 32.26 −53.49	0023 C06 33.12 16.98 −42.23	0032 D06 40.18 1.71 −30.97	0041 E06 47.24 −13.56 −19.71	0050 F06 54.3 −28.83 −8.46	0059 G06 64.75 −39.18 1.52	0068 H06 75.2 −49.52 11.51	0077 I06 85.64 −59.85 21.49	0086 J06 22.36 49.81 −59.09	0095 K06 27.12 38.03 −51.8	0104 L06 34.18 22.75 −40.54	0113 M06 41.24 7.47 −29.28	0122 N06 48.3 −7.79 −18.02	0131 O06 55.36 −23.07 −6.77	0140 P06 65.82 −33.41 3.21	0149 Q06 76.27 −43.76 13.2	0158 R06 86.71 −54.09 23.18	0167 S06 25.73 52.1 −53.44	0176 T06 30.49 40.31 −46.15	0185 U06 35.25 28.52 −38.84	0194 V06 42.31 13.24 −27.59	0203 W06 49.37 −2.03 −16.33	0212 X06 56.43 −12.36 −5.07	0221 Y06 66.88 −22.69 4.91	0230 Z06 77.33 −33.02 14.89	0239 a06 87.78 −43.36 24.87	0734 b06 90.07 −28.83 −8.46	0743 c06 79.22 −23.07 −6.77	0752 d06 68.36 −17.3 −5.07	0761 e06 57.5 −11.53 −3.38	0770 f06 46.64 −5.76 −1.69	0779 g06 35.79 0.0 −0.01	0788 h06 30.17 9.61 8.06	0797 i06 24.55 19.22 16.13	0806 j06 18.94 28.83 24.19	0977 k06 59.64 0.0 −0.01	0986 l06 59.64 0.0 −0.01	0995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
07	0006 A07 2.31 57.03 −77.68	0015 B07 29.85 41.77 −66.44	0024 C07 36.91 26.49 −55.18	0033 D07 43.97 11.22 −43.92	0042 E07 51.04 −4.05 −32.66	0051 F07 58.1 −19.33 −21.41	0060 G07 65.15 −34.6 −10.15	0069 H07 72.61 −44.95 −0.16	0078 I07 80.05 −55.28 9.81	0087 J07 16.38 59.32 −72.04	0096 K07 19.37 47.53 −64.75	0105 L07 22.37 32.26 −53.49	0114 M07 25.44 16.98 −42.23	0123 N07 28.51 1.7 −30.97	0132 O07 31.58 −13.56 −19.71	0141 P07 39.16 −28.84 −8.46	0150 Q07 46.72 −39.18 1.52	0159 R07 54.29 −49.52 11.5	0168 S07 18.42 61.6 −66.39	0177 T07 21.58 49.82 −59.1	0186 U07 24.73 38.03 −51.8	0195 V07 27.88 22.75 −40.54	0204 W07 31.03 7.47 −29.28	0213 X07 34.19 −7.79 −18.02	0222 Y07 37.34 −23.07 −6.77	0231 Z07 40.49 −33.41 3.21	0240 a07 43.65 −43.75 13.19	0735 b07 89.0 78.15 −10.15	0744 c07 77.74 −28.84 −8.46	0753 d07 66.48 −23.07 −6.77	0762 e07 55.22 −17.3 −5.07	0771 f07 43.96 −11.53 −3.38	0780 g07 32.7 −5.76 −1.69	0789 h07 21.72 0.0 −0.01	0798 i07 18.27 9.61 8.06	0807 j07 18.24 19.21 16.13	0978 k07 71.57 0.0 −0.01	0987 l07 71.57 0.0 −0.01	0996 m07 71.57 0.0 −0.01	1005 n07 71.57 0.0 −0.01
08	0007 A08 26.59 68.54 −90.63	0016 B08 33.65 51.28 −79.39	0025 C08 40.71 36.0 −68.13	0034 D08 47.77 20.72 −56.87	0043 E08 54.83 5.45 −45.61	0052 F08 61.89 −9.82 −34.36	0061 G08 68.96 −25.1 −23.1	0070 H08 76.02 −40.37 −11.84	0079 I08 86.46 −50.71 1.86	0088 J08 29.96 41.28 −84.99	0097 K08 34.71 57.04 −77.69	0106 L08 41.78 41.76 −66.44	0115 M08 48.84 26.49 −55.18	0124 N08 55.9 11.21 −43.92	0133 O08 62.96 −4.06 −32.66	0142 P08 70.02 −19.33 −21.41	0151 Q08 77.08 −34.61 −10.15	0160 R08 87.53 −44.94 −0.17	0169 S08 33.32 71.1 −79.34	0178 T08 38.08 59.3 −72.05	0187 U08 42.84 48.22 −64.75	0196 V08 49.9 32.26 −53.49	0205 W08 56.96 19.58 −42.23	0214 X08 64.02 1.7 −30.97	0223 Y08 71.09 −17.0 −19.71	0232 Z08 78.15 −13.56 −8.46	0241 a08 88.59 −24.89 1.51	0736 b08 87.93 −40.37 −11.84	0745 c08 77.08 −34.61 −10.15	0754 d08 66.22 −28.84 −8.46	0763 e08 55.36 −23.07 −6.77	0772 f08 44.51 −17.3 −5.07	0781 g08 33.65 −11.53 −3.38	0790 h08 22.79 −5.76 −1.69	0799 i08 11.94 0.0 −0.01	0808 j08 6.32 9.6 8.06	0979 k08 83.49 0.0 −0.01	0988 l08 83.49 0.0 −0.01	0997 m08 83.49 0.0 −0.01	1006 n08 83.49 0.0 −0.01
09	0008 A09 30.39 76.04 −103.57	0017 B09 37.44 60.78 −92.31	0026 C09 44.51 45.5 −81.07	0035 D09 51.57 30.22 −68.81	0044 E09 58.63 14.95 −57.55	0053 F09 65.69 −0.32 −47.1	0062 G09 72.75 −15.6 −36.04	0071 H09 79.81 −30.87 −24.78	0080 I09 86.87 −46.14 −13.52	0089 J09 33.75 58.51 −97.93	0098 K09 38.51 45.57 −90.63	0107 L09 43.27 52.63 −79.38	0116 M09 48.03 59.69 −68.12	0125 N09 52.79 66.75 −56.86	0134 O09 57.55 73.82 −45.6	0143 P09 62.31 80.88 −34.35	0152 Q09 67.08 87.93 −23.09	0161 R09 71.84 97.42 −11.84	0170 S09 37.19 41.87 −92.28	0179 T09 39.05 46.64 −88.37	0188 U09 40.91 53.7 −77.68	0197 V09 42.77 41.76 −76.43	0206 W09 44.63 26.48 −52.7	0215 X09 46.49 60.76 −41.15	0224 Y09 48.35 67.82 −29.61	0233 Z09 50.21 74.88 −18.73	0242 a09 52.07 −4.06 −7.88	0737 b09 86.87 −46.14 −13.52	0746 c09 76.02 −40.37 −11.84	0755 d09 65.16 −34.6 −10.15	0764 e09 54.3 −28.83 −8.46	0773 f09 43.44 −23.07 −6.77	0782 g09 32.58 −17.3 −5.07	0791 h09 21.72 −11.53 −3.38	0800 i09 10.86 −5.76 −1.69	0809 j09 0.03 0.0 −0.01	0980 k09 95.41 0.0 −0.01	0989 l09 95.41 0.0 −0.01	0998 m09 95.41 0.0 −0.01	1007 n09 95.41 0.0 −0.01
10	0243 A10 18.94 28.83 24.19	0252 B10 24.21 16.64 27.47	0261 C10 29.48 4.44 30.74	0270 D10 34.75 −7.75 34.02	0279 E10 41.02 −18.09 44.0	0288 F10 55.65 −28.43 53.99	0297 G10 66.1 −38.78 73.97	0306 H10 76.55 −49.12 83.95	0315 I10 87.0 −59.45 92.26	0324 J10 25.25 38.44 32.26	0333 K10 30.52 26.25 35.54	0342 L10 35.79 14.05 38.81	0351 M10 41.06 1.86 42.09	0360 N10 46.33 −10.33 45.36	0369 O10 56.78 −20.68 55.35	0378 P10 67.23 −31.02 65.34	0387 Q10 77.68 −41.36 75.32	0396 R10 88.13 −51.69 85.3	0405 S10 31.57 48.06 40.33	0414 T10 36.83 35.87 43.6	0423 U10 42.1 23.67 46.88	0432 V10 47.37 11.47 50.15	0441 W10 52.64 −0.72 53.43	0450 X10 57.91 −12.92 56.7	0459 Y10 68.36 −23.26 66.69	0468 Z10 78.81 −33.6 76.68	0477 a10 89.26 −43.94 86.66	0810 b10 95.41 0.0 −0.01	0819 c10 95.41 −2.58 11.33	0828 d10 94.71 −5.16 22.67	0837 e10 94.36 −7.75 34.02	0846 f10 94.02 −10.33 45.36	0855 g10 93.68 −12.92 56.7	0864 h10 93.33 −15.5 68.05	0873 i10 92.99 −18.09 79.39	0882 j10 92.65 −20.67 90.73	1008 k10 0.03 0.0 −0.01	1024 l10 0.03 0.0 −0.01	1040 m10 0.03 0.0 −0.01	1056 n10 0.03 0.0 −0.01
11	0244 A11 24.55 31.01 8.84	0253 B11 29.82 19.22 16.13	0262 C11 35.09 7.02 19.41	0271 D11 40.35 −5.17 22.68	0280 E11 45.61 −15.51 32.67	0289 F11 55.95 −25.85 42.66	0298 G11 66.45 −36.19 52.65	0307 H11 76.94 −46.54 62.63	0316 I11 87.42 −56.87 72.61	0325 J11 18.07 16.91 24.2	0334 K11 23.66 28.84 27.48	0343 L11 29.24 16.64 30.75	0352 M11 34.83 4.44 34.03	0361 N11 40.41 −7.75 44.01	0370 O11 51.76 −18.09 54.0	0379 P11 63.11 −28.43 63.99	0388 Q11 74.47 −38.78 73.97	0397 R11 85.82 −49.11 84.95	0406 S11 50.23 24.98 32.27	0415 T11 54.78 32.27 38.45	0424 U11 59.34 39.55 46.25	0433 V11 63.89 46.83 55.35	0442 W11 68.45 54.12 38.82	0451 X11 73.01 61.4 42.1	0460 Y11 77.57 48.69 45.37	0469 Z11 82.13 36.0 55.36	0478 a11 86.69 −10.34 65.35	0811 b11 87.27 9.49 −12.93	0820 c11 83.49 0.0 −0.01	0829 d11 79.71 −2.58 11.34	0838 e11 75.93 −5.17 22.68	0847 f11 72.15 −7.75 34.03	0856 g11 68.37 −10.34 45.37	0865 h11 64.58 −12.92 56.71	0874 i11 60.8 −15.51 68.05	0883 j11 57.02 −18.09 79.39	1009 k11 0.0 0.0 −0.01	1025 l11 0.0 0.0 −0.01	1041 m11 0.0 0.0 −0.01	1057 n11 0.0 0.0 −0.01
12	0245 A12 20.65 33.19 −6.52	0254 B12 25.4 21.4 0.76	0263 C12 30.17 9.61 8.06	0272 D12 35.44 −2.58 11.34	0281 E12 45.89 −12.92 21.33	0290 F12 56.34 −23.27 31.31	0299 G12 66.79 −33.61 41.3	0308 H12 77.24 −43.95 51.29	0317 I12 87.68 −54.28 61.27	0326 J12 26.96 42.8 1.54	0335 K12 31.72 16.13 8.83	0344 L12 36.48 19.42 16.13	0353 M12 41.25 22.68 19.41	0362 N12 47.02 32.67 22.68	0371 O12 57.47 −12.92 32.67	0380 P12 67.92 −23.27 42.66	0389 Q12 78.37 −33.61 41.3	0398 R12 88.81 −43.94 51.28	0407 S12 38.03 59.93 62.62	0416 T12 42.79 48.22 61.9	0425 U12 48.06 36.52 16.9	0434 V12 53.33 24.82 24.2	0443 W12 58.6 13.12 27.48	0452 X12 63.87 1.42 30.75	0461 Y12 69.05 −10.29 34.03	0470 Z12 79.5 −28.43 54.0	0479 a12 89.94 −46.53 63.98	0812 b12 79.15 19.0 −25.88	0821 c12 75.35 9.5 −12.95	0830 d12 71.57 0.0 −0.01	0839 e12 71.21 0.0 −0.01	0848 f12 70.87 −5.17 11.34	0857 g12 70.52 −7.75 22.68	0866 h12 70.18 −10.34 34.03	0875 i12 69.84 −12.92 45.37	0884 j12 69.49 −15.5 56.71	1010 k12 12.74 0.0 −0.01	1026 l12 12.74 0.0 −0.01	1042 m12 12.74 0.0 −0.01	1058 n12 12.74 0.0 −0.01
13	0246 A13 21.5 35.37 −21.89	0255 B13 26.26 23.58 −14.6	0264 C13 31.02 11.79 −7.3	0273 D13 35.79 0.0 −0.01	0282 E13 46.23 −10.34 9.98	0291 F13 56.68 −20.68 19.97	0300 G13 67.13 −31.02 29.96	0309 H13 77.59 −41.37 39.95	0318 I13 88.03 −51.71 49.92	0327 J13 27.81 44.98 −53.2	0336 K13 32.57 33.2 −6.53	0345 L13 37.33 21.4 8.06	0354 M13 42.09 9.61 11.34	0363 N13 47.36 −2.58 21.33	0372 O13 57.81 −12.92 31.3	0381 P13 68.26 −23.27 41.3	0390 Q13 78.72 −33.61 41.3	0399 R13 89.16 −43.94 51.28	0408 S13 34.12 54.59 −5.75	0417 T13 38.88 42.81 1.53	0426 U13 43.64 31.02 8.83	0435 V13 48.4 19.22 16.13	0444 W13 53.17 7.42 23.41	0453 X13 57.94 −4.38 30.69	0462 Y13 69.39 −15.51 32.67	0471 Z13 79.85 −26.85 42.66	0480 a13 90.29 −36.18 52.64	0813 b13 71.02 28.51 −38.83	0822 c13 67.23 19.01 −25.9	0831 d13 63.43 9.5 −12.95	0840 e13 59.64 0.0 −0.01	0849 f13 59.29 −2.58 11.34	0858 g13 58.95 −5.17 22.68	0867 h13 58.6 −7.75 34.03	0876 i13 58.26 −10.34 45.37	0885 j13 57.91 −12.92 56.7	1011 k13 19.1 0.0 −0.01	1027 l13 19.1 0.0 −0.01	1043 m13 19.1 0.0 −0.01	1059 n13 19.1 0.0 −0.01
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02	0001 A02 3.81 9.49 −12.93	0010 B02 10.86 −5.76 −1.69	0019 C02 21.32 −16.1 8.29	0028 D02 31.77 −26.44 18.28	0037 E02 42.22 −36.79 28.27	0046 F02 52.67 −47.13 38.25	0055 G02 63.12 −57.47 48.24	0064 H02 73.57 −67.81 58.23	0073 I02 84.01 −78.15 68.21	0082 J02 7.17 11.78 −7.29	0091 K02 11.94 0.0 −0.01	0100 L02 22.38 −10.34 9.98	0109 M02 32.83 −20.68 19.97	0118 N02 43.28 −31.02 29.96	0127 O02 53.74 −41.37 39.95	0136 P02 64.19 −51.71 49.93	0145 Q02 74.64 −62.05 59.92	0154 R02 85.08 −72.38 69.9	0163 S02 13.48 21.39 0.77	0172 T02 18.24 9.61 8.06	0181 U02 23.51 −2.58 11.34	0190 V02 33.96 −12.92 21.33	0199 W02 44.41 −23.27 31.31	0208 X02 54.87 −33.61 41.3	0217 Y02 65.32 −43.95 51.29	0226 Z02 75.77 −54.29 61.28	0235 a02 86.21 −64.63 71.26	0730 b02 94.33 −5.76 −1.69	0739 c02 83.49 0.0 −0.01	0748 d02 77.87 9.61 8.06	0757 e02 72.25 19.22 16.13	0766 f02 66.64 28.84 24.2	0775 g02 61.03 38.45 32.27	0784 h02 55.41 48.06 40.34	0793 i02 49.8 57.68 48.41	0802 j02 44.19 67.28 56.47	0973 k02 11.94 0.0 −0.01	0982 l02 11.94 0.0 −0.01	0991 m02 11.94 0.0 −0.01	1000 n02 11.94 0.0 −0.01
03	0002 A03 7.61 19.0 −25.88	0011 B03 14.66 3.74 −14.64	0020 C03 21.72 −11.53 −3.38	0029 D03 32.17 −21.87 6.6	0038 E03 42.63 −32.21 16.59	0047 F03 53.08 −42.56 26.57	0056 G03 63.53 −52.9 36.56	0065 H03 73.98 −63.24 46.55	0074 I03 84.42 −73.57 56.53	0083 J03 10.97 21.29 −20.24	0092 K03 17.73 9.5 −12.95	0101 L03 22.79 −5.76 −1.69	0110 M03 33.24 −16.11 8.29	0119 N03 43.69 −26.45 18.28	0128 O03 54.14 −36.79 28.27	0137 P03 64.59 −47.13 38.25	0146 Q03 75.05 −57.48 48.24	0155 R03 85.49 −67.81 58.22	0164 S03 14.33 23.57 −14.59	0173 T03 19.09 11.79 −7.3	0182 U03 23.87 0.0 −0.01	0191 V03 34.31 −10.34 9.98	0200 W03 44.76 −20.68 19.97	0209 X03 55.21 −31.02 29.96	0218 Y03 65.66 −41.37 39.95	0227 Z03 76.11 −51.71 49.93	0236 a03 86.55 −62.04 59.91	0731 b03 93.26 −11.53 −3.38	0740 c03 82.41 5.76 −1.69	0749 d03 71.57 0.0 −0.01	0758 e03 65.94 9.61 8.06	0767 f03 60.33 19.22 16.13	0776 g03 54.71 28.84 24.2	0785 h03 49.1 38.45 32.27	0794 i03 43.49 48.06 40.34	0803 j03 37.88 57.67 48.4	0974 k03 23.87 0.0 −0.01	0983 l03 23.87 0.0 −0.01	0992 m03 23.87 0.0 −0.01	1001 n03 23.87 0.0 −0.01
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06	0005 A06 19.0 47.52 −64.73	0014 B06 26.05 32.26 −53.49	0023 C06 33.12 16.98 −42.23	0032 D06 40.18 1.71 −30.97	0041 E06 47.24 −13.56 −19.71	0050 F06 54.3 −28.83 −8.46	0059 G06 64.75 −39.18 1.52	0068 H06 75.2 −49.52 11.51	0077 I06 85.64 −59.85 21.49	0086 J06 22.36 49.81 −59.09	0095 K06 27.12 38.03 −51.8	0104 L06 34.18 22.75 −40.54	0113 M06 41.24 7.47 −29.28	0122 N06 48.3 −7.79 −18.02	0131 O06 55.36 −23.07 −6.77	0140 P06 65.82 −33.41 3.21	0149 Q06 76.27 −43.76 13.2	0158 R06 86.71 −54.09 23.18	0167 S06 25.73 52.1 −53.44	0176 T06 30.49 40.31 −46.15	0185 U06 35.25 28.52 −38.84	0194 V06 42.31 13.24 −27.59	0203 W06 49.37 −2.03 −16.33	0212 X06 56.43 −17.3 −5.07	0221 Y06 66.88 −27.64 4.91	0230 Z06 77.33 −37.99 14.89	0239 a06 87.78 −48.32 24.87	0734 b06 90.07 −28.83 −8.46	0743 c06 79.22 −23.07 −6.77	0752 d06 68.36 −17.3 −5.07	0761 e06 57.5 −11.53 −3.38	0770 f06 46.64 −5.76 −1.69	0779 g06 35.79 0.0 −0.01	0788 h06 30.17 9.61 8.06	0797 i06 24.55 19.22 16.13	0806 j06 18.94 28.83 24.19	0977 k06 59.64 0.0 −0.01	0986 l06 59.64 0.0 −0.01	0995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
07	0006 A07 2.31 57.03 −77.68	0015 B07 29.85 41.77 −66.44	0024 C07 36.91 26.49 −55.18	0033 D07 43.97 11.22 −43.92	0042 E07 51.04 −4.05 −32.66	0051 F07 58.1 −19.33 −21.41	0060 G07 65.16 −34.6 −10.15	0069 H07 72.21 −44.95 −0.16	0078 I07 79.27 −55.28 9.81	0087 J07 16.38 59.32 −72.04	0096 K07 19.37 47.53 −64.75	0105 L07 22.37 32.26 −53.49	0114 M07 25.37 16.98 −42.23	0123 N07 28.37 1.7 −30.97	0132 O07 31.37 −13.56 −19.71	0141 P07 34.37 −28.84 −8.46	0150 Q07 37.37 −39.18 1.52	0159 R07 40.37 −49.52 11.5	0168 S07 18.42 61.6 −66.39	0177 T07 24.28 49.82 −59.1	0186 U07 30.15 38.03 −51.8	0195 V07 36.01 22.75 −40.54	0204 W07 41.87 7.47 −29.28	0213 X07 47.73 −7.79 −18.02	0222 Y07 53.6 −23.07 −6.77	0231 Z07 77.74 −33.41 3.21	0240 a07 88.18 −43.75 13.19	0735 b07 89.0 −34.6 −10.15	0744 c07 78.15 −28.84 −8.46	0753 d07 67.29 −23.07 −6.77	0762 e07 56.42 −17.3 −5.07	0771 f07 45.57 −11.53 −3.38	0780 g07 34.71 −5.76 −1.69	0789 h07 28.37 0.0 −0.01	0798 i07 22.03 9.61 8.06	0807 j07 15.7 19.22 16.13	0978 k07 71.57 0.0 −0.01	0987 l07 71.57 0.0 −0.01	0996 m07 71.57 0.0 −0.01	1005 n07 71.57 0.0 −0.01
08	0007 A08 26.59 68.54 −90.63	0016 B08 33.65 51.28 −79.39	0025 C08 40.71 36.0 −68.13	0034 D08 47.77 20.72 −56.87	0043 E08 54.83 5.45 −45.61	0052 F08 61.88 −9.82 −34.36	0061 G08 68.96 −25.1 −23.1	0070 H08 76.02 −40.37 −11.84	0079 I08 83.09 −55.64 1.86	0088 J08 29.96 82.82 −84.99	0097 K08 34.71 57.04 −77.69	0106 L08 41.78 41.76 −66.44	0115 M08 48.84 26.49 −55.18	0124 N08 55.9 11.21 −43.92	0133 O08 62.96 −4.06 −32.66	0142 P08 70.02 −19.33 −21.41	0151 Q08 77.08 −34.6 −10.15	0160 R08 87.53 −44.94 −0.17	0169 S08 33.32 71.1 −79.34	0178 T08 38.08 59.3 −72.05	0187 U08 42.84 42.53 −64.75	0196 V08 49.9 32.26 −53.49	0205 W08 56.96 19.98 −42.23	0214 X08 64.02 1.7 −30.97	0223 Y08 71.09 −13.56 −19.71	0232 Z08 78.15 −24.1 −8.46	0241 a08 88.59 −34.6 1.51	0736 b08 87.93 −40.37 −11.84	0745 c08 77.08 −34.61 −10.15	0754 d08 66.22 −28.84 −8.46	0763 e08 55.36 −23.07 −6.77	0772 f08 44.51 −17.3 −5.07	0781 g08 33.65 −11.53 −3.38	0790 h08 22.79 −5.76 −1.69	0799 i08 11.94 0.0 −0.01	0808 j08 6.32 9.6 8.06	0979 k08 83.49 0.0 −0.01	0988 l08 83.49 0.0 −0.01	0997 m08 83.49 0.0 −0.01	1006 n08 83.49 0.0 −0.01
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12	0245 A12 20.65 33.19 −6.52	0254 B12 25.4 21.4 0.76	0263 C12 30.17 9.61 8.06	0272 D12 35.44 −2.58 11.34	0281 E12 45.89 −12.92 21.33	0290 F12 56.34 −23.27 31.31	0299 G12 66.79 −33.61 41.3	0308 H12 77.24 −43.95 51.29	0317 I12 87.68 −54.28 61.27	0326 J12 26.96 42.8 1.54	0335 K12 31.72 18.01 8.83	0344 L12 36.48 19.22 16.13	0353 M12 41.25 7.02 19.41	0362 N12 47.02 −5.17 22.68	0371 O12 57.47 −15.51 32.67	0380 P12 67.92 −25.85 42.66	0389 Q12 78.37 −36.19 52.65	0398 R12 88.81 −46.53 62.62	0407 S12 33.27 40.63 9.61	0416 T12 38.03 28.84 16.9	0425 U12 42.79 17.05 24.2	0434 V12 48.06 5.26 27.48	0443 W12 53.33 −6.53 30.75	0452 X12 58.6 −17.8 34.03	0461 Y12 69.05 −28.43 44.01	0470 Z12 79.5 −38.77 54.0	0479 a12 89.94 −49.12 63.98	0812 b12 79.15 19.0 −25.88	0821 c12 75.35 9.5 −12.95	0830 d12 71.57 0.0 −0.01	0839 e12 71.21 2.58 11.34	0848 f12 70.87 5.16 22.68	0857 g12 70.52 7.75 34.03	0866 h12 70.18 10.34 45.37	0875 i12 69.84 12.92 56.71	0884 j12 69.49 15.5 68.05	1010 k12 12.74 0.0 −0.01	1026 l12 12.74 0.0 −0.01	1042 m12 12.74 0.0 −0.01	1058 n12 12.74 0.0 −0.01
13	0246 A13 21.5 35.37 −21.89	0255 B13 26.26 23.58 −14.6	0264 C13 31.02 11.79 −7.3	0273 D13 35.79 0.0 −0.01	0282 E13 46.23 −10.34 9.98	0291 F13 56.68 −20.68 19.97	0300 G13 67.13 −31.02 29.96	0309 H13 77.59 −41.37 39.95	0318 I13 88.03 −51.71 49.92	0327 J13 27.81 44.98 −12.82	0336 K13 32.57 33.2 −6.53	0345 L13 37.33 21.4 8.06	0354 M13 42.09 9.61 11.34	0363 N13 47.36 −2.58 21.33	0372 O13 57.81 −12.92 31.3	0381 P13 68.26 −23.27 41.3	0390 Q13 78.72 −33.61 41.3	0399 R13 89.16 −43.94 51.28	0408 S13 34.12 54.59 −5.75	0417 T13 38.88 42.81 1.51	0426 U13 43.64 31.02 8.83	0435 V13 48.4 19.23 16.13	0444 W13 53.17 7.44 22.68	0453 X13 57.94 −4.34 32.67	0462 Y13 69.39 −14.7 −15.51	0471 Z13 79.85 −25.05 −36.18	0480 a13 90.29 −35.4 −46.84	0813 b13 71.02 28.51 −38.83	0822 c13 67.23 19.01 −25.9	0831 d13 63.43 9.5 −12.95	0840 e13 59.64 0.0 −0.01	0849 f13 59.29 −2.58 11.34	0858 g13 58.94 −5.17 22.68	0867 h13 58.6 −7.75 34.03	0876 i13 58.26 −10.34 45.37	0885 j13 57.91 −12.92 56.7	1011 k13 19.1 0.0 −0.01	1027 l13 19.1 0.0 −0.01	1043 m13 19.1 0.0 −0.01	1059 n13 19.1 0.0 −0.01
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	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	l	m	n
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14	0247 A14 25.29 44.87 −34.84	0256 B14 30.05 33.09 −27.55	0265 C14 34.82 21.3 −20.25	0274 D14 39.58 9.5 −12.95	0283 E14 46.64 −5.76 −1.69	0292 F14 57.09 −16.11 8.29	0301 G14 67.54 −26.45 18.28	0310 H14 77.99 −36.79 28.27	0319 I14 88.44 −47.13 38.24	0328 J14 28.66 47.16 −29.19	0337 K14 33.42 35.38 −21.9	0346 L14 38.18 23.58 −14.6	0355 M14 42.94 11.79 −7.3	0364 N14 47.72 0.0 −0.01	0373 O14 58.16 −10.34 9.98	0382 P14 68.61 −20.68 19.97	0391 Q14 79.06 −31.02 29.96	0400 R14 89.5 −41.36 39.94	0409 S14 34.97 56.77 −21.12	0418 T14 39.73 44.99 −13.83	0427 U14 44.49 33.2 −6.53	0436 V14 49.25 21.4 0.76	0445 W14 54.02 9.61 8.06	0454 X14 59.29 −2.58 11.34	0463 Y14 69.74 −12.92 21.33	0472 Z14 80.19 −23.27 31.31	0481 a14 90.63 −33.6 41.29	0814 b14 62.89 −51.78 −38.84	0823 c14 59.1 −44.07 −25.9	0832 d14 55.3 −36.35 −12.95	0841 e14 51.5 −28.63 0.0	0850 f14 47.72 −2.58 11.34	0859 g14 47.36 −5.17 22.68	0868 h14 47.02 −7.75 34.03	0877 i14 46.67 −10.33 45.36	0886 j14 46.33 −12.92 −0.01	1012 k14 25.46 0.0 −0.01	1028 l14 25.46 0.0 −0.01	1044 m14 25.46 0.0 −0.01	1060 n14 25.46 0.0 −0.01
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03	0002 A03 7.61 19.0	0011 B03 14.66 3.74	0020 C03 21.72 −11.53	0029 D03 32.17 −21.87	0038 E03 42.63 −32.21	0047 F03 53.08 −42.56	0056 G03 63.53 −52.9	0065 H03 73.98 −63.24	0074 I03 84.42 −73.57	0083 J03 10.97 21.29	0092 K03 17.73 9.5	0101 L03 22.79 −5.76	0110 M03 33.24 −16.11	0119 N03 43.69 −26.45	0128 O03 54.14 −36.79	0137 P03 64.59 −47.13	0146 Q03 75.05 −57.48	0155 R03 85.49 −67.81	0164 S03 14.33 23.57	0173 T03 19.09 11.79	0182 U03 23.87 0.0	0191 V03 34.31 −10.34	0200 W03 44.76 −20.68	0209 X03 55.21 −31.02	0218 Y03 65.66 −41.37	0227 Z03 76.11 −51.71	0236 a03 86.55 −62.04	0731 b03 93.26 −11.53	0740 c03 82.41 −5.76	0749 d03 71.57 0.01	0758 e03 65.94 9.61	0767 f03 60.33 19.22	0776 g03 54.71 28.84	0785 h03 49.1 38.45	0794 i03 43.49 48.06	0803 j03 37.88 57.67	0974 k03 23.87 0.0	0983 l03 23.87 0.0	0992 m03 23.87 0.0	1001 n03 23.87 0.0
04	0003 A04 11.4 28.51	0012 B04 18.46 13.25	0021 C04 25.52 −2.02	0030 D04 32.58 −17.3	0039 E04 43.03 −27.64	0048 F04 53.48 −37.98	0057 G04 63.94 −48.32	0066 H04 74.39 −58.67	0075 I04 84.83 −69.0	0084 J04 14.77 30.79	0093 K04 19.53 19.01	0102 L04 26.59 3.73	0111 M04 33.65 −11.53	0120 N04 44.1 −21.88	0129 O04 54.55 −32.22	0138 P04 65.0 −42.56	0147 Q04 75.45 −52.9	0156 R04 85.9 −63.24	0165 S04 18.13 33.08	0174 T04 22.89 21.3	0183 U04 27.65 9.5	0192 V04 34.71 −5.76	0201 W04 45.17 −16.1	0210 X04 55.62 −26.45	0219 Y04 66.07 −36.79	0228 Z04 76.52 −47.13	0237 a04 86.96 −57.47	0732 b04 92.2 −17.3	0741 c04 81.35 −11.53	0750 d04 70.49 −5.76	0759 e04 59.64 0.01	0768 f04 54.02 9.61	0777 g04 48.4 19.22	0786 h04 42.79 28.84	0795 i04 37.18 38.45	0804 j04 31.57 48.06	0975 k04 35.79 0.0	0984 l04 35.79 0.0	0993 m04 35.79 0.0	1002 n04 35.79 0.0
05	0004 A05 15.2 38.02	0013 B05 22.26 22.75	0022 C05 29.32 7.48	0031 D05 36.38 −7.79	0040 E05 43.44 −23.07	0049 F05 53.89 −33.41	0058 G05 64.34 −43.75	0067 H05 74.79 −54.09	0076 I05 85.24 −64.43	0085 J05 18.56 28.52	0094 K05 23.32 13.24	0103 L05 30.38 −2.03	0112 M05 37.44 −17.3	0121 N05 44.51 −27.64	0130 O05 54.96 −37.99	0139 P05 65.41 −48.33	0148 Q05 75.86 −58.66	0157 R05 86.3 −68.99	0166 S05 21.93 32.49	0175 T05 26.69 30.8	0184 U05 31.45 19.01	0193 V05 38.51 3.73	0202 W05 45.57 −11.53	0211 X05 56.02 −21.88	0220 Y05 66.48 −32.22	0229 Z05 76.93 −42.56	0238 a05 87.37 −52.89	0733 b05 91.13 −23.07	0742 c05 80.28 −17.3	0751 d05 69.42 −11.53	0760 e05 58.56 −5.76	0769 f05 47.72 0.01	0778 g05 36.88 9.61	0787 h05 30.46 19.22	0796 i05 30.46 28.84	0805 j05 30.46 38.44	0976 k05 47.72 0.0	0985 l05 47.72 0.0	0994 m05 47.72 0.0	1003 n05 47.72 0.0
06	0005 A06 19.0 47.52	0014 B06 26.05 32.26	0023 C06 33.12 16.98	0032 D06 40.18 1.71	0041 E06 47.24 −13.56	0050 F06 54.3 −28.83	0059 G06 64.75 −39.18	0068 H06 75.2 −49.52	0077 I06 85.64 −59.85	0086 J06 22.36 49.81	0095 K06 27.12 38.03	0104 L06 34.18 22.75	0113 M06 41.24 7.47	0122 N06 48.3 −7.79	0131 O06 55.36 −23.07	0140 P06 65.82 −33.41	0149 Q06 76.27 −43.76	0158 R06 86.71 −54.09	0167 S06 25.73 52.1	0176 T06 30.49 40.31	0185 U06 35.25 28.52	0194 V06 42.31 13.24	0203 W06 49.37 −2.03	0212 X06 56.43 −16.33	0221 Y06 66.88 −27.64	0230 Z06 77.33 −37.99	0239 a06 87.78 −48.32	0734 b06 90.07 −28.83	0743 c06 79.22 −23.07	0752 d06 68.36 −17.3	0761 e06 57.5 −11.53	0770 f06 46.64 −5.76	0779 g06 35.79 0.01	0788 h06 30.17 9.61	0797 i06 24.55 19.22	0806 j06 18.94 28.83	0977 k06 59.64 0.0	0986 l06 59.64 0.0	0995 m06 59.64 0.0	1004 n06 59.64 0.0
07	0006 A07 2.31 57.03	0015 B07 29.85 41.77	0024 C07 16.91 26.49	0033 D07 4.97 11.22	0042 E07 −7.04 −4.05	0051 F07 18.1 −19.33	0060 G07 45.16 −34.6	0069 H07 72.61 −44.95	0078 I07 100.07 −55.28	0087 J07 16.38 59.32	0096 K07 19.92 47.53	0105 L07 22.97 32.26	0114 M07 25.04 16.98	0123 N07 27.1 1.7	0132 O07 39.16 −13.56	0141 P07 66.72 −28.84	0150 Q07 94.28 −39.18	0159 R07 121.85 −49.52	0168 S07 52.62 61.6	0177 T07 54.28 49.82	0186 U07 39.05 38.03	0195 V07 23.81 22.75	0204 W07 8.58 7.47	0213 X07 22.04 −7.79	0222 Y07 77.74 −23.07	0231 Z07 93.45 −33.41	0240 a07 109.16 −43.75	0735 b07 89.0 −28.84	0744 c07 78.15 −23.07	0753 d07 67.29 −17.3	0762 e07 56.43 −11.53	0771 f07 45.58 −5.76	0780 g07 34.71 0.01	0789 h07 28.27 9.61	0798 i07 18.24 19.21	0807 j07 8.2 16.13	0978 k07 71.57 −0.01	0987 l07 71.57 −0.01	0996 m07 71.57 −0.01	1005 n07 71.57 −0.01
08	0007 A08 26.59 68.54	0016 B08 33.65 51.28	0025 C08 40.71 36.0	0034 D08 47.77 20.72	0043 E08 54.83 5.45	0052 F08 61.88 −9.82	0061 G08 68.96 −25.1	0070 H08 76.02 −40.37	0079 I08 83.09 −11.84	0088 J08 29.96 −1.86	0097 K08 34.71 −84.99	0106 L08 41.78 −77.69	0115 M08 48.84 −66.44	0124 N08 55.9 −55.18	0133 O08 62.96 −43.92	0142 P08 70.02 −32.66	0151 Q08 77.08 −21.41	0160 R08 87.53 −10.15	0169 S08 33.32 −79.34	0178 T08 38.08 −72.05	0187 U08 42.84 −64.75	0196 V08 49.9 −53.49	0205 W08 56.96 −42.23	0214 X08 64.02 −30.97	0223 Y08 71.09 −19.71	0232 Z08 78.15 −8.46	0241 a08 88.59 1.51	0736 b08 87.93 −11.84	0745 c08 77.08 −10.15	0754 d08 66.22 −8.46	0763 e08 55.36 −6.77	0772 f08 44.51 −5.07	0781 g08 33.65 −3.38	0790 h08 22.79 −1.69	0799 i08 11.94 0.01	0808 j08 6.32 8.06	0979 k08 83.49 −0.01	0988 l08 83.49 −0.01	0997 m08 83.49 −0.01	1006 n08 83.49 −0.01
09	0008 A09 30.39 76.04	0017 B09 37.44 60.78	0026 C09 44.51 45.5	0035 D09 51.57 30.22	0044 E09 58.63 14.95	0053 F09 65.69 −0.32	0062 G09 72.75 −15.6	0071 H09 79.81 −30.87	0080 I09 86.87 −46.14	0089 J09 33.75 72.56	0098 K09 38.51 51.26	0107 L09 45.57 35.59	0116 M09 52.63 20.71	0125 N09 59.69 5.43	0134 O09 66.75 −9.83	0143 P09 73.82 −25.11	0152 Q09 80.88 −40.37	0161 R09 87.93 80.61	0170 S09 37.12 88.61	0179 T09 41.87 68.83	0188 U09 46.64 57.03	0197 V09 53.7 41.76	0206 W09 60.76 26.48	0215 X09 67.82 11.2	0224 Y09 74.88 −4.06	0233 Z09 81.94 −19.34	0242 a09 89.0 −34.6	0737 b09 86.87 −46.14	0746 c09 76.02 −40.37	0755 d09 65.16 −34.6	0764 e09 54.3 −28.83	0773 f09 43.44 −23.07	0782 g09 32.58 −17.3	0791 h09 21.72 −11.53	0800 i09 10.86 −5.76	0809 j09 0.03 0.01	0980 k09 95.41 −0.01	0989 l09 95.41 −0.01	0998 m09 95.41 −0.01	1007 n09 95.41 −0.01
10	0243 A10 18.94 28.83	0252 B10 24.21 16.64	0261 C10 29.48 4.44	0270 D10 34.75 −7.75	0279 E10 45.2 −18.09	0288 F10 55.65 −28.43	0297 G10 66.1 −38.78	0306 H10 76.55 −49.12	0315 I10 87.0 −59.45	0324 J10 25.25 38.44	0333 K10 30.52 26.25	0342 L10 35.79 14.05	0351 M10 41.06 1.86	0360 N10 46.33 −10.33	0369 O10 56.78 −20.68	0378 P10 67.23 −31.02	0387 Q10 77.68 −41.36	0396 R10 88.13 −51.69	0405 S10 41.08 48.06	0414 T10 44.75 35.87	0423 U10 48.42 23.67	0432 V10 41.2 11.47	0441 W10 47.37 −0.72	0450 X10 52.64 −12.92	0459 Y10 57.91 −25.15	0468 Z10 68.36 −23.26	0477 a10 78.81 −33.6	0810 b10 89.26 −43.94	0819 c10 95.41 0.0	0828 d10 95.41 −2.58	0837 e10 94.71 −5.16	0846 f10 94.36 −7.75	0855 g10 94.02 −10.33	0864 h10 93.68 −12.92	0873 i10 93.33 −15.5	0882 j10 92.99 −18.09	1008 k10 0.03 0.0	1024 l10 0.03 0.0	1040 m10 0.03 0.0	1056 n10 0.03 0.0
11	0244 A11 24.55 31.01	0253 B11 29.82 19.22	0262 C11 35.09 7.02	0271 D11 40.35 −5.17	0280 E11 45.62 −15.51	0289 F11 50.89 −25.85	0298 G11 56.15 −36.19	0307 H11 61.42 −46.54	0316 I11 66.69 −56.87	0325 J11 23.16 40.62	0334 K11 28.84 16.91	0343 L11 34.52 2.4	0352 M11 40.19 −11.26	0361 N11 45.86 −21.59	0370 O11 51.53 −31.93	0379 P11 57.21 −42.26	0388 Q11 62.88 −52.6	0397 R11 68.55 −62.93	0406 S11 50.23 24.98	0415 T11 48.25 32.27	0424 U11 46.27 35.55	0433 V11 44.29 38.82	0442 W11 42.31 42.1	0451 X11 40.33 45.37	0460 Y11 38.35 55.36	0469 Z11 36.37 65.35	0478 a11 34.39 75.32	0811 b11 87.27 −12.93	0820 c11 83.49 0.01	0829 d11 79.71 11.34	0838 e11 75.93 22.68	0847 f11 72.15 34.02	0856 g11 68.37 45.36	0865 h11 64.59 56.7	0874 i11 60.81 68.05	0883 j11 57.03 79.39	1009 k11 0.0 0.0	1025 l11 0.0 0.0	1041 m11 0.0 0.0	1057 n11 0.0 0.0
12	0245 A12 20.65 33.19	0254 B12 25.4 21.4	0263 C12 30.17 9.61	0272 D12 35.44 −2.58	0281 E12 45.89 −12.92	0290 F12 56.34 −23.27	0299 G12 66.79 −33.61	0308 H12 77.24 −43.95	0317 I12 87.68 −54.28	0326 J12 26.96 42.8	0335 K12 31.72 18.79	0344 L12 36.48 7.02	0353 M12 41.75 −4.67	0362 N12 47.02 −15.2	0371 O12 57.47 −25.55	0380 P12 67.92 −35.89	0389 Q12 78.37 −46.23	0398 R12 88.81 −56.56	0407 S12 38.02 52.4	0416 T12 38.03 40.63	0425 U12 42.79 28.84	0434 V12 48.06 16.64	0443 W12 53.33 4.45	0452 X12 58.6 −7.75	0461 Y12 69.05 −18.09	0470 Z12 79.5 −28.43	0479 a12 89.94 −38.77	0812 b12 79.15 19.0	0821 c12 75.35 9.5	0830 d12 71.57 0.0	0839 e12 71.21 −2.58	0848 f12 70.87 −5.17	0857 g12 70.52 −7.75	0866 h12 70.18 −10.34	0875 i12 69.84 −12.92	0884 j12 69.49 −15.5	1010 k12 12.74 0.0	1026 l12 12.74 0.0	1042 m12 12.74 0.0	1058 n12 12.74 0.0
13	0246 A13 21.5 35.37	0255 B13 26.26 23.58	0264 C13 31.02 11.79	0273 D13 35.79 0.0	0282 E13 46.23 −10.34	0291 F13 56.68 −20.68	0300 G13 67.13 −31.02	0309 H13 77.59 −41.37	0318 I13 88.03 −51.7	0327 J13 27.81 44.98	0336 K13 32.57 32.2	0345 L13 37.33 21.4	0354 M13 42.09 9.61	0363 N13 47.36 −2.58	0372 O13 57.81 −12.92	0381 P13 68.26 −23.27	0390 Q13 78.72 −33.61	0399 R13 89.16 −43.94	0408 S13 34.12 54.59	0417 T13 38.88 42.81	0426 U13 43.64 31.02	0435 V13 48.4 19.22	0444 W13 53.17 7.02	0453 X13 58.94 −5.17	0462 Y13 69.39 −15.51	0471 Z13 79.85 −25.85	0480 a13 90.29 −36.18	0813 b13 71.02 28.51	0822 c13 67.23 19.01	0831 d13 63.43 9.5	0840 e13 59.64 0.0	0849 f13 59.29 −2.58	0858 g13 58.94 −5.17	0867 h13 58.6 −7.75	0876 i13 58.26 −10.34	0885 j13 57.91 −12.92	1011 k13 19.1 0.0	1027 l13 19.1 0.0	1043 m13 19.1 0.0	1059 n13 19.1 0.0
14	0247 A14 25.29 44.87	0256 B14 30.05 33.09	0265 C14 34.82 21.3	0274 D14 39.58 9.5	0283 E14 46.64 −5.76	0292 F14 57.09 −16.11	0301 G14 67.54 −26.45	0310 H14 77.99 −36.79	0319 I14 88.44 −47.13	0328 J14 28.66 47.16	0337 K14 33.42 35.8	0346 L14 38.18 23.58	0355 M14 42.94 11.79	0364 N14 47.72 0.0	0373 O14 58.16 −10.34	0382 P14 68.61 −20.68	0391 Q14 79.06 −31.02	0400 R14 89.5 −41.36	0409 S14 34.97 56.77	0418 T14 39.73 44.99	0427 U14 44.49 33.2	0436 V14 49.25 21.4	0445 W14 54.02 9.61	0454 X14 59.29 −2.58	0463 Y14 69.74 −9.5	0472 Z14 80.19 −23.27	0481 a14 90.63 −33.6	0814 b14 62.89 38.02	0823 c14 59.1 28.52	0832 d14 55.3 19.01	0841 e14 51.5 9.5	0850 f14 47.72 0.0	0859 g14 47.36 −2.58	0868 h14 47.02 −5.17	0877 i14 46.67 −7.75	0886 j14 46.33 −10.33	1012 k14 25.46 0.0	1028 l14 25.46 0.0	1044 m14 25.46 0.0	1060 n14 25.46 0.0
15	0248 A15 29.73 54.38	0257 B15 33.85 42.6	0266 C15 38.61 30.8	0275 D15 43.38 19.01	0284 E15 50.44 3.73	0293 F15 57.5 −11.53	0302 G15 67.95 −21.88	0311 H15 78.4 −32.22	0320 I15 88.84 −42.55	0329 J15 29.15 56.67	0338 K15 33.92 44.88	0347 L15 38.68 33.09	0356 M15 43.45 21.3	0365 N15 48.22 9.5	0374 O15 58.56 −5.76	0383 P15 69.02 −16.11	0392 Q15 79.47 −26.45	0401 R15 89.91 −36.78	0410 S15 35.82 58.95	0419 T15 40.58 47.17	0428 U15 45.34 35.38	0437 V15 50.11 23.58	0446 W15 54.87 11.79	0455 X15 60.64 0.0	0464 Y15 71.08 −10.34	0473 Z15 81.53 −20.68	0482 a15 90.94 −31.01	0815 b15 54.76 47.52	0824 c15 50.97 38.03	0833 d15 47.18 28.52	0842 e15 43.38 19.01	0851 f15 39.58 9.5	0860 g15 39.25 0.0	0869 h15 38.91 −2.58	0878 i15 38.57 −5.17	0887 j15 38.23 −7.75	1029 l15 31.82 0.0	1045 m15 31.82 0.0	1061 n15 31.82 0.0
16	0249 A16 22.89 63.89	0258 B16 37.65 52.11	0267 C16 42.41 40.31	0276 D16 47.17 28.52	0285 E16 52.23 13.24	0294 F16 61.3 −2.03	0303 G16 68.36 −17.3	0312 H16 78.81 −27.64	0321 I16 89.25 −37.98	0330 J16 36.25 66.18	0339 K16 41.01 54.9	0348 L16 45.78 42.6	0357 M16 50.54 30.8	0366 N16 55.3 19.01	0375 O16 62.36 3.73	0384 P16 69.42 −11.53	0393 Q16 76.48 −21.88	0402 R16 83.54 −32.21	0411 S16 68.46 −49.44	0420 T16 66.58 −42.15	0429 U16 64.69 −34.85	0438 V16 62.8 −27.55	0447 W16 58.67 −20.25	0456 X16 63.43 −12.95	0465 Y16 70.49 −1.69	0474 Z16 80.94 −11.96	0483 a16 91.38 −26.44	0816 b16 46.64 57.03	0825 c16 42.84 47.52	0834 d16 39.05 38.03	0843 e16 35.25 28.52	0852 f16 31.45 19.01	0861 g16 27.65 9.5	0870 h16 23.87 0.0	0879 i16 23.51 −2.58	0888 j16 23.17 −5.17	1014 k16 38.18 0.0	1030 l16 38.18 0.0	1046 m16 38.18 0.0	1062 n16 38.18 0.0
17	0250 A17 36.69 73.4	0259 B17 41.45 59.61	0268 C17 46.21 49.82	0277 D17 50.97 38.03	0286 E17 58.03 22.75	0295 F17 65.09 7.47	0304 G17 72.15 −7.9	0313 H17 79.22 −23.27	0322 I17 86.28 −38.6	0331 J17 40.05 75.68	0340 K17 44.81 63.9	0349 L17 49.57 52.1	0358 M17 54.34 41.3	0367 N17 59.1 28.52	0376 O17 66.16 13.24	0385 P17 73.22 −2.03	0394 Q17 80.28 −17.3	0403 R17 87.34 −32.57	0412 S17 43.42 77.97	0421 T17 48.18 69.6	0430 U17 52.94 61.29	0439 V17 57.7 52.9	0448 W17 62.46 44.6	0457 X17 67.23 36.3	0466 Y17 74.29 28.01	0475 Z17 81.35 19.73	0484 a17 91.79 −14.64	0817 b17 38.51 66.54	0826 c17 34.71 57.04	0835 d17 30.92 47.52	0844 e17 27.12 38.03	0853 f17 23.32 28.52	0862 g17 19.53 19.01	0871 h17 15.73 9.5	0880 i17 11.94 0.0	0889 j17 11.59 −2.58	1031 k17 44.54 0.0	1047 l17 44.54 0.0	1063 m17 44.54 0.0	1063 n17 44.54 0.0
18	0251 A18 37.88 82.9	0260 B18 45.24 71.11	0269 C18 50.0 59.32	0278 D18 54.76 47.52	0287 E18 61.83 32.25	0296 F18 68.89 16.97	0305 G18 75.95 1.7	0314 H18 83.01 −13.57	0323 I18 90.07 −28.83	0332 J18 43.85 85.18	0341 K18 48.6 73.4	0350 L18 53.37 61.6	0359 M18 58.13 49.81	0368 N18 62.89 38.02	0377 O18 69.95 22.74	0386 P18 77.01 7.46	0395 Q18 84.07 −7.8	0404 R18 91.12 −23.07	0413 S18 47.21 87.47	0422 T18 51.97 75.68	0431 U18 56.73 63.89	0440 V18 61.49 52.1	0449 W18 66.26 40.3	0458 X18 71.02 28.51	0467 Y18 78.08 13.23	0476 Z18 85.14 −2.03	0485 a18 92.2 −17.37	0818 b18 42.3 76.04	0827 c18 38.51 66.54	0836 d18 34.72 57.03	0845 e18 30.93 47.52	0854 f18 26.59 38.02	0863 g18 22.8 28.52	0872 h18 19.0 19.01	0881 i18 15.2 9.49	0890 j18 11.4 0.0	1016 k18 50.9 −0.01	1032 l18 50.9 −0.01	1048 m18 50.9 −0.01	1064 n18 50.9 −0.01
19	0748 A19 57.67 48.4	0495 B19 43.14 51.67	0504 C19 48.41 54.95	0513 D19 53.68 58.22	0522 E19 58.95 61.5	0531 F19 64.22 64.77	0540 G19 69.49 68.05	0549 H19 79.94 78.04	0558 I19 90.39 88.02	0567 J19 44.19 67.28	0576 K19 48.95 55.09	0585 L19 53.72 42.9	0594 M19 59.99 30.7	0603 N19 66.26 18.5	0612 O19 70.53 6.3	0621 P19 75.8 −5.89	0630 Q19 81.07 −18.09	0639 R19 91.52 −28.42	0648 S19 50.49 76.89	0657 T19 55.76 64.7	0666 U19 61.03 52.5	0675 V19 66.3 40.3	0684 W19 71.57 28.1	0693 X19 76.84 15.91	0702 Y19 82.11 3.71	0711 Z19 87.38 −8.48	0720 a19 92.65 −20.67	0819 b19 95.41 0.0	0900 c19 93.92 −10.33	0909 d19 92.42 −20.67	0918 e19 90.98 −31.01	0927 f19 89.5 −41.36	0936 g19 88.03

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BAM material: code=rha4ta

	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	l	m	n
01	0000 A01 0.0 0.0	0009 B01 10.46 −10.33 9.97	0018 C01 20.91 −20.67 19.96	0027 D01 31.36 −31.01 29.95	0036 E01 41.81 −41.36 39.94	0045 F01 52.26 −51.72 49.92	0054 G01 62.71 −62.04 59.91	0063 H01 73.16 −72.38 69.9	0072 I01 83.61 −72.38 79.88	0081 J01 6.32 9.6 8.06	0090 K01 11.59 −2.58 11.33	0099 L01 22.04 −12.92 21.32	0108 M01 32.49 −23.26 31.3	0117 N01 42.94 −33.61 41.29	0126 O01 53.39 −43.95 51.28	0135 P01 63.84 −54.29 61.27	0144 Q01 74.29 −64.63 71.25	0153 R01 84.74 −74.97 81.23	0162 S01 12.63 19.21 16.13	0171 T01 17.9 7.03 19.4	0180 U01 23.17 −5.16 22.67	0189 V01 33.62 −15.51 32.66	0198 W01 44.07 −25.85 42.65	0207 X01 54.52 −36.19 52.64	0216 Y01 64.97 −46.53 62.62	0225 Z01 75.42 −56.88 72.61	0234 a01 85.87 −67.21 82.59	0243 b01 95.41 0.0 −0.01	0252 c01 89.79 0.0 8.06	0261 d01 84.17 19.21 16.13	0270 e01 78.56 28.83 24.19	0279 f01 72.94 38.44 32.26	0288 g01 67.33 48.06 40.33	0297 h01 61.72 57.67 48.4	0306 i01 56.1 67.28 56.47	0315 j01 50.49 76.89 64.53	0324 k01 0.03 0.0 −0.01	0333 l01 0.03 0.0 −0.01	0342 m01 0.03 0.0 −0.01	0351 n01 0.03 0.0 −0.01
02	0001 A02 3.81 9.49 −12.93	0010 B02 10.86 −5.76 −1.69	0019 C02 21.32 −16.1 8.29	0028 D02 31.77 −26.44 18.28	0037 E02 42.22 −36.79 28.27	0046 F02 52.67 −47.13 38.25	0055 G02 63.12 −57.47 48.24	0064 H02 73.57 −67.81 58.23	0073 I02 84.01 −78.15 68.21	0082 J02 10.97 21.29 −12.95	0091 K02 17.0 9.5 −1.69	0100 L02 11.94 −5.76 8.29	0109 M02 22.38 −10.34 19.97	0118 N02 32.83 −20.68 29.96	0127 O02 43.28 −31.02 39.95	0136 P02 53.74 −41.37 49.93	0145 Q02 64.19 −51.71 59.92	0154 R02 74.64 −62.05 69.9	0163 S02 13.48 21.39 0.77	0172 T02 18.24 9.61 8.06	0181 U02 23.51 −2.58 11.34	0190 V02 33.96 −12.92 21.33	0199 W02 44.41 −23.27 31.31	0208 X02 54.87 −33.61 41.3	0217 Y02 65.32 −43.95 51.29	0226 Z02 75.77 −54.29 61.28	0235 a02 86.21 −64.63 71.26	0730 b02 94.33 −5.76 −1.69	0739 c02 83.49 0.0 −0.01	0748 d02 77.87 9.61 8.06	0757 e02 72.25 19.22 16.13	0766 f02 66.64 28.84 24.2	0775 g02 61.03 38.45 32.27	0784 h02 55.41 48.06 40.34	0793 i02 49.8 57.68 48.41	0802 j02 44.19 67.28 56.47	0973 k02 11.94 0.0 −0.01	0982 l02 11.94 0.0 −0.01	0991 m02 11.94 0.0 −0.01	1000 n02 11.94 0.0 −0.01
03	0002 A03 7.61 19.0 −25.88	0011 B03 14.66 3.74 −14.64	0020 C03 21.72 −11.53 −3.38	0029 D03 32.17 −21.87 6.6	0038 E03 42.63 −32.21 16.59	0047 F03 53.08 −42.56 26.57	0056 G03 63.53 −52.9 36.56	0065 H03 73.98 −63.24 46.55	0074 I03 84.42 −73.57 56.53	0083 J03 21.29 −20.24	0092 K03 9.5 −12.95 −1.69	0101 L03 22.79 −5.76 8.29	0110 M03 33.24 −16.11 18.28	0119 N03 43.69 −26.45 28.27	0128 O03 54.14 −36.79 38.25	0137 P03 64.59 −47.13 48.24	0146 Q03 75.05 −57.48 58.22	0155 R03 85.49 −67.81 68.21	0164 S03 14.33 23.57 −14.59	0173 T03 19.09 11.79 −7.3	0182 U03 23.87 0.0 −0.01	0191 V03 34.31 −10.34 9.98	0200 W03 44.76 −20.68 19.97	0209 X03 55.21 −31.02 29.96	0218 Y03 65.66 −41.37 39.95	0227 Z03 76.11 −51.71 49.93	0236 a03 86.55 −62.04 59.91	0731 b03 93.26 −11.53 −3.38	0740 c03 82.41 5.76 −1.69	0749 d03 71.57 0.0 −0.01	0758 e03 65.94 9.61 8.06	0767 f03 60.33 19.22 16.13	0776 g03 54.71 28.84 24.2	0785 h03 49.1 38.45 32.27	0794 i03 43.49 48.06 40.34	0803 j03 37.88 57.67 48.4	0974 k03 23.87 0.0 −0.01	0983 l03 23.87 0.0 −0.01	0992 m03 23.87 0.0 −0.01	1001 n03 23.87 0.0 −0.01
04	0003 A04 11.4 28.51 −38.83	0012 B04 18.46 13.25 −27.59	0021 C04 25.52 −2.02 −16.33	0030 D04 32.58 −17.3 −5.07	0039 E04 43.03 −27.64 4.91	0048 F04 53.48 −37.98 14.89	0057 G04 63.94 −48.32 24.88	0066 H04 74.39 −58.67 34.87	0075 I04 84.83 −69.0 44.85	0084 J04 14.77 30.79 −33.19	0093 K04 19.53 19.01 −25.9	0102 L04 26.59 3.73 −14.64	0111 M04 33.65 −11.53 −3.38	0120 N04 44.1 −22.2 6.6	0129 O04 54.55 −32.22 16.59	0138 P04 65.0 −42.56 26.57	0147 Q04 75.45 −52.9 36.56	0156 R04 85.9 −63.24 46.54	0165 S04 18.13 33.08 −27.54	0174 T04 22.89 21.3 −20.25	0183 U04 27.65 9.5 −12.95	0192 V04 34.71 −5.76 −1.69	0201 W04 45.17 −16.1 8.29	0210 X04 55.62 −26.45 18.28	0219 Y04 66.07 −36.79 28.27	0228 Z04 76.52 −47.13 38.25	0237 a04 86.96 −57.47 48.23	0732 b04 92.2 −17.3 −5.07	0741 c04 81.35 −11.53 −3.38	0750 d04 70.49 −5.76 −1.69	0759 e04 59.64 0.0 −0.01	0768 f04 54.02 9.61 8.06	0777 g04 48.4 19.22 16.13	0786 h04 42.79 28.84 24.2	0795 i04 37.18 38.45 32.27	0804 j04 31.57 48.06 40.33	0975 k04 35.79 0.0 −0.01	0984 l04 35.79 0.0 −0.01	0993 m04 35.79 0.0 −0.01	1002 n04 35.79 0.0 −0.01
05	0004 A05 15.2 38.02 −51.78	0013 B05 22.26 22.75 −40.54	0022 C05 29.32 7.48 −29.28	0031 D05 36.38 −7.79 −18.02	0040 E05 43.44 −23.07 −6.76	0049 F05 53.89 −33.41 3.21	0058 G05 64.34 −43.75 13.2	0067 H05 74.79 −54.09 23.19	0076 I05 85.24 −64.43 33.17	0085 J05 18.56 28.52 −46.14	0094 K05 23.32 13.24 −38.84	0103 L05 30.38 −2.03 −27.59	0112 M05 37.44 −17.3 −16.33	0121 N05 51.41 −27.64 −5.07	0130 O05 54.96 −37.99 4.91	0139 P05 65.41 −48.33 14.89	0148 Q05 75.86 −58.67 24.88	0157 R05 86.3 −68.99 34.85	0166 S05 21.93 32.09 −40.49	0175 T05 26.69 30.8 −33.2	0184 U05 31.45 19.01 −25.9	0193 V05 38.51 3.73 −14.64	0202 W05 45.57 −11.53 −3.38	0211 X05 56.02 −21.88 6.6	0220 Y05 66.48 −32.22 16.59	0229 Z05 76.93 −42.56 26.57	0238 a05 87.37 −52.89 36.55	0733 b05 91.13 −23.07 −5.76	0742 c05 80.28 −17.3 −3.38	0751 d05 69.42 −11.53 −1.69	0760 e05 58.56 −5.76 0.0	0769 f05 47.72 0.0 −0.01	0778 g05 42.12 9.61 8.06	0787 h05 36.48 19.22 16.13	0796 i05 30.86 28.84 24.2	0805 j05 25.25 38.45 32.27	0976 k05 47.72 0.0 −0.01	0985 l05 47.72 0.0 −0.01	0994 m05 47.72 0.0 −0.01	1003 n05 47.72 0.0 −0.01
06	0005 A06 19.0 47.52 −64.73	0014 B06 26.05 32.26 −53.49	0023 C06 33.12 16.98 −42.23	0032 D06 40.18 1.71 −30.97	0041 E06 47.24 −13.56 −19.71	0050 F06 54.3 −28.83 −8.46	0059 G06 64.75 −39.18 1.52	0068 H06 75.2 −49.52 11.51	0077 I06 85.64 −59.85 21.49	0086 J06 22.36 −59.09	0095 K06 27.12 −51.8	0104 L06 34.18 38.03 −40.54	0113 M06 41.24 22.75 −29.28	0122 N06 48.3 7.47 −18.02	0131 O06 55.36 −7.79 −6.77	0140 P06 65.82 −33.41 3.21	0149 Q06 76.27 −43.76 13.2	0158 R06 86.71 −54.09 23.18	0167 S06 25.73 52.1 −53.44	0176 T06 30.49 40.31 −46.15	0185 U06 35.25 28.52 −38.84	0194 V06 42.31 13.24 −27.59	0203 W06 49.37 −2.03 −16.33	0212 X06 56.43 −17.3 −5.07	0221 Y06 66.88 −27.64 4.91	0230 Z06 77.33 −37.99 14.89	0239 a06 87.78 −48.32 24.87	0734 b06 90.07 −28.83 −8.46	0743 c06 79.22 −23.07 −6.77	0752 d06 68.36 −17.3 −5.07	0761 e06 57.5 −11.53 −3.38	0770 f06 46.64 −5.76 −1.69	0779 g06 35.79 0.0 −0.01	0788 h06 30.17 9.61 8.06	0797 i06 24.55 19.22 16.13	0806 j06 18.94 28.83 24.19	0977 k06 59.64 0.0 −0.01	0986 l06 59.64 0.0 −0.01	0995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
07	0006 A07 2.31 57.03 −77.68	0015 B07 29.85 41.77 −66.44	0024 C07 36.91 26.49 −55.18	0033 D07 43.97 11.22 −43.92	0042 E07 51.04 −4.05 −32.66	0051 F07 58.1 −19.33 −21.41	0060 G07 65.15 −34.6 −10.15	0069 H07 72.61 −44.95 −0.16	0078 I07 80.05 −55.28 9.81	0087 J07 16.38 59.32 −72.04	0096 K07 19.37 47.53 −64.75	0105 L07 22.36 32.26 −53.49	0114 M07 25.34 16.98 −42.23	0123 N07 28.33 1.7 −30.97	0132 O07 41.91 −13.56 −19.71	0141 P07 55.49 −28.84 −8.46	0150 Q07 69.06 −39.18 1.52	0159 R07 82.64 −49.52 11.5	0168 S07 18.22 61.6 −66.39	0177 T07 24.28 49.82 −59.1	0186 U07 30.35 38.03 −51.8	0195 V07 36.41 22.75 −40.54	0204 W07 42.48 7.47 −29.28	0213 X07 48.54 −7.79 −18.02	0222 Y07 62.11 −23.07 −6.77	0231 Z07 77.74 −33.41 3.21	0240 a07 93.37 −43.75 13.19	0735 b07 89.0 −34.6 −10.15	0744 c07 78.15 −28.84 −8.46	0753 d07 67.29 −23.07 −6.77	0762 e07 56.42 −17.3 −5.07	0771 f07 45.57 −11.53 −3.38	0780 g07 34.71 −5.76 −1.69	0789 h07 28.37 0.0 −0.01	0798 i07 22.01 9.61 8.06	0807 j07 15.67 19.21 16.13	0978 k07 71.57 0.0 −0.01	0987 l07 71.57 0.0 −0.01	0996 m07 71.57 0.0 −0.01	1005 n07 71.57 0.0 −0.01
08	0007 A08 26.59 68.54 −90.63	0016 B08 33.65 51.28 −79.39	0025 C08 40.71 36.0 −68.13	0034 D08 47.77 20.72 −56.87	0043 E08 54.83 5.45 −45.61	0052 F08 61.88 −9.82 −34.36	0061 G08 68.96 −25.1 −23.1	0070 H08 76.02 −40.37 −11.84	0079 I08 86.46 −50.71 1.86	0088 J08 29.96 41.28 −84.99	0097 K08 34.71 57.04 −77.69	0106 L08 41.78 41.76 −66.44	0115 M08 48.84 26.49 −55.18	0124 N08 55.9 11.21 −43.92	0133 O08 62.96 −4.06 −32.66	0142 P08 70.02 −19.33 −21.41	0151 Q08 77.08 −34.61 −10.15	0160 R08 87.53 −44.94 −0.17	0169 S08 33.32 71.1 −79.34	0178 T08 38.08 59.33 −72.05	0187 U08 42.84 47.53 −64.75	0196 V08 49.9 32.26 −53.49	0205 W08 56.96 19.58 −42.23	0214 X08 63.98 1.7 −30.97	0223 Y08 71.09 −19.71 −21.41	0232 Z08 78.15 −28.84 −8.46	0241 a08 88.59 −39.17 1.51	0736 b08 87.93 −40.37 −11.84	0745 c08 77.08 −34.61 −10.15	0754 d08 66.22 −28.84 −8.46	0763 e08 55.36 −23.07 −6.77	0772 f08 44.51 −17.3 −5.07	0781 g08 33.65 −11.53 −3.38	0790 h08 22.79 −5.76 −1.69	0799 i08 11.94 0.0 −0.01	0808 j08 6.32 9.6 8.06	0979 k08 83.49 0.0 −0.01	0988 l08 83.49 0.0 −0.01	0997 m08 83.49 0.0 −0.01	1006 n08 83.49 0.0 −0.01
09	0008 A09 30.39 33.19 −103.57	0017 B09 37.44 21.4 −92.73	0026 C09 44.51 9.61 −81.07	0035 D09 51.57 30.22 −69.81	0044 E09 58.63 14.95 −58.55	0053 F09 65.69 −0.32 −47.1	0062 G09 72.75 −15.6 −36.04	0071 H09 79.81 −30.87 −24.78	0080 I09 86.87 −46.14 −13.39	0089 J09 33.75 58.72 −97.93	0098 K09 38.51 66.54 −90.63	0107 L09 45.57 51.26 −79.38	0116 M09 52.63 35.99 −68.12	0125 N09 59.69 20.71 −56.86	0134 O09 66.75 5.43 −45.6	0143 P09 73.82 −9.83 −34.35	0152 Q09 80.88 −25.11 −23.09	0161 R09 87.93 −40.37 −11.84	0170 S09 37.19 41.87 −92.28	0179 T09 41.94 46.64 −84.98	0188 U09 46.7 53.7 −77.68	0197 V09 51.46 41.76 −66.43	0206 W09 56.22 26.48 −55.18	0215 X09 60.76 11.2 −43.9	0224 Y09 67.82 −4.06 −32.66	0233 Z09 74.88 −19.34 −21.41	0242 a09 81.94 −34.6 −10.15	0737 b09 86.87 −46.14 −13.39	0746 c09 76.02 −40.37 −11.84	0755 d09 65.16 −34.6 −10.15	0764 e09 54.3 −28.83 −8.46	0773 f09 43.44 −23.07 −6.77	0782 g09 32.58 −17.3 −5.07	0791 h09 21.72 −11.53 −3.38	0800 i09 10.86 −5.76 −1.69	0809 j09 0.03 0.0 −0.01	0980 k09 95.41 0.0 −0.01	0989 l09 95.41 0.0 −0.01	0998 m09 95.41 0.0 −0.01	1007 n09 95.41 0.0 −0.01
10	0243 A10 18.94 28.83 24.19	0252 B10 24.21 16.64 27.47	0261 C10 29.48 4.44 30.74	0270 D10 34.75 −7.75 34.02	0279 E10 41.02 −18.09 44.0	0288 F10 55.65 −28.43 53.99	0297 G10 66.1 −38.78 73.97	0306 H10 76.55 −49.12 83.95	0315 I10 87.0 −59.45 92.26	0324 J10 25.25 38.44 32.26	0333 K10 30.52 26.25 35.54	0342 L10 35.79 14.05 38.81	0351 M10 41.06 1.86 42.09	0360 N10 46.33 −10.33 45.36	0369 O10 56.78 −20.68 55.35	0378 P10 67.23 −31.02 65.34	0387 Q10 77.68 −41.36 75.32	0396 R10 88.13 −51.69 85.3	0405 S10 31.57 48.06 40.33	0414 T10 36.83 35.87 43.6	0423 U10 42.1 23.67 46.88	0432 V10 47.37 11.47 50.15	0441 W10 52.64 −0.72 53.43	0450 X10 57.91 −12.92 56.7	0459 Y10 68.36 −23.26 66.69	0468 Z10 78.81 −33.6 76.68	0477 a10 89.26 −43.94 86.66	0810 b10 95.41 0.0 −0.01	0819 c10 95.41 −2.58 11.33	0828 d10 94.71 −5.16 22.67	0837 e10 94.36 −7.75 34.02	0846 f10 94.02 −10.33 45.36	0855 g10 93.68 −12.92 56.7	0864 h10 93.33 −15.5 68.05	0873 i10 92.99 −18.09 79.39	0882 j10 92.65 −20.67 90.73	1008 k10 0.03 0.0 −0.01	1024 l10 0.03 0.0 −0.01	1040 m10 0.03 0.0 −0.01	1056 n10 0.03 0.0 −0.01
11	0244 A11 24.55 31.01 8.84	0253 B11 29.82 19.22 16.13	0262 C11 35.09 7.02 19.41	0271 D11 40.35 −5.17 22.68	0280 E11 45.61 −15.51 32.67	0289 F11 55.99 −25.85 42.66	0298 G11 66.45 −36.19 52.65	0307 H11 76.92 −46.54 62.63	0316 I11 87.38 −56.87 72.61	0325 J11 18.09 16.91 24.2	0334 K11 30.86 28.84 27.48	0343 L11 16.13 16.64 30.75	0352 M11 41.4 4.44 34.03	0361 N11 52.91 −7.75 44.01	0370 O11 57.13 −18.09 54.0	0379 P11 67.58 −28.43 63.99	0388 Q11 78.03 −38.78 73.97	0397 R11 88.47 −49.11 84.29	0406 S11 50.23 24.98	0415 T11 28.45 32.27	0424 U11 34.22 35.55	0433 V11 39.98 38.82	0442 W11 45.75 42.1	0451 X11 51.52 45.37	0460 Y11 57.28 −10.34 55.36	0469 Z11 63.04 −20.68 65.35	0478 a11 68.81 −31.02 75.32	0811 b11 87.27 −41.35 −12.93	0820 c11 83.49 9.49 −0.01	0829 d11 79.71 0.0 11.34	0838 e11 75.93 −2.58 22.68	0847 f11 72.15 −5.17 34.03	0856 g11 68.37 −7.75 45.37	0865 h11 64.59 −10.34 56.71	0874 i11 60.81 −12.92 68.05	0883 j11 57.03 −15.51 79.39	1009 k11 0.0 0.0 −0.01	1025 l11 0.0 0.0 −0.01	1041 m11 0.0 0.0 −0.01	1057 n11 0.0 0.0 −0.01
12	0245 A12 20.65 33.19 −6.52	0254 B12 25.4 21.4 0.76	0263 C12 30.17 9.61 8.06	0272 D12 35.44 −2.58 11.34	0281 E12 45.89 −12.92 21.33	0290 F12 56.34 −23.27 31.31	0299 G12 66.79 −33.61 41.3	0308 H12 77.24 −43.95 51.29	0317 I12 87.68 −54.28 61.27	0326 J12 26.96 42.8 54.2	0335 K12 31.72 31.0 16.13	0344 L12 36.48 19.22 19.41	0353 M12 41.75 7.02 22.68	0362 N12 47.02 −5.17 32.67	0371 O12 57.47 −15.51 42.66	0380 P12 67.92 −25.85 52.65	0389 Q12 78.37 −36.19 62.65	0398 R12 88.81 −46.53 62.62	0407 S12 38.03 40.63 9.61	0416 T12 42.79 28.84 16.9	0425 U12 48.06 17.18 24.2	0434 V12 53.33 5.52 27.48	0443 W12 58.6 −7.75 30.75	0452 X12 63.87 −18.09 34.03	0461 Y12 69.05 −28.43 44.01	0470 Z12 79.5 −38.77 54.0	0479 a12 89.94 −49.11 63.98	0812 b12 79.15 19.0 −25.88	0821 c12 75.35 9.5 −12.95	0830 d12 71.57 0.0 −0.01	0839 e12 71.21 2.58 11.34	0848 f12 70.87 5.17 22.68	0857 g12 70.52 7.75 34.03	0866 h12 70.18 10.34 45.37	0875 i12 69.84 12.92 56.71	0884 j12 69.49 15.51 68.05	1010 k12 12.74 0.0 −0.01	1026 l12 12.74 0.0 −0.01	1042 m12 12.74 0.0 −0.01	1058 n12 12.74 0.0 −0.01
13	0246 A13 21.5 35.37 −21.89	0255 B13 26.26 23.58 −14.6	0264 C13 31.02 11.79 −7.3	0273 D13 35.79 0.0 −0.01	0282 E13 46.23 −10.34 9.98	0291 F13 56.68 −20.68 19.97	0300 G13 67.13 −31.02 29.96	0309 H13 77.59 −41.37 39.95	0318 I13 88.03 −51.71 49.92	0327 J13 27.81 44.98 −12.92	0336 K13 32.57 33.2 −6.53	0345 L13 37.33 21.4 8.06	0354 M13 42.09 9.61 11.34	0363 N13 47.36 −2.58 21.33	0372 O13 57.81 −12.92 31.3	0381 P13 68.26 −23.27 41.3	0390 Q13 78.72 −33.61 41.3	0399 R13 89.16 −43.94 51.28	0408 S13 34.12 54.59 −5.76	0417 T13 38.88 42.81 1.51	0426 U13 43.64 31.02 8.83	0435 V13 48.4 19.22 16.13	0444 W13 53.17 7.42 24.2	0453 X13 57.94 −4.37 27.48	0462 Y13 69.39 −15.51 32.67	0471 Z13 79.85 −25.85 42.66	0480 a13 90.29 −36.18 52.64	0813 b13 71.02 28.51 −38.83	0822 c13 67.23 19.01 −25.9	0831 d13 63.43 9.5 −12.95	0840 e13 59.64 0.0 −0.01	0849 f13 59.29 −2.58 11.34	0858 g13 58.94 −5.17 22.68	0867 h13 58.6 −7.75 34.03	0876 i13 58.26 −10.34 45.37	0885 j13 57.91 −12.92 56.7	1011 k13 19.1 0.0 −0.01	1027 l13 19.1 0.0 −0.01	1043 m13 19.1 0.0 −0.01	1059 n13 19.1 0.0 −0.01
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15	0248 A15 29.87 54.38 −47.79	0257 B15 33.85 42.6 −40.5	0266 C15 38.61 30.8 −33.2	0275 D15 43.38 19.01 −25.9	0284 E15 50.44 3.73 −14.64	0293 F15 57.5 −11.53 −3.38	0302 G15 67.95 −21.88 6.6	0311 H15 78.4 −32.22 16.59	0320 I15 88.84 −42.55 26.56	0329 J15 32.46 56.67 −42.14	0338 K15 37.21 44.88 −34.85	0347 L15 41.98 33.09 −27.55	0356 M15 46.74 21.3

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02	0001 A02 3.81 9.49	0010 B02 10.86 −5.76	0019 C02 21.32 −16.1	0028 D02 31.77 −26.44	0037 E02 42.22 −36.79	0046 F02 52.67 −47.13	0055 G02 63.12 −57.47	0064 H02 73.57 −67.81	0073 I02 84.01 −78.15	0082 J02 7.17 11.78	0091 K02 11.94 0.0	0100 L02 22.38 −10.34	0109 M02 32.83 −20.68	0118 N02 43.28 −31.02	0127 O02 53.74 −41.37	0136 P02 64.19 −51.71	0145 Q02 74.64 −62.05	0154 R02 85.08 −72.38	0163 S02 13.48 21.39	0172 T02 18.24 9.61	0181 U02 23.51 −2.58	0190 V02 33.96 −12.92	0199 W02 44.41 −23.27	0208 X02 54.87 −33.61	0217 Y02 65.32 −43.95	0226 Z02 75.77 −54.29	0235 a02 86.21 −64.63	0730 b02 94.33 −5.76	0739 c02 83.49 0.0	0748 d02 77.87 9.61	0757 e02 72.25 19.22	0766 f02 66.64 28.84	0775 g02 61.03 38.45	0784 h02 55.41 48.06	0793 i02 49.8 57.68	0802 j02 44.19 67.28	0973 k02 11.94 0.0	0982 l02 11.94 0.0	0991 m02 11.94 0.0	1000 n02 11.94 0.0
03	0002 A03 7.61 19.0	0011 B03 14.66 3.74	0020 C03 21.72 −11.53	0029 D03 32.17 −21.87	0038 E03 42.63 −32.21	0047 F03 53.08 −42.56	0056 G03 63.53 −52.9	0065 H03 73.98 −63.24	0074 I03 84.42 −73.57	0083 J03 10.97 21.29	0092 K03 17.73 9.5	0101 L03 22.79 −5.76	0110 M03 33.24 −16.11	0119 N03 43.69 −26.45	0128 O03 54.14 −36.79	0137 P03 64.59 −47.13	0146 Q03 75.05 −57.48	0155 R03 85.49 −67.81	0164 S03 14.33 23.57	0173 T03 19.09 11.79	0182 U03 23.87 0.0	0191 V03 34.31 −10.34	0200 W03 44.76 −20.68	0209 X03 55.21 −31.02	0218 Y03 65.66 −41.37	0227 Z03 76.11 −51.71	0236 a03 86.55 −62.04	0731 b03 93.26 −11.53	0740 c03 82.41 −5.76	0749 d03 71.57 0.0	0758 e03 65.94 9.61	0767 f03 60.33 19.22	0776 g03 54.71 28.84	0785 h03 49.1 38.45	0794 i03 43.49 48.06	0803 j03 37.88 57.67	0974 k03 23.87 0.0	0983 l03 23.87 0.0	0992 m03 23.87 0.0	1001 n03 23.87 0.0
04	0003 A04 11.4 28.51	0012 B04 18.46 13.25	0021 C04 25.52 −2.02	0030 D04 32.58 −17.3	0039 E04 43.03 −27.64	0048 F04 53.48 −37.98	0057 G04 63.94 −48.32	0066 H04 74.39 −58.67	0075 I04 84.83 −69.0	0084 J04 14.77 30.79	0093 K04 19.53 19.01	0102 L04 26.59 3.73	0111 M04 33.65 −11.53	0120 N04 44.1 −21.88	0129 O04 54.55 −32.22	0138 P04 65.0 −42.56	0147 Q04 75.45 −52.9	0156 R04 85.9 −63.24	0165 S04 18.13 33.08	0174 T04 22.89 21.3	0183 U04 27.65 9.5	0192 V04 34.71 −5.76	0201 W04 45.17 −16.1	0210 X04 55.62 −26.45	0219 Y04 66.07 −36.79	0228 Z04 76.52 −47.13	0237 a04 86.96 −57.47	0732 b04 92.2 −17.3	0741 c04 81.35 −11.53	0750 d04 70.49 −5.76	0759 e04 59.64 0.0	0768 f04 54.02 9.61	0777 g04 48.4 19.22	0786 h04 42.79 28.84	0795 i04 37.18 38.45	0804 j04 31.57 48.06	0975 k04 35.79 0.0	0984 l04 35.79 0.0	0993 m04 35.79 0.0	1002 n04 35.79 0.0
05	0004 A05 15.2 38.02	0013 B05 22.26 22.75	0022 C05 29.32 7.48	0031 D05 36.38 −7.79	0040 E05 43.44 −23.07	0049 F05 53.89 −33.41	0058 G05 64.34 −43.75	0067 H05 74.79 −54.09	0076 I05 85.24 −64.43	0085 J05 18.56 40.3	0094 K05 23.32 28.52	0103 L05 30.38 13.24	0112 M05 37.44 −2.03	0121 N05 51.94 −17.3	0130 O05 62.39 −27.64	0139 P05 72.84 −37.99	0148 Q05 83.29 −48.33	0157 R05 93.74 −58.66	0166 S05 21.93 32.49	0175 T05 26.69 30.8	0184 U05 31.45 19.01	0193 V05 38.51 3.73	0202 W05 45.57 −11.53	0211 X05 56.02 −21.88	0220 Y05 66.48 −32.22	0229 Z05 76.93 −42.56	0238 a05 87.37 −52.89	0733 b05 91.13 −23.07	0742 c05 80.28 −17.3	0751 d05 69.42 −11.53	0760 e05 58.56 −5.76	0769 f05 47.72 0.0	0778 g05 42.11 9.61	0787 h05 36.48 19.22	0796 i05 30.86 28.84	0805 j05 25.25 38.44	0976 k05 47.72 0.0	0985 l05 47.72 0.0	0994 m05 47.72 0.0	1003 n05 47.72 0.0
06	0005 A06 19.0 47.52	0014 B06 26.05 32.26	0023 C06 33.12 16.98	0032 D06 40.18 1.71	0041 E06 47.24 −13.56	0050 F06 54.3 −28.83	0059 G06 64.75 −39.18	0068 H06 75.2 −49.52	0077 I06 85.64 −59.85	0086 J06 22.36 49.81	0095 K06 27.12 38.03	0104 L06 34.18 22.75	0113 M06 41.24 7.47	0122 N06 48.3 −7.79	0131 O06 55.36 −23.07	0140 P06 65.82 −33.41	0149 Q06 76.27 −43.76	0158 R06 86.71 −54.09	0167 S06 25.73 52.1	0176 T06 30.49 40.31	0185 U06 35.25 28.52	0194 V06 42.31 13.24	0203 W06 49.37 −2.03	0212 X06 56.43 −16.33	0221 Y06 66.88 −27.64	0230 Z06 77.33 −37.99	0239 a06 87.78 −48.32	0734 b06 90.07 −28.83	0743 c06 79.22 −23.07	0752 d06 68.36 −17.3	0761 e06 57.5 −11.53	0770 f06 46.64 −5.76	0779 g06 35.79 0.0	0788 h06 30.17 9.61	0797 i06 24.55 19.22	0806 j06 18.94 28.83	0977 k06 59.64 0.0	0986 l06 59.64 0.0	0995 m06 59.64 0.0	1004 n06 59.64 0.0
07	0006 A07 2.31 57.03	0015 B07 29.85 41.77	0024 C07 16.91 26.49	0033 D07 43.97 11.22	0042 E07 −21.04 −4.05	0051 F07 58.1 −19.33	0060 G07 65.15 −34.6	0069 H07 72.61 −44.95	0078 I07 80.05 −55.28	0087 J07 16.38 59.32	0096 K07 19.32 47.53	0105 L07 22.37 32.26	0114 M07 25.41 16.98	0123 N07 28.45 1.7	0132 O07 41.91 −13.56	0141 P07 55.37 −28.84	0150 Q07 68.83 −39.18	0159 R07 82.29 −49.52	0168 S07 28.52 61.6	0177 T07 33.05 49.82	0186 U07 37.58 38.03	0195 V07 42.11 22.75	0204 W07 46.64 7.47	0213 X07 51.17 −7.79	0222 Y07 65.63 −23.07	0231 Z07 77.74 −33.41	0240 a07 89.86 −43.75	0735 b07 78.15 −34.6	0744 c07 66.42 −28.84	0753 d07 54.69 −23.07	0762 e07 42.97 −17.3	0771 f07 31.25 −11.53	0780 g07 19.54 −5.76	0789 h07 17.81 0.0	0798 i07 18.27 9.61	0807 j07 18.24 19.21	0978 k07 71.57 0.0	0987 l07 71.57 0.0	0996 m07 71.57 0.0	1005 n07 71.57 0.0
08	0007 A08 26.59 68.54	0016 B08 33.65 51.28	0025 C08 40.71 36.0	0034 D08 47.77 20.72	0043 E08 54.83 5.45	0052 F08 61.88 −9.82	0061 G08 68.96 −25.1	0070 H08 76.02 −40.37	0079 I08 86.46 −50.71	0088 J08 29.96 61.82	0097 K08 34.71 57.04	0106 L08 41.78 41.76	0115 M08 48.84 26.49	0124 N08 55.9 11.21	0133 O08 62.96 −4.06	0142 P08 70.02 −19.33	0151 Q08 77.08 −34.61	0160 R08 87.53 −44.94	0169 S08 33.32 71.1	0178 T08 38.08 59.33	0187 U08 42.84 42.53	0196 V08 49.9 32.26	0205 W08 56.96 19.58	0214 X08 64.02 1.7	0223 Y08 71.09 −13.56	0232 Z08 78.15 −24.89	0241 a08 88.59 −35.22	0736 b08 87.93 −40.37	0745 c08 77.08 −34.61	0754 d08 66.22 −28.84	0763 e08 55.36 −23.07	0772 f08 44.51 −17.3	0781 g08 33.65 −11.53	0790 h08 22.79 −5.76	0799 i08 11.94 0.0	0808 j08 6.32 9.6	0979 k08 83.49 0.0	0988 l08 83.49 0.0	0997 m08 83.49 0.0	1006 n08 83.49 0.0
09	0008 A09 30.39 74.24	0017 B09 37.44 60.78	0026 C09 44.51 45.5	0035 D09 51.57 30.22	0044 E09 58.63 14.95	0053 F09 65.69 −0.32	0062 G09 72.75 −15.6	0071 H09 79.81 −30.87	0080 I09 86.87 −46.14	0089 J09 33.75 78.52	0098 K09 38.51 56.41	0107 L09 45.57 51.26	0116 M09 52.63 35.99	0125 N09 59.69 20.71	0134 O09 66.75 5.43	0143 P09 73.82 −9.83	0152 Q09 80.88 −25.11	0161 R09 87.93 −40.37	0170 S09 37.12 80.61	0179 T09 41.87 68.83	0188 U09 46.64 57.03	0197 V09 53.7 41.76	0206 W09 60.76 26.48	0215 X09 67.82 11.2	0224 Y09 74.88 −4.06	0233 Z09 81.94 −19.34	0242 a09 89.0 −34.6	0737 b09 86.87 −46.14	0746 c09 76.02 −40.37	0755 d09 65.16 −34.6	0764 e09 54.3 −28.83	0773 f09 43.44 −23.07	0782 g09 32.58 −17.3	0791 h09 21.72 −11.53	0800 i09 10.86 −5.76	0809 j09 0.03 0.0	0980 k09 95.41 0.0	0989 l09 95.41 0.0	0998 m09 95.41 0.0	1007 n09 95.41 0.0
10	0243 A10 18.94 28.83	0252 B10 24.21 16.64	0261 C10 29.48 4.44	0270 D10 34.75 −7.75	0279 E10 45.2 −18.09	0288 F10 55.65 −28.43	0297 G10 66.1 −38.78	0306 H10 76.55 −49.12	0315 I10 87.0 −59.45	0324 J10 25.25 38.44	0333 K10 30.52 26.25	0342 L10 35.79 14.05	0351 M10 41.06 1.86	0360 N10 46.33 −10.33	0369 O10 56.78 −20.68	0378 P10 67.23 −31.02	0387 Q10 77.68 −41.36	0396 R10 88.13 −51.69	0405 S10 31.57 48.06	0414 T10 36.83 35.87	0423 U10 42.1 23.67	0432 V10 47.37 11.47	0441 W10 52.64 −0.72	0450 X10 57.91 −12.92	0459 Y10 68.36 −23.26	0468 Z10 78.81 −33.6	0477 a10 89.26 −43.94	0810 b10 95.41 0.0	0819 c10 95.41 −2.58	0828 d10 94.71 −5.16	0837 e10 94.36 −7.75	0846 f10 94.02 −10.33	0855 g10 93.68 −12.92	0864 h10 93.33 −15.5	0873 i10 92.99 −18.09	0882 j10 92.65 −20.67	1008 k10 0.03 0.0	1024 l10 0.03 0.0	1040 m10 0.03 0.0	1056 n10 0.03 0.0
11	0244 A11 24.55 31.01	0253 B11 29.82 19.22	0262 C11 35.09 7.02	0271 D11 40.36 −5.17	0280 E11 45.62 −15.51	0289 F11 50.89 −25.85	0298 G11 56.15 −36.19	0307 H11 61.42 −46.54	0316 I11 66.68 −56.87	0325 J11 26.14 16.91	0334 K11 30.86 24.2	0343 L11 35.57 27.48	0352 M11 40.29 30.75	0361 N11 45.01 34.03	0370 O11 49.73 44.01	0379 P11 54.45 54.0	0388 Q11 59.17 63.99	0397 R11 63.89 73.97	0406 S11 29.01 50.23	0415 T11 32.76 38.45	0424 U11 36.52 26.25	0433 V11 40.28 14.05	0442 W11 44.04 1.85	0451 X11 47.79 −10.34	0460 Y11 51.55 −20.68	0469 Z11 59.06 −31.02	0478 a11 66.57 −41.35	0811 b11 87.27 9.49	0820 c11 83.49 0.0	0829 d11 79.71 −2.58	0838 e11 75.93 −5.17	0847 f11 72.15 −7.75	0856 g11 68.37 −10.34	0865 h11 64.58 −12.92	0874 i11 60.8 −15.51	0883 j11 57.02 −18.09	1009 k11 0.0 0.0	1025 l11 0.0 0.0	1041 m11 0.0 0.0	1057 n11 0.0 0.0
12	0245 A12 20.65 33.19	0254 B12 25.4 21.4	0263 C12 30.17 9.61	0272 D12 35.44 −2.58	0281 E12 45.89 −12.92	0290 F12 56.34 −23.27	0299 G12 66.79 −33.61	0308 H12 77.24 −43.95	0317 I12 87.68 −54.28	0326 J12 26.96 42.8	0335 K12 31.72 31.02	0344 L12 36.48 19.22	0353 M12 41.75 7.42	0362 N12 47.02 −4.25	0371 O12 57.47 −15.51	0380 P12 67.92 −25.85	0389 Q12 78.37 −36.19	0398 R12 88.81 −46.53	0407 S12 33.27 52.4	0416 T12 38.03 40.63	0425 U12 42.79 28.84	0434 V12 48.06 16.64	0443 W12 53.33 4.44	0452 X12 58.6 −7.75	0461 Y12 69.05 −18.09	0470 Z12 79.5 −28.43	0479 a12 89.94 −38.77	0812 b12 79.15 19.0	0821 c12 75.35 9.5	0830 d12 71.57 0.0	0839 e12 71.21 −2.58	0848 f12 70.87 −5.17	0857 g12 70.52 −7.75	0866 h12 70.18 −10.34	0875 i12 69.84 −12.92	0884 j12 69.49 −15.5	1010 k12 12.74 0.0	1026 l12 12.74 0.0	1042 m12 12.74 0.0	1058 n12 12.74 0.0
13	0246 A13 21.5 35.37	0255 B13 26.26 23.58	0264 C13 31.02 11.79	0273 D13 35.79 0.0	0282 E13 46.23 −10.34	0291 F13 56.68 −20.68	0300 G13 67.13 −31.02	0309 H13 77.59 −41.37	0318 I13 88.03 −51.7	0327 J13 27.81 44.98	0336 K13 32.57 32.2	0345 L13 37.33 21.4	0354 M13 42.09 9.61	0363 N13 47.36 −2.58	0372 O13 57.81 −12.92	0381 P13 68.26 −23.27	0390 Q13 78.72 −33.61	0399 R13 89.16 −43.94	0408 S13 34.12 54.59	0417 T13 38.88 42.81	0426 U13 43.64 31.02	0435 V13 48.4 19.22	0444 W13 53.67 7.02	0453 X13 58.94 −5.17	0462 Y13 69.39 −15.51	0471 Z13 79.85 −25.85	0480 a13 90.29 −36.18	0813 b13 71.02 28.51	0822 c13 67.23 19.01	0831 d13 63.43 9.5	0840 e13 59.64 0.0	0849 f13 59.29 −2.58	0858 g13 58.94 −5.17	0867 h13 58.6 −7.75	0876 i13 58.26 −10.34	0885 j13 57.91 −12.92	1011 k13 19.1 0.0	1027 l13 19.1 0.0	1043 m13 19.1 0.0	1059 n13 19.1 0.0
14	0247 A14 25.29 44.87	0256 B14 30.05 33.09	0265 C14 34.82 21.3	0274 D14 39.58 9.5	0283 E14 46.64 −5.76	0292 F14 57.09 −16.11	0301 G14 67.54 −26.45	0310 H14 77.99 −36.79	0319 I14 88.44 −47.13	0328 J14 28.66 47.16	0337 K14 33.42 35.38	0346 L14 38.18 23.58	0355 M14 42.94 11.79	0364 N14 47.72 0.0	0373 O14 58.16 −10.34	0382 P14 68.61 −20.68	0391 Q14 79.06 −31.02	0400 R14 89.5 −41.36	0409 S14 34.97 56.77	0418 T14 39.73 44.99	0427 U14 44.49 33.2	0436 V14 49.25 21.4	0445 W14 54.02 9.61	0454 X14 59.29 −2.58	0463 Y14 69.74 −9.5	0472 Z14 80.19 −23.27	0481 a14 90.63 −33.6	0814 b14 62.89 38.02	0823 c14 59.1 28.52	0832 d14 55.3 19.01	0841 e14 51.5 9.5	0850 f14 47.72 0.0	0859 g14 47.36 −2.58	0868 h14 47.02 −5.17	0877 i14 46.67 −7.75	0886 j14 46.33 −10.33	1012 k14 25.46 0.0	1028 l14 25.46 0.0	1044 m14 25.46 0.0	1060 n14 25.46 0.0
15	0248 A15 29.73 54.38	0257 B15 33.85 42.6	0266 C15 38.61 30.8	0275 D15 43.38 19.01	0284 E15 50.44 3.73	0293 F15 57.5 −11.53	0302 G15 64.55 −21.88	0311 H15 71.61 −32.22	0320 I15 78.66 −42.55	0329 J15 36.25 56.67	0338 K15 41.01 44.88	0347 L15 45.78 33.09	0356 M15 50.54 21.3	0365 N15 55.3 9.5	0374 O15 63.26 −5.76	0383 P15 69.02 −16.11	0392 Q15 74.77 −26.45	0401 R15 80.51 −36.78	0410 S15 35.82 58.95	0419 T15 40.58 47.17	0428 U15 45.34 35.38	0437 V15 50.11 23.58	0446 W15 54.87 11.79	0455 X15 59.64 0.0	0464 Y15 68.36 −10.34	0473 Z15 77.08 −20.68	0482 a15 85.81 −31.01	0815 b15 84.56 47.52	0824 c15 80.77 38.03	0833 d15 76.97 28.52	0842 e15 73.18 19.01	0851 f15 69.38 9.5	0860 g15 69.03 0.0	0869 h15 68.69 −2.58	0878 i15 68.35 −5.17	0887 j15 68.0 −7.75	1029 l15 31.82 0.0	1045 m15 31.82 0.0	1061 n15 31.82 0.0
16	0249 A16 28.89 63.89	0258 B16 37.65 52.11	0267 C16 42.41 40.32	0276 D16 47.17 28.52	0285 E16 52.23 13.24	0294 F16 61.3 −2.03	0303 G16 68.36 −17.3	0312 H16 78.81 −27.64	0321 I16 89.25 −37.98	0330 J16 36.25 66.18	0339 K16 41.01 54.39	0348 L16 45.78 42.6	0357 M16 50.54 30.8	0366 N16 55.3 19.01	0375 O16 62.36 3.73	0384 P16 69.42 −14.64	0393 Q16 76.48 −3.38	0402 R16 83.54 6.6	0411 S16 36.68 −49.44	0420 T16 40.46 −42.15	0429 U16 44.23 −34.85	0438 V16 48.01 −27.55	0447 W16 51.78 −20.25	0456 X16 55.56 −12.95	0465 Y16 63.43 −1.69	0474 Z16 70.49 5.76	0483 a16 80.94 −16.11	0816 b16 58.67 29.5	0825 c16 63.43 24.2	0834 d16 69.05 18.9	0843 e16 74.67 13.6	0852 f16 80.29 8.29	0861 g16 81.45 18.27	0870 h16 82.62 28.24	0879 i16 83.78 38.22	0888 j16 84.95 48.19	1014 k16 38.18 0.0	1030 l16 38.18 0.0	1046 m16 38.18 0.0	1062 n16 38.18 0.0
17	0250 A17 36.69 74.3	0259 B17 41.45 −59.1	0268 C17 46.21 49.82	0277 D17 50.97 38.03	0286 E17 58.03 22.75	0295 F17 65.09 7.47	0304 G17 72.15 −7.9	0313 H17 79.22 −23.27	0322 I17 86.28 −38.6	0331 J17 40.05 75.68	0340 K17 44.81 63.9	0349 L17 49.57 52.1	0358 M17 54.34 41.1	0367 N17 59.1 28.52	0376 O17 66.16 13.24	0385 P17 73.22 −2.02	0394 Q17 80.28 −17.3	0403 R17 87.34 −32.7	0412 S17 43.42 72.97	0421 T17 48.18 60.29	0430 U17 52.94 42.6	0439 V17 57.7 30.8	0448 W17 62.46 19.01	0457 X17 67.23 7.23	0466 Y17 74.29 −6.24	0475 Z17 81.35 −19.57	0484 a17 91.79 −30.9	0817 b17 38.51 66.54	0826 c17 34.71 57.04	0835 d17 30.92 43.3	0844 e17 27.12 38.03	0853 f17 23.32 32.75	0862 g17 19.53 28.2	0871 h17 15.73 23.7	0880 i17 11.94 19.2	0889 j17 11.59 14.65	1015 k17 44.54 0.0	1031 l17 44.54 0.0	1047 m17 44.54 0.0	1063 n17 44.54 0.0
18	0251 A18 40.48 82.9	0260 B18 45.24 71.11	0269 C18 50.0 59.32	0278 D18 54.76 47.52	0287 E18 61.83 32.25	0296 F18 68.89 16.97	0305 G18 75.95 1.7	0314 H18 83.01 −13.57	0323 I18 90.07 −28.83	0332 J18 43.85 85.18	0341 K18 48.6 73.4	0350 L18 53.37 61.6	0359 M18 58.13 49.81	0368 N18 62.89 38.02	0377 O18 69.95 22.74	0386 P18 77.01 7.46	0395 Q18 84.07 −7.8	0404 R18 91.12 −23.07	0413 S18 47.31 87.47	0422 T18 51.87 75.68	0431 U18 56.43 63.89	0440 V18 61.0 52.1	0449 W18 65.56 40.3	0458 X18 70.12 28.51	0467 Y18 74.68 17.1	0476 Z18 79.24 −5.7	0485 a18 85.14 −20.3	0818 b18 92.2 −103.57	0827 c18 39.26 96.23	0836 d18 35.47 76.04	0845 e18 31.68 56.64	0854 f18 27.88 −64.5	0863 g18 24.09 −51.78	0872 h18 20.29 −38.83	0881 i18 16.49 −25.88	0890 j18 12.69 −12.93	1016 k18 50.9 0.0	1032 l18 50.9 0.0	1048 m18 50.9 0.0	1064 n18 50.9 0.0
19	0718 A19 37.88 57.67	0495 B19 43.14 45.48	0504 C19 48.41 33.28	0513 D19 53.68 21.08	0522 E19 58.95 8.88	0531 F19 64.22 −3.3	0540 G19 69.49 −15.5	0549 H19 79.94 −25.88	0558 I19 90.39 −36.18	0567 J19 44.19 67.28	0576 K19 49.45 55.09	0585 L19 54.72 42.9	0594 M19 59.99 30.7	0603 N19 65.26 18.5	0612 O19 70.53 6.3	0621 P19 75.8 −5.89	0630 Q19 81.07 −18.09	0639 R19 91.52 −28.42	0648 S19 50.49 76.89	0657 T19 55.76 64.7	0666 U19 61.03 52.5	0675 V19 66.3 40.3	0684 W19 71.57 28.1	0693 X19 76.84 15.91	0702 Y19 82.11 3.71	0711 Z19 87.38 −8.48	0720 a19 92.65 −20.67	0819 b19 95.41 0.0	0900 c19 93.92 −10.33	0909 d19 92.42 −20.67	0918 e19 90.98 −31.01	0927 f19 89.5 −41.36	0936 g19 88

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01	000 a01 0.0 0.00	009 b01 10.46 −10.33 9.97	018 c01 20.91 −20.67 19.96	027 d01 31.36 −31.01 29.95	036 e01 41.81 −41.36 39.94	045 f01 52.26 −51.72 39.92	054 g01 62.71 −62.04 39.91	063 h01 73.16 −72.38 69.9	072 i01 83.61 −72.38 79.81	081 j01 6.32 9.6 8.06	090 k01 11.59 −2.58 11.33	099 l01 22.04 −12.92 11.32	108 m01 32.49 −23.26 31.3	117 n01 42.94 −33.61 41.29	126 o01 53.39 −43.95 51.28	135 p01 63.84 −54.29 61.27	144 q01 74.29 −64.63 71.25	153 r01 84.74 −74.97 81.23	162 s01 12.63 19.21 16.13	171 t01 17.9 7.03 19.4	180 u01 23.17 −5.16 22.67	189 v01 33.62 −15.51 32.66	198 w01 44.07 −25.85 42.65	207 x01 54.52 −36.19 52.64	216 y01 64.97 −46.53 62.62	225 z01 75.42 −56.88 72.61	234 a01 85.87 −67.21 82.59	243 b01 95.41 0.0 −0.01	252 c01 89.79 0.0 8.06	261 d01 84.17 19.21 16.15	270 e01 78.56 28.83 24.19	279 f01 72.94 38.44 32.26	288 g01 67.33 48.06 40.33	297 h01 61.72 57.67 48.4	306 i01 56.1 67.28 56.47	315 j01 50.49 76.89 64.53	324 k01 0.03 0.0 −0.01	333 l01 0.03 0.0 −0.01	342 m01 0.03 0.0 −0.01	351 n01 0.03 0.0 −0.01
02	001 a02 3.81 9.49 −12.93	010 b02 10.86 −5.76 −1.69	019 c02 21.32 −16.1 8.29	028 d02 31.77 −26.44 18.28	037 e02 42.22 −36.79 28.27	046 f02 52.67 −47.13 38.25	055 g02 63.12 −57.47 48.24	064 h02 73.57 −67.81 58.23	073 i02 84.01 −78.15 68.21	082 j02 7.01 11.78 −7.29	091 k02 11.94 0.0 −0.01	100 l02 22.38 −10.34 9.98	109 m02 32.83 −20.68 19.97	118 n02 43.28 −31.02 29.96	127 o02 53.74 −41.37 39.95	136 p02 64.19 −51.71 49.93	145 q02 74.64 −62.05 59.92	154 r02 85.08 −72.38 69.9	163 s02 13.48 21.39 0.77	172 t02 18.24 9.61 8.06	181 u02 23.51 −2.58 11.34	190 v02 33.96 −12.92 21.33	199 w02 44.41 −23.27 31.31	208 x02 54.87 −33.61 41.3	217 y02 65.32 −43.95 51.29	226 z02 75.77 −54.29 61.28	235 a02 86.21 −64.63 71.26	730 b02 94.33 −5.76 −1.69	739 c02 83.49 0.0 −0.01	748 d02 77.87 9.61 8.06	757 e02 72.25 19.22 16.13	766 f02 66.64 28.84 24.2	775 g02 61.03 38.45 32.27	784 h02 55.41 48.06 40.34	793 i02 49.8 57.68 48.41	802 j02 44.19 67.28 56.47	973 k02 11.94 0.0 −0.01	982 l02 11.94 0.0 −0.01	991 m02 11.94 0.0 −0.01	1000 n02 11.94 0.0 −0.01
03	002 a03 7.61 19.0 −25.88	011 b03 14.66 3.74 −14.64	020 c03 21.72 −11.53 −3.38	029 d03 32.17 −21.87 6.6	038 e03 42.63 −32.21 16.59	047 f03 53.08 −42.56 26.57	056 g03 63.53 −52.9 36.56	065 h03 73.98 −63.24 46.55	074 i03 84.42 −73.57 56.53	083 j03 10.97 21.29 −20.24	092 k03 17.73 9.5 −12.95	101 l03 22.79 −5.76 −1.69	110 m03 33.24 −16.11 8.29	119 n03 43.69 −26.45 18.28	128 o03 54.14 −36.79 28.27	137 p03 64.59 −47.13 38.25	146 q03 75.05 −57.48 48.24	155 r03 85.49 −67.81 58.22	164 s03 14.33 23.57 −14.59	173 t03 19.09 11.79 −7.3	182 u03 23.87 0.0 −0.01	191 v03 34.31 −10.34 9.98	200 w03 44.76 −20.68 19.97	209 x03 55.21 −31.02 29.96	218 y03 65.66 −41.37 39.95	227 z03 76.11 −51.71 49.93	236 a03 86.55 −62.04 59.91	731 b03 93.26 −11.53 −3.38	740 c03 82.41 5.76 −1.69	749 d03 71.57 0.0 −0.01	758 e03 65.94 9.61 8.06	767 f03 60.33 19.22 16.13	776 g03 54.71 28.84 24.2	785 h03 49.1 38.45 32.27	794 i03 43.49 48.06 40.34	803 j03 37.88 57.67 48.4	974 k03 23.87 0.0 −0.01	983 l03 23.87 0.0 −0.01	992 m03 23.87 0.0 −0.01	1001 n03 23.87 0.0 −0.01
04	003 a04 11.4 28.51 −38.83	012 b04 18.46 13.25 −27.59	021 c04 25.52 −2.02 −16.33	030 d04 32.58 −17.3 −5.07	039 e04 43.03 −27.64 4.91	048 f04 53.48 −37.98 14.89	057 g04 63.94 −48.32 24.88	066 h04 74.39 −58.67 34.87	075 i04 84.83 −69.0 44.85	084 j04 14.77 30.79 −33.19	093 k04 19.53 19.01 −25.9	102 l04 26.59 3.73 −14.64	111 m04 33.65 −11.53 −3.38	120 n04 44.1 −21.88 6.6	129 o04 54.55 −32.22 16.59	138 p04 65.0 −42.56 26.57	147 q04 75.45 −52.9 36.56	156 r04 85.9 −63.24 46.54	165 s04 18.13 33.08 −27.54	174 t04 22.89 21.3 −20.25	183 u04 27.65 9.5 −12.95	192 v04 34.71 −5.76 −1.69	201 w04 45.17 −16.1 8.29	210 x04 55.62 −26.45 18.28	219 y04 66.07 −36.79 28.27	228 z04 76.52 −47.13 38.25	237 a04 86.96 −57.47 48.23	732 b04 92.2 −17.3 −5.07	741 c04 81.35 −1.53 −3.38	750 d04 70.49 5.76 −1.69	759 e04 59.64 0.0 −0.01	768 f04 54.02 9.61 8.06	777 g04 48.4 19.22 16.13	786 h04 42.79 28.84 24.2	795 i04 37.18 38.45 32.27	804 j04 31.57 48.06 40.33	975 k04 35.79 0.0 −0.01	984 l04 35.79 0.0 −0.01	993 m04 35.79 0.0 −0.01	1002 n04 35.79 0.0 −0.01
05	004 a05 15.2 38.02 −51.78	013 b05 22.26 22.75 −40.54	022 c05 29.32 7.48 −29.28	031 d05 36.38 −7.79 −18.02	040 e05 43.44 −23.07 −6.76	049 f05 53.89 −33.41 3.21	058 g05 64.34 −43.75 13.2	067 h05 74.79 −54.09 23.19	076 i05 85.24 −64.43 33.17	085 j05 18.56 28.52 −46.14	094 k05 23.32 13.24 −38.84	103 l05 30.38 −2.03 −27.59	112 m05 37.44 −17.3 −16.33	121 n05 51.44 −27.64 −5.07	130 o05 54.96 −37.99 4.91	139 p05 65.41 −48.33 14.89	148 q05 75.86 −58.67 24.88	157 r05 86.3 −68.96 34.85	166 s05 21.93 32.49 −40.49	175 t05 26.69 30.8 −32.2	184 u05 31.45 19.01 −25.9	193 v05 38.51 3.73 −14.64	202 w05 45.57 −11.53 −3.38	211 x05 56.02 −21.88 6.6	220 y05 66.48 −32.22 16.59	229 z05 76.93 −42.56 26.57	238 a05 87.37 −52.89 36.55	733 b05 91.13 −23.07 −6.76	742 c05 80.28 −17.3 −3.38	751 d05 69.42 −11.53 −1.69	760 e05 58.56 −5.76 0.0	769 f05 47.72 0.0 −0.01	778 g05 42.12 9.61 8.06	787 h05 36.48 19.22 16.13	796 i05 30.86 28.84 24.2	805 j05 25.25 38.45 32.27	976 k05 47.72 0.0 −0.01	985 l05 47.72 0.0 −0.01	994 m05 47.72 0.0 −0.01	1003 n05 47.72 0.0 −0.01
06	005 a06 19.0 47.52 −64.73	014 b06 26.05 32.26 −53.49	023 c06 33.12 16.98 −42.23	032 d06 40.18 1.71 −30.97	041 e06 47.24 −13.56 −19.71	050 f06 54.3 −28.83 −8.46	059 g06 64.75 −39.18 1.52	068 h06 75.2 −49.52 11.51	077 i06 85.64 −59.85 21.49	086 j06 22.36 49.81 −59.09	095 k06 27.12 38.03 −51.8	104 l06 34.18 22.75 −40.54	113 m06 41.24 7.47 −29.28	122 n06 48.3 −7.79 −18.02	131 o06 55.36 −23.07 −6.77	140 p06 65.82 −33.41 3.21	149 q06 76.27 −43.76 13.2	158 r06 86.71 −54.09 23.18	167 s06 25.73 52.1 −53.44	176 t06 30.49 40.31 −46.15	185 u06 35.25 28.52 −38.84	194 v06 42.31 13.24 −27.59	203 w06 49.37 −2.03 −16.33	212 x06 56.43 −17.3 −5.07	221 y06 66.88 −27.64 4.91	230 z06 77.33 −37.99 14.89	239 a06 87.78 −48.32 24.87	734 b06 90.07 −28.83 −8.46	743 c06 79.22 −23.07 −6.77	752 d06 68.36 −17.3 −5.07	761 e06 57.5 −11.53 −3.38	770 f06 46.64 −5.76 −1.69	779 g06 35.79 0.0 −0.01	788 h06 30.17 9.61 8.06	797 i06 24.55 19.22 16.13	806 j06 18.94 28.83 24.19	977 k06 59.64 0.0 −0.01	986 l06 59.64 0.0 −0.01	995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
07	006 a07 29.85 57.03 −77.68	015 b07 36.91 41.77 −66.44	024 c07 43.97 26.49 −55.18	033 d07 51.04 11.22 −43.92	042 e07 58.1 −4.05 −32.66	051 f07 65.16 −19.33 −21.41	060 g07 75.61 −34.6 −10.15	069 h07 86.07 −44.95 −0.16	078 i07 96.52 −55.28 9.81	087 j07 16.38 59.32 −72.04	096 k07 19.37 47.53 −64.75	105 l07 25.98 32.26 −53.49	114 m07 32.59 16.98 −42.23	123 n07 39.21 1.7 −30.97	132 o07 45.82 −13.56 −19.71	141 p07 56.28 −28.84 −8.46	150 q07 66.73 −39.18 1.52	159 r07 77.18 −49.52 11.5	168 s07 17.34 61.6 −66.39	177 t07 21.98 49.82 −59.1	186 u07 26.62 38.03 −51.8	195 v07 31.28 22.75 −40.54	204 w07 38.31 7.47 −29.28	213 x07 45.37 −7.79 −18.02	222 y07 55.82 −23.07 −6.77	231 z07 66.27 −33.41 3.21	240 a07 76.71 −43.75 13.19	735 b07 88.0 −34.6 −10.15	744 c07 78.15 −28.84 −8.46	753 d07 67.29 −23.07 −6.77	762 e07 56.42 −17.3 −5.07	771 f07 45.57 −11.53 −3.38	780 g07 34.71 −5.76 −1.69	789 h07 28.07 0.0 −0.01	798 i07 21.43 19.22 16.13	807 j07 18.24 28.83 24.19	978 k07 71.57 0.0 −0.01	987 l07 71.57 0.0 −0.01	996 m07 71.57 0.0 −0.01	1005 n07 71.57 0.0 −0.01
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12	245 A12 20.65 33.19 −6.52	254 B12 25.4 21.4 0.76	263 C12 30.17 9.61 8.06	272 D12 35.44 −2.58 11.34	281 E12 45.89 −12.92 21.33	290 F12 56.34 −23.27 31.31	299 G12 66.79 −33.61 41.3	308 H12 77.24 −43.95 51.29	117 I12 87.68 −54.28 61.27	326 J12 26.96 42.8 16.13	335 K12 31.72 36.48 19.41	344 L12 36.48 19.02 22.68	353 M12 41.75 7.02 32.67	362 N12 47.02 −5.15 42.66	371 O12 57.47 −15.51 52.65	380 P12 67.92 −25.85 62.65	389 Q12 78.37 −36.19 72.64	398 R12 88.81 −46.53 82.63	407 S12 34.12 38.03 40.63	416 T12 38.88 43.64 28.84	425 U12 43.64 48.4 42.4	434 V12 48.4 53.67 27.48	443 W12 53.17 58.94 30.75	452 X12 57.93 64.2 34.03	461 Y12 68.38 69.39 44.01	470 Z12 78.83 79.5 54.0	479 a12 89.28 89.9 63.98	812 b12 79.15 19.0 −25.88	821 c12 75.35 9.5 −12.95	830 d12 71.57 0.0 −0.01	839 e12 71.21 0.0 11.34	848 f12 70.87 0.0 22.68	857 g12 70.52 0.0 34.03	866 h12 70.18 0.0 45.37	875 i12 69.84 0.0 56.71	884 j12 69.49 0.0 68.05	1010 k12 12.74 0.0 −0.01	1026 l12 12.74 0.0 −0.01	1042 m12 12.74 0.0 −0.01	1058 n12 12.74 0.0 −0.01
13	246 A13 21.5 35.37 −21.89	255 B13 26.26 23.58 −14.6	264 C13 31.02 11.79 −7.3	273 D13 35.79 0.0 −0.01	282 E13 46.23 −10.34 9.98	291 F13 56.68 −20.68 19.97	300 G13 67.13 −31.02 29.96	309 H13 77.59 −41.37 39.95	318 I13 88.03 −51.71 49.92	327 J13 27.81 44.98 12.1	336 K13 32.57 32.2 −6.53	345 L13 37.33 21.4 8.06	354 M13 42.09 9.61 11.34	363 N13 47.36 −2.58 21.33	372 O13 57.81 −12.92 31.3	381 P13 68.26 −23.27 41.3	390 Q13 78.72 −33.61 41.3	399 R13 89.16 −43.94 51.28	408 S13 34.12 54.59 −5.75	417 T13 38.88 42.81 18.1	426 U13 43.64 31.02 8.83	435 V13 48.4 19.22 16.13	444 W13 53.17 7.02 29.41	453 X13 57.93 −5.17 22.68	462 Y13 68.38 −15.51 32.67	471 Z13 78.83 −25.85 42.66	480 a13 89.28 −36.18 52.64	813 b13 79.85 −38.83 −38.83	822 c13 90.29 −25.21 −25.21	831 d13 63.43 9.5 −12.95	840 e13 59.64 0.0 0.0	849 f13 59.29 −2.58 11.34	858 g13 58.94 −5.17 22.68	867 h13 58.6 −7.75 34.03	876 i13 58.26 −10.34 45.37	885 j13 57.91 −12.92 56.7	1011 k13 19.1 0.0 −0.01	1027 l13 19.1 0.0 −0.01	1043 m13 19.1 0.0 −0.01	1059 n13 19.1 0.0 −0.01
14	247 A14 25.29 44.87 −34.84	256 B14 30.05 33.09 −27.55	265 C14 34.82 21.3 −20.25	274 D14 39.58 9.5 −12.95	283 E14 46.64 −5.76 −1.69	292 F14 57.09 −16.11 8.29	301 G14 67.54 −26.45 18.28	310 H14 77.99 −36.79 28.27	319 I14 88.44 −47.13 38.24	328 J14 28.66 36.25 −29.19	337 K14 33.42 41.81 −21.9	346 L14 38.18 23.58 −14.6	355 M14 42.94 11.79 −7.3	364 N14 47.72 0.0 −0.01	373 O14 58.16 −10.34 9.98	382 P14 68.61 −20.68 19.97	391 Q14 79.06 −31.02 29.96	400 R14 89.5 −41.36 39.94	409 S14 34.97 56.77 −21.12	418 T14 39.73 44.99 −13.83	427 U14 44.49 33.2 −6.53	436 V14 49.25 21.4 0.76	445 W14 54.02 9.61 8.06	454 X14 58.78 −2.58 11.34	463 Y14 69.24 −12.92 21.33	472 Z14 79.69 −23.27 31.31	481 a14 90.15 −33.6 41.29	814 b14 62.89 38.02 −51.78	823 c14 59.1 28.52 −38.84	832 d14 55.3 19.01 −25.9	841 e14 51.5 9.5 −12.95	850 f14 47.72 0.0 −0.01	859 g14 47.36 −2.58 11.34	868 h14 47.02 −5.17 22.68	877 i14 46.67 −7.75 34.03	886 j14 46.33 −10.33 45.36	1012 k14 25.46 0.0 −0.01	1028 l14 25.46 0.0 −0.01	1044 m14 25.46 0.0 −0.01	1060 n14 25.46 0.0 −0.01
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06	0005 A06 19.0 47.52 −64.73	0014 B06 26.05 32.26 −53.49	0023 C06 33.12 16.98 −42.23	0032 D06 40.18 1.71 −30.97	0041 E06 47.24 −13.56 −19.71	0050 F06 54.3 −28.83 −8.46	0059 G06 64.75 −39.18 1.52	0068 H06 75.2 −49.52 11.51	0077 I06 85.64 −59.85 21.49	0086 J06 22.36 49.81 −59.09	0095 K06 27.12 38.03 −51.8	0104 L06 34.18 22.75 −40.54	0113 M06 41.24 7.47 −29.28	0122 N06 48.3 −7.79 −18.02	0131 O06 55.36 −23.07 −6.77	0140 P06 65.82 −33.41 3.21	0149 Q06 76.27 −43.76 13.2	0158 R06 86.71 −54.09 23.18	0167 S06 25.73 52.1 −53.44	0176 T06 30.49 40.31 −46.15	0185 U06 35.25 28.52 −38.84	0194 V06 42.31 13.24 −27.59	0203 W06 49.37 −2.03 −16.33	0212 X06 56.43 −17.3 −5.07	0221 Y06 66.88 −27.64 4.91	0230 Z06 77.33 −37.99 14.89	0239 a06 87.78 −48.32 24.87	0734 b06 90.07 −28.83 −8.46	0743 c06 79.22 −23.07 −6.77	0752 d06 68.36 −17.3 −5.07	0761 e06 57.5 −11.53 −3.38	0770 f06 46.64 −5.76 −1.69	0779 g06 35.79 0.0 −0.01	0788 h06 30.17 9.61 8.06	0797 i06 24.55 19.22 16.13	0806 j06 18.94 28.83 24.19	0977 k06 59.64 0.0 −0.01	0986 l06 59.64 0.0 −0.01	0995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
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08	0007 A08 26.59 68.54 −90.63	0016 B08 33.65 51.28 −79.39	0025 C08 40.71 36.0 −68.13	0034 D08 47.77 20.72 −56.87	0043 E08 54.83 5.45 −45.61	0052 F08 61.88 −9.82 −34.36	0061 G08 68.96 −25.1 −23.1	0070 H08 76.02 −40.37 −11.84	0079 I08 86.46 −50.71 1.86	0088 J08 29.96 61.82 −84.99	0097 K08 34.71 57.04 −77.69	0106 L08 41.78 41.76 −66.44	0115 M08 48.84 26.49 −55.18	0124 N08 55.9 11.21 −43.92	0133 O08 62.96 −4.06 −32.66	0142 P08 70.02 −19.33 −21.41	0151 Q08 77.08 −34.61 −10.15	0160 R08 87.53 −44.94 −0.17	0169 S08 33.32 71.1 −79.34	0178 T08 38.08 59.3 −72.05	0187 U08 42.84 48.24 −64.75	0196 V08 49.9 32.26 −53.49	0205 W08 56.96 19.58 −42.23	0214 X08 64.02 1.7 −30.97	0223 Y08 71.09 −17.6 −19.71	0232 Z08 78.15 −28.84 −8.46	0241 a08 88.15 −39.17 1.51	0736 b08 87.93 −40.37 −11.84	0745 c08 77.08 −34.61 −10.15	0754 d08 66.22 −28.84 −8.46	0763 e08 55.36 −23.07 −6.77	0772 f08 44.51 −17.3 −5.07	0781 g08 33.65 −11.53 −3.38	0790 h08 22.79 −5.76 −1.69	0799 i08 11.94 0.0 −0.01	0808 j08 6.32 9.6 8.06	0979 k08 83.49 0.0 −0.01	0988 l08 83.49 0.0 −0.01	0997 m08 83.49 0.0 −0.01	1006 n08 83.49 0.0 −0.01
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	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	l	m	n
01	0000 A01 0.00 0.0 −0.01	0009 B01 6.06 −9.14 5.27	0018 C01 12.12 −18.29 10.54	0027 D01 18.17 −27.43 15.82	0036 E01 24.23 −36.58 21.1	0045 F01 30.28 −45.73 26.37	0054 G01 36.34 −54.88 31.65	0063 H01 42.39 −64.03 36.92	0072 I01 48.44 −73.17 42.2	0081 J01 5.65 8.91 9.43	0090 K01 11.28 −1.32 12.42	0099 L01 17.34 −10.47 17.7	0108 M01 23.39 −19.62 22.98	0117 N01 29.45 −28.77 28.25	0126 O01 35.5 −37.91 33.53	0135 P01 41.56 −46.26 38.81	0144 Q01 47.61 −54.61 44.08	0153 R01 53.66 −65.35 49.35	0162 S01 11.29 17.83 18.87	0171 T01 16.92 7.59 11.87	0180 U01 22.56 −2.64 24.86	0189 V01 28.61 −11.79 30.14	0198 W01 34.67 −20.94 35.42	0207 X01 40.72 −30.09 40.69	0216 Y01 46.78 −39.24 45.97	0225 Z01 52.83 −48.39 51.24	0234 a01 58.88 −57.53 56.52	0729 b01 95.4 0.0 −0.01	0738 c01 89.12 8.91 9.43	0747 d01 82.83 17.83 18.87	0756 e01 76.55 26.75 28.31	0765 f01 70.27 35.67 37.76	0774 g01 63.98 44.59 47.2	0783 h01 57.7 53.52 56.64	0792 i01 51.41 62.44 66.08	0801 j01 45.14 71.35 75.52	0002 k01 0.02 0.0 −0.01	0981 l01 0.02 0.0 −0.01	0990 m01 0.02 0.0 −0.01	0999 n01 0.02 0.0 −0.01
02	0001 A02 2.07 5.72 −7.02	0010 B02 7.12 −4.13 −5.92	0019 C02 13.17 −13.28 −0.64	0028 D02 19.23 −22.43 4.63	0037 E02 25.28 −31.58 9.9	0046 F02 31.34 −40.73 15.18	0055 G02 37.39 −49.87 20.45	0064 H02 43.45 −59.02 25.73	0073 I02 49.5 −68.16 31.0	0082 J02 5.68 10.22 −1.16	0091 K02 11.94 0.0 −0.01	0100 L02 17.99 −9.14 5.27	0109 M02 24.04 −18.29 10.55	0118 N02 30.1 −27.44 15.82	0127 O02 36.15 −36.59 21.1	0136 P02 42.21 −45.74 26.38	0145 Q02 48.26 −54.89 31.65	0154 R02 54.31 −64.03 36.92	0163 S02 11.32 19.14 8.28	0172 T02 17.37 8.92 9.44	0181 U02 23.21 −1.32 12.43	0190 V02 29.26 −10.47 17.71	0199 W02 35.32 −19.62 22.99	0208 X02 41.37 −28.77 28.26	0217 Y02 47.43 −37.92 33.54	0226 Z02 53.48 −47.06 38.82	0235 a02 59.53 −56.21 44.09	0730 b02 90.58 −4.13 −5.92	0739 c02 83.49 0.0 −0.01	0748 d02 77.2 8.92 9.44	0757 e02 70.91 17.84 18.88	0766 f02 64.63 26.76 28.32	0775 g02 58.35 35.68 37.77	0784 h02 52.06 44.6 47.21	0793 i02 45.78 53.52 56.65	0802 j02 39.5 62.44 66.08	0973 k02 11.94 0.0 −0.01	0982 l02 11.94 0.0 −0.01	0991 m02 11.94 0.0 −0.01	1000 n02 11.94 0.0 −0.01
03	0002 A03 4.13 11.45 −14.04	0011 B03 9.18 1.59 −12.94	0020 C03 14.23 −8.27 −11.84	0029 D03 20.28 −17.42 −6.57	0038 E03 26.34 −26.57 −1.29	0047 F03 32.39 −35.72 3.98	0056 G03 38.45 −44.86 9.25	0065 H03 44.5 −54.01 14.53	0074 I03 50.55 −63.15 19.8	0083 J03 7.74 13.99 −8.18	0092 K03 13.99 4.13 −7.02	0101 L03 19.04 −5.92 −0.65	0110 M03 25.09 −13.28 4.62	0119 N03 31.15 −22.43 9.9	0128 O03 37.2 −31.58 15.17	0137 P03 43.26 −40.73 20.45	0146 Q03 49.31 −49.88 25.72	0155 R03 55.36 −59.02 25.72	0164 S03 11.35 −2.32 −1.16	0173 T03 17.6 23.86 10.23	0182 U03 23.86 −0.01 5.27	0191 V03 29.91 −9.14 10.55	0200 W03 35.96 −18.29 15.82	0209 X03 42.02 −27.44 21.1	0218 Y03 48.08 −36.59 26.38	0227 Z03 54.13 −45.74 31.65	0236 a03 60.18 −54.88 36.92	0731 b03 85.77 −8.27 −11.84	0740 c03 78.66 −4.13 −5.92	0749 d03 71.56 0.0 −0.01	0758 e03 65.27 8.92 9.44	0767 f03 58.99 17.84 18.88	0776 g03 52.7 26.76 28.32	0785 h03 46.42 35.68 37.77	0794 i03 40.14 44.6 47.21	0803 j03 33.86 53.52 56.64	0974 k03 23.86 0.0 −0.01	0983 l03 23.86 0.0 −0.01	0992 m03 23.86 0.0 −0.01	1001 n03 23.86 0.0 −0.01
04	0003 A04 6.19 17.18 −21.07	0012 B04 11.24 7.32 −19.97	0021 C04 16.29 −2.54 −18.87	0030 D04 21.34 −12.41 −17.77	0039 E04 27.39 −21.56 −12.49	0048 F04 33.45 −30.71 −7.22	0057 G04 39.5 −39.85 −1.94	0066 H04 45.56 −49.0 3.33	0075 I04 51.61 −58.14 8.6	0084 J04 9.8 16.05 −15.21	0093 K04 16.05 7.13 −14.05	0102 L04 21.1 −1.16 −12.95	0111 M04 26.15 −9.27 −11.85	0120 N04 32.2 −17.42 −6.57	0129 O04 38.26 −26.57 −1.3	0138 P04 44.31 −35.72 3.97	0147 Q04 50.37 −44.87 9.25	0156 R04 56.42 −54.01 14.52	0165 S04 13.41 24.51 −9.34	0174 T04 19.66 15.96 −8.18	0183 U04 25.91 5.73 −7.02	0192 V04 32.16 −4.13 −5.92	0201 W04 38.41 −13.28 −0.65	0210 X04 44.67 −22.43 4.62	0219 Y04 50.92 −31.58 9.9	0228 Z04 57.18 −40.73 15.17	0237 a04 63.43 −49.87 20.45	0732 b04 80.95 −12.41 −17.77	0741 c04 73.85 −8.27 −11.85	0750 d04 66.74 −4.13 −5.92	0759 e04 59.64 0.0 −0.01	0768 f04 53.35 8.92 9.44	0777 g04 47.06 17.84 18.88	0786 h04 40.78 26.76 28.32	0795 i04 34.5 35.68 37.77	0804 j04 28.22 44.59 47.2	0975 k04 35.79 0.0 −0.01	0984 l04 35.79 0.0 −0.01	0993 m04 35.79 0.0 −0.01	1002 n04 35.79 0.0 −0.01
05	0004 A05 8.25 22.91 −28.1	0013 B05 13.29 13.05 −27.0	0022 C05 18.34 3.18 −25.9	0031 D05 23.39 −6.68 −24.8	0040 E05 28.44 −16.55 −23.7	0049 F05 34.5 −25.7 −18.42	0058 G05 40.55 −34.84 −13.14	0067 H05 46.61 −43.99 −7.87	0076 I05 52.66 −53.13 −2.59	0085 J05 11.46 21.41 −22.4	0094 K05 17.19 7.32 −21.08	0103 L05 22.23 −2.54 −19.98	0112 M05 27.28 −12.41 −17.77	0121 N05 33.26 −21.56 −12.5	0130 O05 39.31 −30.71 −7.22	0139 P05 45.37 −39.86 −1.94	0148 Q05 51.42 −49.0 3.32	0157 R05 57.47 −58.14 8.6	0166 S05 15.47 21.72 −16.21	0175 T05 21.72 12.97 −14.05	0184 U05 27.97 3.02 −12.95	0193 V05 34.22 −6.27 −11.85	0202 W05 40.47 −15.42 −6.57	0211 X05 46.72 −24.57 −1.3	0220 Y05 50.18 −26.57 −1.3	0229 Z05 55.78 −35.72 3.97	0238 a05 62.03 −44.86 9.24	0733 b05 76.13 −16.55 −23.7	0742 c05 69.03 −12.41 −17.77	0751 d05 61.92 −8.27 −11.85	0760 e05 54.81 −4.13 −5.92	0769 f05 47.71 0.0 −0.01	0778 g05 41.42 8.92 9.44	0787 h05 35.14 17.84 18.88	0796 i05 28.85 26.76 28.32	0805 j05 22.58 35.68 37.76	0976 k05 47.71 0.0 −0.01	0985 l05 47.71 0.0 −0.01	0994 m05 47.71 0.0 −0.01	1003 n05 47.71 0.0 −0.01
06	0005 A06 10.31 28.64 −35.13	0014 B06 15.35 18.78 −34.03	0023 C06 20.4 8.91 −32.93	0032 D06 25.45 −0.95 −31.82	0041 E06 30.5 −10.82 −30.72	0050 F06 35.55 −20.69 −29.62	0059 G06 41.61 −29.83 −24.35	0068 H06 47.66 −38.98 −19.07	0077 I06 53.71 −48.12 −13.8	0086 J06 13.91 27.71 −29.27	0095 K06 20.17 13.05 −28.11	0104 L06 25.22 3.18 −27.0	0113 M06 30.27 −7.68 −25.9	0122 N06 35.32 −16.65 −24.8	0131 O06 40.37 −25.62 −23.7	0140 P06 46.42 −34.85 −18.42	0149 Q06 52.48 −43.99 −13.15	0158 R06 58.53 −53.14 −7.88	0167 S06 17.52 23.78 −23.4	0176 T06 23.78 14.37 −22.24	0185 U06 30.03 5.42 −21.08	0194 V06 35.08 −3.19 −19.98	0203 W06 40.13 −12.24 −18.88	0212 X06 45.18 −21.56 −17.77	0221 Y06 51.24 −30.71 −12.5	0230 Z06 57.29 −39.86 −7.22	0239 a06 63.34 −49.0 −1.95	0734 b06 71.32 −20.69 −29.62	0743 c06 64.22 −16.55 −23.7	0752 d06 57.11 −12.41 −17.77	0761 e06 50.0 −8.27 −11.85	0770 f06 42.89 −4.13 −5.92	0779 g06 35.79 0.0 −0.01	0788 h06 29.5 8.92 9.44	0797 i06 23.21 17.84 18.88	0806 j06 16.93 26.75 28.31	0977 k06 59.64 0.0 −0.01	0986 l06 59.64 0.0 −0.01	0995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
07	0006 A07 12.37 34.37 −42.15	0015 B07 17.41 24.51 −41.05	0024 C07 22.46 14.64 −39.95	0033 D07 27.51 4.77 −38.85	0042 E07 32.56 −5.09 −37.75	0051 F07 37.61 −14.96 −36.65	0060 G07 42.66 −24.82 −35.55	0069 H07 47.71 −33.97 −30.27	0078 I07 52.76 −43.11 −25.0	0087 J07 17.57 38.87 −36.29	0096 K07 23.22 28.65 −35.13	0105 L07 27.27 18.78 −34.03	0114 M07 32.32 8.91 −32.93	0123 N07 37.37 −0.95 −31.83	0132 O07 42.42 −10.82 −30.73	0141 P07 47.47 −20.69 −29.63	0150 Q07 52.52 −29.84 −24.35	0159 R07 57.57 −38.98 −19.08	0168 S07 23.58 43.37 −40.43	0177 T07 28.83 33.15 −39.27	0186 U07 34.08 22.92 −28.11	0195 V07 39.13 13.05 −27.0	0204 W07 44.18 3.18 −25.9	0213 X07 49.23 −6.68 −24.8	0222 Y07 54.28 −16.55 −23.7	0231 Z07 59.33 −25.7 −18.42	0240 a07 64.38 −34.84 −13.15	0735 b07 66.5 −24.82 −35.55	0744 c07 59.41 −20.69 −29.63	0753 d07 52.29 −16.55 −23.7	0762 e07 45.18 −12.41 −17.77	0771 f07 38.07 −8.27 −11.85	0780 g07 30.96 −4.13 −5.92	0789 h07 23.86 0.0 −0.01	0798 i07 17.57 8.92 9.44	0807 j07 11.29 17.83 18.87	0978 k07 71.56 0.0 −0.01	0987 l07 71.56 0.0 −0.01	0996 m07 71.56 0.0 −0.01	1005 n07 71.56 0.0 −0.01
08	0007 A08 14.42 40.1 −49.18	0016 B08 19.47 30.24 −48.08	0025 C08 24.52 20.37 −46.98	0034 D08 29.57 10.5 −45.88	0043 E08 34.62 0.63 −44.78	0052 F08 39.67 −9.25 −43.68	0061 G08 44.72 −19.09 −42.58	0070 H08 49.77 −28.96 −41.47	0079 I08 54.82 −38.1 −36.2	0088 J08 20.8 44.6 −43.32	0097 K08 26.24 34.38 −42.16	0106 L08 29.28 24.51 −41.06	0115 M08 33.34 14.64 −39.96	0124 N08 38.39 4.77 −38.86	0133 O08 43.44 −5.09 −37.76	0142 P08 48.49 −14.96 −36.65	0151 Q08 53.54 −24.83 −35.55	0160 R08 58.59 −34.69 −30.28	0169 S08 29.64 −37.45 −37.45	0178 T08 34.89 −36.29 −36.29	0187 U08 39.85 −35.13 −35.13	0196 V08 44.89 −34.03 −34.03	0205 W08 49.94 −32.93 −32.93	0214 X08 54.99 −31.83 −30.73	0223 Y08 60.05 −30.73 −29.63	0232 Z08 65.10 −29.63 −24.35	0241 a08 70.15 −28.96 −23.7	0736 b08 67.65 −41.47 −35.55	0745 c08 61.69 −28.96 −23.7	0754 d08 54.58 −24.83 −29.63	0763 e08 47.47 −20.69 −23.7	0772 f08 40.37 −16.55 −17.77	0781 g08 33.26 −12.41 −11.85	0790 h08 26.15 −8.27 −5.92	0799 i08 19.04 −4.13 −0.01	0808 j08 11.94 0.0 9.44	0979 k08 83.49 8.92 9.43	0988 l08 83.49 8.92 9.43	0997 m08 83.49 8.92 9.43	1006 n08 83.49 8.92 9.43
09	0008 A09 16.48 45.83 −55.1	0017 B09 21.53 35.96 −54.0	0026 C09 26.58 26.1 −52.9	0035 D09 31.63 16.23 −51.8	0044 E09 36.68 6.36 −50.7	0053 F09 41.73 −3.5 −49.6	0062 G09 46.78 −13.37 −48.5	0071 H09 51.83 −23.24 −47.4	0080 I09 56.87 −33.1 −46.3	0089 J09 20.09 46.34 −50.34	0098 K09 26.34 40.1 −49.18	0107 L09 31.39 30.23 −48.08	0116 M09 36.44 20.36 −46.98	0125 N09 41.49 10.49 −45.88	0134 O09 46.54 0.63 −44.78	0143 P09 51.59 −9.23 −43.68	0152 Q09 56.64 −19.1 −42.57	0161 R09 61.69 −28.96 −41.47	0170 S09 23.7 54.82 −44.48	0179 T09 29.95 44.6 −43.37	0188 U09 36.21 34.37 −42.15	0197 V09 41.26 24.5 −41.05	0206 W09 46.31 14.63 −39.94	0215 X09 51.36 4.76 −38.85	0224 Y09 56.41 −5.09 −37.75	0233 Z09 61.46 −14.96 −36.65	0242 a09 66.55 −24.82 −35.55	0737 b09 56.87 −33.1 −47.4	0746 c09 49.77 −28.96 −41.47	0755 d09 42.66 −24.82 −35.55	0764 e09 35.55 −20.69 −29.63	0773 f09 28.44 −16.55 −23.7	0782 g09 21.34 −12.41 −17.77	0791 h09 14.23 −8.27 −11.84	0800 i09 7.12 −4.13 −5.92	0809 j09 0.02 0.0 −0.01	0980 k09 95.4 0.0 −0.01	0989 l09 95.4 0.0 −0.01	0998 m09 95.4 0.0 −0.01	1007 n09 95.4 0.0 −0.01
10	0243 A10 16.93 26.75 28.31	0252 B10 22.56 16.51 31.31	0261 C10 28.2 6.27 34.31	0270 D10 33.83 −3.97 37.3	0279 E10 39.49 −13.12 42.58	0288 F10 45.14 −22.27 47.85	0297 G10 50.8 −31.42 53.13	0306 H10 56.45 −40.56 58.41	0315 I10 62.1 −49.71 63.68	0324 J10 28.22 35.67 37.76	0333 K10 33.84 25.43 40.75	0342 L10 39.48 15.19 43.75	0351 M10 45.11 4.94 46.74	0360 N10 50.75 −5.29 49.74	0369 O10 51.17 −14.44 55.02	0378 P10 57.22 −23.59 60.29	0387 Q10 63.28 −32.74 65.57	0396 R10 69.33 −41.88 70.84	0405 S10 34.12 28.9 47.2	0414 T10 40.37 24.68 50.19	0423 U10 46.62 20.45 53.19	0432 V10 52.87 16.22 56.19	0441 W10 59.12 11.98 59.18	0450 X10 65.37 7.75 62.18	0459 Y10 71.62 3.52 67.46	0468 Z10 77.87 −0.71 72.73	0477 a10 84.12 −4.94 78.0	0810 b10 68.5 −15.44 −15.44	0819 c10 74.75 −11.22 −12.42	0828 d10 81.00 −7.01 −9.44	0837 e10 87.25 −2.79 −6.47	0846 f10 93.5 1.42 2.64	0855 g10 99.75 5.64 8.75	0864 h10 91.5 −7.94 −9.27	0873 i10 90.85 −9.27 −10.59	0882 j10 90.21 −10.59 −11.92	1008 k10 0.02 0.0 −0.01	1024 l10 0.02 0.0 −0.01	1040 m10 0.02 0.0 −0.01	1056 n10 0.02 0.0 −0.01
11	0244 A11 23.21 28.06 17.72	0253 B11 28.25 17.84 18.88	0262 C11 33.29 7.59 24.87	0271 D11 38.34 −2.65 30.15	0280 E11 43.38 −12.71 35.43	0289 F11 48.42 −22.77 40.7	0298 G11 53.47 −32.84 45.98	0307 H11 58.51 −42.9 51.25	0316 I11 63.56 −53.05 56.53	0325 J11 36.75 47.76 −38.48	0334 K11 42.3 38.96 −39.32	0343 L11 47.84 26.76 −40.16	0352 M11 53.39 16.51 −40.99	0361 N11 58.93 6.27 −41.82	0370 O11 64.48 −3.97 −42.65	0379 P11 70.02 −13.12 −43.48	0388 Q11 75.57 −22.27 −44.31	0397 R11 81.11 −31.42 −45.14	0406 S11 45.9 35.8 48.5	0415 T11 51.45 26.58 37.77	0424 U11 56.99 17.35 40.76	0433 V11 62.54 8.12 43.76	0442 W11 68.08 −1.12 46.75	0451 X11 73.63 −10.37 49.75	0460 Y11 79.17 −19.62 55.03	0469 Z11 84.72 −28.87 60.3	0478 a11 90.26 −38.12 65.57	0811 b11 85.54 −23.59 −32.73	0820 c11 81.83 −19.15 −23.59	0829 d11 78.12 −14.71 −14.44	0838 e11 74.41 −10.27 −5.16	0847 f11 70.71 −5.83 1.32	0856 g11 67.00 −1.39 8.75	0865 h11 63.29 3.04 16.19	0874 i11 59.58 7.48 23.63	0883 j11 55.88 11.92 31.08	1009 k11 5.72 −7.02 −0.01	1025 l11 5.72 −7.02 −0.01	1041 m11 5.72 −7.02 −0.01	1057 n11 5.72 −7.02 −0.01
12	0245 A12 16.99 29.37 7.12	0254 B12 23.24 19.15 8.28	0263 C12 29.5 8.92 9.44	0272 D12 35.13 −1.32 12.43	0281 E12 41.19 −10.47 17.71	0290 F12 47.24 −19.62 22.99	0299 G12 53.3 −28.77 28.26	0308 H12 59.35 −37.92 33.54	0317 I12 65.4 −47.06 38.81	0326 J12 22.63 38.29 16.56	0335 K12 28.88 28.07 17.72	0344 L12 35.14 17.84 18.88	0353 M12 40.77 7.6 21.88	0362 N12 46.41 −2.65 24.87	0371 O12 52.46 −11.79 30.15	0380 P12 58.52 −20.94 35.43	0389 Q12 64.57 −30.09 40.7	0398 R12 70.62 −39.23 45.97	0407 S12 46.12 34.52 26.0	0416 T12 52.37 40.78 27.16	0425 U12 58.62 46.41 28.32	0434 V12 64.87 52.05 31.32	0443 W12 71.12 57.68 34.32	0452 X12 77.37 63.32 37.31	0461 Y12 83.62 68.95 42.59	0470 Z12 89.87 74.59 48.66	0479 a12 96.12 80.22 53.14	0812 b12 75.67 −14.04 −7.02	0821 c12 73.61 −11.32 −0.01	0830 d12 71.56 −8.61 5.73	0839 e12 70.91 −5.9 12.43	0848 f12 70.26 −3.19 24.87	0857 g12 69.61 −0.48 37.31	0866 h12 68.96 2.23 49.75	0875 i12 68.31 4.94 62.19	0884 j12 67.66 7.65 74.62	1010 k12 12.73 −7.02 −0.01	1026 l12 12.73 −7.02 −0.01	1042 m12 12.73 −7.02 −0.01	1058 n12 12.73 −7.02 −0.01
13	0246 A13 17.02 30.68 −3.48	0255 B13 23.27 20.46 −2.32	0264 C13 29.52 10.23 −1.16	0273 D13 35.78 0.0 −0.01	0282 E13 42.03 −9.14 5.27	0291 F13 48.28 −18.29 10.55	0300 G13 54.53 −27.44 15.82	0309 H13 60.78 −36.59 21.1	0318 I13 67.03 −45.73 26.37	0327 J13 34.55 39.6 5.95	0336 K13 40.09 29.38 −5.27	0345 L13 45.63 19.15 −6.16	0354 M13 51.17 8.92 −7.05	0363 N13 56.71 −1.32 −7.94	0372 O13 62.25 −10.47 −8.83	0381 P13 67.79 −19.62 −9.72	0390 Q13 73.33 −28.77 −10.61	0399 R13 78.87 −37.91 −11.5	0408 S13 52.6 28.3 48.52	0417 T13 58.85 34.55 38.3	0426 U13 65.09 40.81 28.07	0435 V13 71.34 47.06 17.74	0444 W13 77.59 53.32 7.59	0453 X13 83.84 59.57 −2.65	0462 Y13 90.09 65.82 −11.29	0471 Z13 96.34 72.07 −20.94	0480 a13 102.59 78.32 −30.08	0813 b13 86.43 −11.32 −1.05	0822 c13 85.51 −8.61 −2.35	0831 d13 84.59 −5.9 −3.65	0840 e13 83.67 −3.19 −4.95	0849 f13 82.75 −0.48 −6.25	0858 g13 81.83 2.23 −7.55	0867 h13 80.91 4.94 −8.85	0876 i13 80.00 7.65 −10.14	0885 j13 79.08 10.36 −11.44	1011 k13 19.09 −7.02 −0.01	1027 l13 19.09 −7.02 −0.01	1043 m13 19.09 −7.02 −0.01	1059 n13 19.09 −7.02 −0.01
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16	0249 A16 22.46 47.87 −24.56	0258 B16 29.44 37.65 −23.4	0267 C16 36.42 27.42 −22.24	0276 D16 43.41 17.19 −21.08	0285 E16 50.39 7.0 −19.98	0294 F16 57.37 −3.22 −18.88	0303 G16 64.35 −12.41 −17.77	0312 H16 71.33 −21.56 −12.5	0321 I16 78.31 −30.7 −7.23	0330 J16 52.57 −18.69 −18.69	0339 K16 58.31 32.02 −17.53	0348 L16 64.05 22.15 −16.37	0357 M16 69.79 12.27 −15.21	0366 N16 75.53 2.39 −14.05	0375 O16 81.27 −7.49 −12.95	0384 P16 87.01 −17.37 −11.85	0393 Q16 92.75 −26.52 −6.57	0402 R16 98.49 −35.67 −1.3	0411 S16 57.9 52.38 −12.83	0420 T16 63.4 42.85 −11.67	0429 U16 68.9 33.32 −10.51	0438 V16 74.4 23.79 −9.35	0447 W16 79.9 14.26 −8.18	0456 X16 85.4 4.73 −7.02	0465 Y16 90.9 −4.79 −5.92	0474 Z16 96.4 −14.32 −4.62	0483 a16 101.9 −23.85 −3.31	0816 b16 86.61 −21.05 −12.43	0825 c16 85.76 −19.34 −11.46	0834 d16 84.91 −17.63 −10.49	0843 e16 84.06 −15.92 −9.52	0852 f16 83.21 −14.21 −8.55	0861 g16 82.36 −12.50 −7.58	0870 h16 81.51 −10.79 −6.61	0879 i16 80.66 −9.08 −5.64	0888 j16 79.81 −7.37 −4.67	1014 k16 38.17 0.0 −0.01	1030 l16 38.17 0.0 −0.01	1046 m16 38.17 0.0 −0.01	1062 n16 38.17 0.0 −0.01
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18	0251 A18 27.31 59.33 −38.61	0260 B18 33.56 49.1 −37.45	0269 C18 39.82 38.87 −36.29	0278 D18 46.07 28.64 −35.13	0287 E18 52.31 18.77 −33.97	0296 F18 58.55 8.9 −32.92	0305 G18 64.79 −0.96 −31.82	0314 H18 71.03 −10.82 −30.72	0323 I18 77.27 −20.69 −29.62	0332 J18 32.12 63.83 −32.74	0341 K18 37.8 53.6 −31.58	0350 L18 43.49 43.37 −30.42	0359 M18 49.18 33.14 −29.26	0368 N18 54.90 22.91 −28.1	0377 O18 60.99 13.04 −27.0	0386 P18 66.04 3.17 −25.9	0395 Q18 71.09 −6.69 −24.83	0404 R18 76.13 −16.55 −23.7	0413 S18 34.53 68.33 −26.88	0422 T18 40.78 58.11 −25.72	0431 U18 47.02 47.87 −24.56	0440 V18 53.29 37.64 −23.39	0449 W18 59.55 27.41 −22.23	0458 X18 65.8 17.18 −21.07	0467 Y18 70.85 7.31 −19.97	0476 Z18 78.94 −2.55 −18.81	0485 a18 85.19 −12.77 −17.77	0818 b18 80.95 −12.41 −16.91	0827 c18 78.46 −11.72 −16.05	0836 d18 76.01 −11.03 −15.19	0845 e18 73.52 −10.34 −14.33	0854 f18 71.03 −9.65 −13.47	0863 g18 68.54 −8.96 −12.61	0872 h18 66.05 −8.27 −11.75	0881 i18 63.56 −7.58 −10.89	0890 j18 61.07 −6.89 −10.03	1016 k18 50.89 0.0 −0.01	1032 l18 50.89 0.0 −0.01	1048 m18 50.89 0.0 −0.01	1064 n18 50.89 0.0 −0.01
19	0486 A19 33.86 53.52 −56.64	0495 B19 39.49 43.28 −59.64	0504 C19 45.12 33.03 −62.63	0513 D19 50.76 22.78 −65.63	0522 E19 56.39 12.54 −68

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02	0001 A02 2.07 5.72 −7.02	0010 B02 7.12 −4.13 −5.92	0019 C02 13.17 −13.28 −0.64	0028 D02 19.23 −22.43 4.63	0037 E02 25.28 −31.58 9.9	0046 F02 31.34 −40.73 15.18	0055 G02 37.39 −49.87 20.45	0064 H02 43.45 −59.02 25.73	0073 I02 49.5 −68.16 31.0	0082 J02 5.68 10.22 −1.16	0091 K02 11.94 0.0 −0.01	0100 L02 17.99 −9.14 5.27	0109 M02 24.04 −18.29 10.55	0118 N02 30.1 −27.44 15.82	0127 O02 36.15 −36.59 21.1	0136 P02 42.21 −45.74 26.38	0145 Q02 48.26 −54.89 31.65	0154 R02 54.31 −64.03 36.92	0163 S02 11.32 19.14 8.28	0172 T02 17.37 8.92 9.44	0181 U02 23.21 −1.32 12.43	0190 V02 29.26 −10.47 17.71	0199 W02 35.32 −19.62 22.99	0208 X02 41.37 −28.77 28.26	0217 Y02 47.43 −37.92 33.54	0226 Z02 53.48 −47.06 38.82	0235 a02 59.53 −56.21 44.09	0730 b02 90.58 −4.13 −5.92	0739 c02 83.49 0.0 −0.01	0748 d02 77.2 8.92 9.44	0757 e02 70.91 17.84 18.88	0766 f02 64.63 26.76 28.32	0775 g02 58.35 35.68 37.77	0784 h02 52.06 44.6 47.21	0793 i02 45.78 53.52 56.65	0802 j02 39.5 62.44 66.08	0973 k02 11.94 0.0 −0.01	0982 l02 11.94 0.0 −0.01	0991 m02 11.94 0.0 −0.01	1000 n02 11.94 0.0 −0.01
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04	0003 A04 6.19 17.18 −21.07	0012 B04 11.24 7.32 −19.97	0021 C04 16.29 −2.54 −18.87	0030 D04 21.34 −12.41 −17.77	0039 E04 27.39 −21.56 −12.49	0048 F04 33.45 −30.71 −7.22	0057 G04 39.5 −39.85 −1.94	0066 H04 45.56 −49.0 3.33	0075 I04 51.61 −58.14 8.6	0084 J04 9.8 11.46 −15.21	0093 K04 16.05 1.59 −14.05	0102 L04 21.1 −8.27 −12.95	0111 M04 26.15 −17.42 −11.85	0120 N04 32.2 −26.57 −6.57	0129 O04 38.26 −35.72 −1.3	0138 P04 44.31 −44.87 3.97	0147 Q04 50.37 −54.02 9.25	0156 R04 56.42 −63.17 14.52	0165 S04 13.41 26.18 −9.34	0174 T04 19.66 15.96 −8.18	0183 U04 25.71 5.73 −7.02	0192 V04 31.76 −4.13 −5.92	0201 W04 37.82 −13.28 −0.65	0210 X04 43.87 −22.43 4.62	0219 Y04 49.13 −31.58 9.9	0228 Z04 55.18 −40.73 15.17	0237 a04 61.23 −49.87 20.45	0740 b04 80.95 −19.1 −17.77	0741 c04 73.85 −12.41 −11.85	0750 d04 66.74 −5.27 −5.92	0759 e04 59.64 0.0 −0.01	0768 f04 53.35 8.92 9.44	0777 g04 47.06 17.84 18.88	0786 h04 40.78 26.76 28.32	0795 i04 34.5 35.68 37.77	0804 j04 28.22 44.59 47.2	0975 k04 35.79 0.0 −0.01	0984 l04 35.79 0.0 −0.01	0993 m04 35.79 0.0 −0.01	1002 n04 35.79 0.0 −0.01
05	0004 A05 8.25 22.91 −28.1	0013 B05 13.29 13.05 −27.0	0022 C05 18.34 3.18 −25.9	0031 D05 23.39 −6.68 −24.8	0040 E05 28.44 −16.55 −23.7	0049 F05 34.5 −25.7 −18.42	0058 G05 40.55 −34.84 −13.14	0067 H05 46.61 −43.99 −7.87	0076 I05 52.66 −53.13 −2.59	0085 J05 11.86 27.41 −22.24	0094 K05 17.19 17.19 −21.08	0103 L05 22.24 7.32 −19.98	0112 M05 27.29 −2.54 −18.88	0121 N05 33.26 −12.41 −17.77	0130 O05 39.31 −21.56 −12.5	0139 P05 45.37 −30.71 −7.22	0148 Q05 51.42 −39.86 −1.94	0157 R05 57.47 −49.0 3.32	0166 S05 15.47 31.91 −16.2	0175 T05 21.72 21.69 −15.21	0184 U05 27.77 11.46 −14.05	0193 V05 33.02 1.59 −12.95	0202 W05 38.07 −8.27 −11.85	0211 X05 44.13 −17.42 −6.57	0220 Y05 50.18 −26.57 −1.3	0229 Z05 56.24 −35.72 3.97	0238 a05 62.29 −44.86 9.24	0733 b05 76.13 −16.55 −23.7	0742 c05 69.03 −12.41 −17.77	0751 d05 61.92 −8.27 −11.85	0760 e05 54.81 −4.13 −5.92	0769 f05 47.71 0.0 −0.01	0778 g05 41.42 8.92 9.44	0787 h05 35.14 17.84 18.88	0796 i05 28.85 26.76 28.32	0805 j05 22.58 35.67 37.76	0976 k05 47.71 0.0 −0.01	0985 l05 47.71 0.0 −0.01	0994 m05 47.71 0.0 −0.01	1003 n05 47.71 0.0 −0.01
06	0005 A06 10.31 28.64 −35.13	0014 B06 15.35 18.78 −34.03	0023 C06 20.4 8.91 −32.93	0032 D06 25.45 −0.95 −31.82	0041 E06 30.5 −10.82 −30.72	0050 F06 35.55 −20.69 −29.62	0059 G06 41.61 −29.83 −24.35	0068 H06 47.66 −38.98 −19.07	0077 I06 53.71 −48.12 −13.8	0086 J06 13.91 −29.27	0095 K06 20.17 −28.11	0104 L06 25.22 −27.0	0113 M06 30.27 13.05 −25.9	0122 N06 35.32 3.18 −24.8	0131 O06 40.37 −6.68 −23.7	0140 P06 46.42 −16.55 −18.42	0149 Q06 52.48 −25.7 −13.15	0158 R06 58.53 −34.85 −7.88	0167 S06 17.52 −23.4	0176 T06 23.78 −22.24	0185 U06 30.03 27.42 −21.08	0194 V06 35.08 17.19 −19.98	0203 W06 40.13 7.32 −18.88	0212 X06 45.18 −2.54 −17.77	0221 Y06 51.24 −12.5 −12.5	0230 Z06 57.29 −22.43 −7.22	0239 a06 63.34 −31.71 −1.95	0734 b06 71.32 −20.69 −29.62	0743 c06 64.22 −16.55 −23.7	0752 d06 57.11 −12.41 −17.77	0761 e06 50.0 −8.27 −11.85	0770 f06 42.89 −4.13 −5.92	0779 g06 35.79 0.0 −0.01	0788 h06 29.5 8.92 9.44	0797 i06 23.21 17.84 18.88	0806 j06 16.93 26.75 28.31	0977 k06 59.64 0.0 −0.01	0986 l06 59.64 0.0 −0.01	0995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
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	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	l	m	n
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02	0001 A02 2.07 5.72 −7.02	0010 B02 7.12 −4.13 −5.92	0019 C02 13.17 −13.28 −0.64	0028 D02 19.23 −22.43 4.63	0037 E02 25.28 −31.58 9.9	0046 F02 31.34 −40.73 15.18	0055 G02 37.39 −49.87 20.45	0064 H02 43.45 −59.02 25.73	0073 I02 49.5 −68.16 31.0	0082 J02 5.68 10.22 −1.16	0091 K02 11.94 0.0 −0.01	0100 L02 17.99 −9.14 5.27	0109 M02 24.04 −18.29 10.55	0118 N02 30.1 −27.44 15.82	0127 O02 36.15 −36.59 21.1	0136 P02 42.21 −45.74 26.38	0145 Q02 48.26 −54.89 31.65	0154 R02 54.31 −64.03 36.92	0163 S02 11.32 19.14 8.28	0172 T02 17.57 8.92 9.44	0181 U02 23.21 −1.32 12.43	0190 V02 29.26 −10.47 17.71	0199 W02 35.32 −19.62 22.99	0208 X02 41.37 −28.77 28.26	0217 Y02 47.43 −37.92 33.54	0226 Z02 53.48 −47.06 38.82	0235 a02 59.53 −56.21 44.09	0730 b02 90.58 −4.13 −5.92	0739 c02 83.49 0.0 −0.01	0748 d02 77.2 8.92 9.44	0757 e02 70.91 17.84 18.88	0766 f02 64.63 26.76 28.32	0775 g02 58.35 35.68 37.77	0784 h02 52.06 44.6 47.21	0793 i02 45.78 53.52 56.65	0802 j02 39.5 62.44 66.08	0973 k02 11.94 0.0 −0.01	0982 l02 11.94 0.0 −0.01	0991 m02 11.94 0.0 −0.01	1000 n02 11.94 0.0 −0.01
03	0002 A03 4.13 11.45 −14.04	0011 B03 9.18 1.59 −12.94	0020 C03 14.23 −8.27 −11.84	0029 D03 20.28 −17.42 −6.57	0038 E03 26.34 −26.57 −1.29	0047 F03 32.39 −35.72 3.98	0056 G03 38.45 −44.86 9.25	0065 H03 44.5 −54.01 14.53	0074 I03 50.55 −63.15 19.8	0083 J03 7.74 13.99 −8.18	0092 K03 13.99 4.13 −7.02	0101 L03 19.04 −5.92 −0.65	0110 M03 25.09 −13.28 4.62	0119 N03 31.15 −22.43 9.9	0128 O03 37.2 −31.58 15.17	0137 P03 43.26 −40.73 20.45	0146 Q03 49.31 −49.88 25.72	0155 R03 55.36 −59.02 30.99	0164 S03 13.35 25.52 −2.32	0173 T03 19.6 15.96 −1.16	0182 U03 25.66 5.75 0.0	0191 V03 31.71 −4.13 5.27	0200 W03 37.76 −13.28 10.55	0209 X03 43.82 −22.43 15.82	0218 Y03 49.87 −31.58 21.1	0227 Z03 55.92 −40.73 26.38	0236 a03 62.00 −49.88 31.65	0731 b03 85.77 −12.41 −11.84	0740 c03 78.66 −4.13 −5.92	0749 d03 71.56 0.0 −0.01	0758 e03 65.27 8.92 9.44	0767 f03 58.99 17.84 18.88	0776 g03 52.7 26.76 28.32	0785 h03 46.42 35.68 37.77	0794 i03 40.14 44.6 47.21	0803 j03 33.86 53.52 56.64	0974 k03 23.86 0.0 −0.01	0983 l03 23.86 0.0 −0.01	0992 m03 23.86 0.0 −0.01	1001 n03 23.86 0.0 −0.01
04	0003 A04 6.19 17.18 −21.07	0012 B04 11.24 7.32 −19.97	0021 C04 16.29 −2.54 −18.87	0030 D04 21.34 −12.41 −17.77	0039 E04 27.39 −21.56 −12.49	0048 F04 33.45 −30.71 −7.22	0057 G04 39.5 −39.85 −1.94	0066 H04 45.56 −49.0 3.33	0075 I04 51.61 −58.14 8.6	0084 J04 9.8 3.15 −15.21	0093 K04 16.05 11.46 −14.05	0102 L04 21.1 1.9 −12.95	0111 M04 26.15 −7.67 −11.85	0120 N04 32.2 −17.42 −6.57	0129 O04 38.26 −26.57 −1.3	0138 P04 44.31 −35.72 3.97	0147 Q04 50.37 −44.87 9.25	0156 R04 56.42 −54.01 14.52	0165 S04 13.41 26.18 −9.34	0174 T04 19.66 15.96 −8.18	0183 U04 25.91 5.75 −7.02	0192 V04 32.16 −4.13 −5.92	0201 W04 38.42 −13.28 −0.65	0210 X04 44.67 −22.43 4.62	0219 Y04 49.13 −31.58 9.9	0228 Z04 55.18 −40.73 15.17	0237 a04 61.23 −49.87 20.45	0732 b04 80.95 −19.91 −11.85	0741 c04 73.85 −12.41 −5.92	0750 d04 66.74 −4.13 0.0	0759 e04 59.64 5.75 9.44	0768 f04 53.35 14.67 18.88	0777 g04 47.06 23.59 28.32	0786 h04 40.78 32.51 37.77	0795 i04 34.5 41.42 47.21	0804 j04 28.22 50.33 56.65	0975 k04 35.79 0.0 −0.01	0984 l04 35.79 0.0 −0.01	0993 m04 35.79 0.0 −0.01	1002 n04 35.79 0.0 −0.01
05	0004 A05 8.25 22.91 −28.1	0013 B05 13.29 13.05 −27.0	0022 C05 18.34 3.18 −25.9	0031 D05 23.39 −6.68 −24.8	0040 E05 28.44 −16.55 −23.7	0049 F05 34.5 −25.7 −18.42	0058 G05 40.55 −34.84 −13.14	0067 H05 46.61 −43.99 −7.87	0076 I05 52.66 −53.13 −2.59	0085 J05 11.86 27.41 −22.24	0094 K05 17.19 17.19 −21.08	0103 L05 23.16 7.32 −19.98	0112 M05 28.21 −2.54 −18.88	0121 N05 33.26 −12.41 −17.77	0130 O05 39.31 −21.56 −12.5	0139 P05 44.37 −30.71 −7.22	0148 Q05 49.42 −39.86 −1.94	0157 R05 55.47 −49.0 3.32	0166 S05 15.47 31.21 −16.24	0175 T05 21.69 21.69 −15.21	0184 U05 27.72 11.46 −14.05	0193 V05 33.02 1.59 −12.95	0202 W05 38.07 −8.27 −11.85	0211 X05 44.13 −17.42 −6.57	0220 Y05 50.18 −26.57 −1.3	0229 Z05 56.24 −35.72 3.97	0238 a05 62.29 −44.86 9.24	0733 b05 76.13 −16.55 −23.7	0742 c05 69.03 −12.41 −17.77	0751 d05 61.92 −8.27 −11.85	0760 e05 54.81 −4.13 0.0	0769 f05 47.71 0.0 9.44	0778 g05 41.42 8.92 18.88	0787 h05 35.14 17.84 28.32	0796 i05 28.85 26.76 37.77	0805 j05 22.58 35.68 47.21	0976 k05 47.71 0.0 −0.01	0985 l05 47.71 0.0 −0.01	0994 m05 47.71 0.0 −0.01	1003 n05 47.71 0.0 −0.01
06	0005 A06 10.31 28.64 −35.13	0014 B06 15.35 18.78 −34.03	0023 C06 20.4 8.91 −32.93	0032 D06 25.45 −0.95 −31.82	0041 E06 30.5 −10.82 −30.72	0050 F06 35.55 −20.69 −29.62	0059 G06 41.61 −29.83 −24.35	0068 H06 47.66 −38.98 −19.07	0077 I06 53.71 −48.12 −13.8	0086 J06 13.91 33.14 −29.27	0095 K06 20.17 25.22 −28.11	0104 L06 25.22 13.05 −27.0	0113 M06 30.27 3.18 −25.9	0122 N06 35.32 −6.68 −24.8	0131 O06 40.37 −16.55 −23.7	0140 P06 46.42 −25.74 −18.42	0149 Q06 52.48 −34.85 −13.15	0158 R06 58.53 −43.99 −7.88	0167 S06 17.52 37.64 −23.4	0176 T06 23.78 27.42 −22.24	0185 U06 30.03 17.19 −21.08	0194 V06 35.08 7.32 −19.98	0203 W06 40.13 −2.54 −18.88	0212 X06 45.18 −12.41 −17.77	0221 Y06 51.24 −21.56 −12.5	0230 Z06 57.29 −30.71 −7.22	0239 a06 63.34 −39.85 −1.95	0734 b06 71.32 −20.69 −29.62	0743 c06 64.22 −16.55 −23.7	0752 d06 57.11 −12.41 −17.77	0761 e06 50.0 −8.27 −11.85	0770 f06 42.89 −4.13 −5.92	0779 g06 35.79 0.0 0.0	0788 h06 29.5 8.92 9.44	0797 i06 23.21 17.84 18.88	0806 j06 16.93 26.76 28.31	0977 k06 59.64 0.0 −0.01	0986 l06 59.64 0.0 −0.01	0995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
07	0006 A07 14.37 34.37 −42.15	0015 B07 17.41 24.51 −41.05	0024 C07 22.46 14.64 −39.95	0033 D07 27.51 4.77 −38.85	0042 E07 32.56 −5.09 −37.75	0051 F07 37.61 −14.96 −36.65	0060 G07 42.66 −24.82 −35.55	0069 H07 47.71 −33.97 −30.27	0078 I07 52.76 −43.11 −25.0	0087 J07 17.97 38.87 −36.29	0096 K07 23.22 28.65 −35.13	0105 L07 27.27 18.78 −34.03	0114 M07 32.32 8.91 −32.93	0123 N07 37.37 −0.95 −31.83	0132 O07 42.42 −10.82 −30.73	0141 P07 47.47 −20.69 −29.63	0150 Q07 52.52 −29.84 −24.35	0159 R07 57.57 −38.98 −19.08	0168 S07 43.37 −30.43	0177 T07 33.15 −29.27	0186 U07 32.91 22.92 −28.11	0195 V07 37.92 13.05 −27.0	0204 W07 42.97 3.18 −25.9	0213 X07 48.02 −6.68 −24.8	0222 Y07 53.07 −16.55 −23.7	0231 Z07 58.12 −25.7 −18.42	0240 a07 63.17 −34.84 −13.15	0735 b07 66.5 −24.82 −35.55	0744 c07 59.41 −20.69 −29.63	0753 d07 52.32 −16.55 −23.7	0762 e07 45.18 −12.41 −17.77	0771 f07 38.07 −8.27 −11.85	0780 g07 30.96 −4.13 −5.92	0789 h07 23.86 0.0 0.0	0798 i07 17.57 8.92 9.44	0807 j07 11.29 17.83 18.87	0978 k07 71.56 0.0 −0.01	0987 l07 71.56 0.0 −0.01	0996 m07 71.56 0.0 −0.01	1005 n07 71.56 0.0 −0.01
08	0007 A08 14.42 40.1 −49.18	0016 B08 19.47 30.24 −48.08	0025 C08 24.52 20.37 −46.98	0034 D08 29.57 10.5 −45.88	0043 E08 34.62 0.63 −44.78	0052 F08 39.67 −9.21 −43.68	0061 G08 44.72 −19.06 −42.58	0070 H08 49.77 −28.96 −41.47	0079 I08 54.82 −38.1 −36.2	0088 J08 18.03 44.04 −43.32	0097 K08 23.28 34.38 −42.16	0106 L08 29.33 24.51 −41.06	0115 M08 34.38 14.64 −39.96	0124 N08 39.43 4.77 −38.86	0133 O08 44.48 −5.09 −37.76	0142 P08 49.53 −14.96 −36.65	0151 Q08 54.58 −24.83 −35.55	0160 R08 60.63 −34.97 −30.28	0169 S08 21.64 −37.45	0178 T08 27.89 −36.29	0187 U08 34.15 −35.13	0196 V08 39.2 −34.03	0205 W08 44.25 −32.93	0214 X08 49.3 −31.83	0223 Y08 54.35 −30.73	0232 Z08 59.4 −29.63	0241 a08 64.45 −24.35	0736 b08 61.69 −41.47	0745 c08 54.58 −35.55	0754 d08 47.48 −29.63	0763 e08 40.37 −23.7	0772 f08 33.26 −17.77	0781 g08 26.15 −11.85	0790 h08 19.04 −5.92	0799 i08 11.94 0.0 −0.01	0808 j08 5.65 9.43 −0.01	0979 k08 83.49 0.0 −0.01	0988 l08 83.49 0.0 −0.01	0997 m08 83.49 0.0 −0.01	1006 n08 83.49 0.0 −0.01
09	0008 A09 16.48 45.83 −56.1	0017 B09 21.53 35.96 −54.0	0026 C09 26.58 26.1 −52.9	0035 D09 31.63 16.23 −51.8	0044 E09 36.68 6.36 −50.7	0053 F09 41.73 −3.5 −49.6	0062 G09 46.78 −13.37 −48.5	0071 H09 51.83 −23.24 −47.4	0080 I09 56.87 −33.1 −46.3	0089 J09 20.09 52.1 −50.34	0098 K09 26.34 40.1 −49.18	0107 L09 31.39 30.23 −48.08	0116 M09 36.44 20.36 −46.98	0125 N09 41.49 10.49 −45.88	0134 O09 46.54 0.63 −44.78	0143 P09 51.59 −9.23 −43.68	0152 Q09 56.64 −19.1 −42.57	0161 R09 61.69 −28.96 −41.47	0170 S09 23.7 54.82 −44.48	0179 T09 29.95 44.6 −43.37	0188 U09 36.21 34.37 −42.15	0197 V09 41.26 24.5 −41.05	0206 W09 46.31 14.63 −39.95	0215 X09 51.36 4.76 −38.85	0224 Y09 56.41 −5.09 −37.75	0233 Z09 61.46 −14.96 −36.65	0242 a09 66.55 −23.7 −35.55	0737 b09 56.87 −33.1 −47.4	0746 c09 49.77 −28.96 −41.47	0755 d09 42.66 −24.82 −35.55	0764 e09 35.55 −20.69 −29.62	0773 f09 28.44 −16.55 −23.7	0782 g09 21.34 −12.41 −17.77	0791 h09 14.23 −8.27 −11.84	0800 i09 7.12 −4.13 −5.92	0809 j09 0.02 0.0 −0.01	0980 k09 95.4 0.0 −0.01	0989 l09 95.4 0.0 −0.01	0998 m09 95.4 0.0 −0.01	1007 n09 95.4 0.0 −0.01
10	0243 A10 16.93 26.75 28.31	0252 B10 22.56 16.51 31.31	0261 C10 28.2 6.27 34.31	0270 D10 33.83 −3.97 37.3	0279 E10 39.49 −13.12 42.58	0288 F10 45.14 −22.27 47.85	0297 G10 50.8 −31.42 53.13	0306 H10 56.45 −40.56 58.41	0315 I10 62.1 −49.71 63.68	0324 J10 28.52 35.67 37.76	0333 K10 34.77 25.43 40.75	0342 L10 28.21 15.19 43.75	0351 M10 33.84 4.94 46.74	0360 N10 39.48 −5.29 49.74	0369 O10 45.11 −14.44 55.02	0378 P10 51.17 −23.59 60.29	0387 Q10 57.22 −32.74 65.57	0396 R10 63.28 −41.88 70.84	0405 S10 24.44	0414 T10 33.85 34.36 47.2	0423 U10 39.48 24.11 50.19	0432 V10 45.12 13.86 53.19	0441 W10 50.75 3.62 56.19	0450 X10 56.39 −6.62 59.18	0459 Y10 62.44 −15.77 62.18	0468 Z10 68.5 −24.92 67.46	0477 a10 74.55 −34.06 72.73	0810 b10 91.5 0.0 78.0	0819 c10 85.4 −1.32 −2.64	0828 d10 79.3 9.41 24.86	0837 e10 73.2 −3.97 37.3	0846 f10 67.1 −5.29 49.74	0855 g10 61.0 −6.62 62.18	0864 h10 54.9 −7.94 74.62	0873 i10 48.8 −9.27 87.06	0882 j10 42.7 −10.59 99.49	1008 k10 95.4 0.0 −0.01	1024 l10 95.4 0.0 −0.01	1040 m10 95.4 0.0 −0.01	1056 n10 95.4 0.0 −0.01
11	0244 A11 23.21 28.06 17.72	0253 B11 28.25 17.84 18.88	0262 C11 33.28 7.59 24.87	0271 D11 38.31 −2.65 30.15	0280 E11 43.34 −12.71 35.43	0289 F11 48.36 −22.77 40.7	0298 G11 53.38 −32.83 45.98	0307 H11 58.4 −42.88 51.25	0316 I11 63.41 −52.93 56.51	0325 J11 23.66 37.76 40.75	0334 K11 29.91 28.26 43.75	0343 L11 24.49 18.52 46.74	0352 M11 29.07 8.79 49.74	0361 N11 33.65 −1.32 55.02	0370 O11 38.22 −11.47 60.29	0379 P11 42.79 −20.94 65.57	0388 Q11 47.36 −30.09 70.84	0397 R11 51.93 −39.23 47.2	0406 S11 34.65 45.9	0415 T11 44.13 35.68 37.77	0424 U11 53.61 25.43 40.76	0433 V11 63.09 15.19 43.76	0442 W11 72.57 4.95 46.75	0451 X11 82.05 −5.3 49.75	0460 Y11 91.53 −14.44 55.03	0469 Z11 101.02 −23.59 60.3	0478 a11 110.5 −32.73 65.57	0811 b11 85.54 5.72 −7.02	0820 c11 83.49 0.0 −0.01	0829 d11 81.44 −5.72 12.43	0838 e11 79.39 −11.44 24.87	0847 f11 81.35 −17.16 37.31	0856 g11 83.29 −22.87 49.75	0865 h11 85.24 −28.59 62.19	0874 i11 87.19 −34.31 74.63	0883 j11 89.14 −40.03 87.06	1009 k11 95.4 0.0 −0.01	1025 l11 95.4 0.0 −0.01	1041 m11 95.4 0.0 −0.01	1057 n11 95.4 0.0 −0.01
12	0245 A12 16.99 29.37 7.12	0254 B12 23.24 19.15 8.28	0263 C12 29.5 8.92 9.44	0272 D12 35.13 −1.32 12.43	0281 E12 41.19 −10.47 17.71	0290 F12 47.24 −19.62 22.99	0299 G12 53.3 −28.77 28.26	0308 H12 59.35 −37.92 33.54	0317 I12 65.4 −47.06 38.81	0326 J12 22.63 38.29 16.56	0335 K12 28.88 28.07 17.72	0344 L12 35.14 17.84 18.88	0353 M12 40.77 7.59 21.88	0362 N12 46.41 −2.65 24.87	0371 O12 52.46 −11.79 30.15	0380 P12 58.52 −20.94 35.43	0389 Q12 64.57 −30.09 40.7	0398 R12 70.62 −39.23 45.97	0407 S12 46.12 47.26 26.0	0416 T12 54.52 36.99 27.16	0425 U12 62.93 26.76 28.32	0434 V12 71.34 16.53 31.32	0443 W12 79.75 6.27 34.32	0452 X12 88.16 −3.97 37.31	0461 Y12 96.57 −13.12 42.59	0470 Z12 104.98 −22.27 47.86	0479 a12 113.4 −31.41 53.14	0812 b12 75.67 −1.32 12.43	0821 c12 73.61 −5.72 24.87	0830 d12 71.56 −10.03 37.31	0839 e12 69.51 −14.74 49.75	0848 f12 67.46 −19.46 62.19	0857 g12 65.41 −24.17 74.62	0866 h12 63.36 −28.89 87.06	0875 i12 61.31 −33.61 99.49	0884 j12 59.26 −38.32 111.93	1010 k12 95.4 0.0 −0.01	1026 l12 95.4 0.0 −0.01	1042 m12 95.4 0.0 −0.01	1058 n12 95.4 0.0 −0.01
13	0246 A13 17.02 30.68 −3.48	0255 B13 23.27 20.46 −2.32	0264 C13 29.52 10.23 −1.16	0273 D13 35.79 0.0 −0.01	0282 E13 41.84 −9.14 5.27	0291 F13 47.89 −18.29 10.55	0300 G13 53.95 −27.44 15.82	0309 H13 60.0 −36.59 21.1	0318 I13 66.05 −45.73 26.37	0327 J13 22.66 39.6 5.95	0336 K13 28.91 29.38 9.43	0345 L13 35.16 19.15 12.42	0354 M13 41.42 8.92 15.42	0363 N13 47.06 −1.32 17.71	0372 O13 52.71 −10.47 22.99	0381 P13 58.37 −19.62 28.26	0390 Q13 64.02 −28.77 33.54	0399 R13 69.67 −37.91 38.81	0408 S13 48.52 15.4	0417 T13 38.3 34.55 38.1	0426 U13 28.07 40.81 41.56	0435 V13 17.84 47.06 42.7	0444 W13 7.59 52.7 43.72	0453 X13 −2.65 58.33 44.75	0462 Y13 −11.79 64.09 45.77	0471 Z13 −20.94 69.85 46.8	0480 a13 −30.08 75.6 47.82	0813 b13 65.8 17.18 −21.07	0822 c13 63.75 11.46 −14.05	0831 d13 61.69 5.73 −7.02	0840 e13 59.64 0.0 −0.01	0849 f13 58.98 −5.73 12.43	0858 g13 58.33 −11.46 24.87	0867 h13 57.68 −17.18 37.31	0876 i13 57.03 −22.91 49.75	0885 j13 56.39 −28.64 62.18	1011 k13 95.4 0.0 −0.01	1027 l13 95.4 0.0 −0.01	1043 m13 95.4 0.0 −0.01	1059 n13 95.4 0.0 −0.01
14	0247 A14 19.08 36.41 −10.51	0256 B14 25.33 26.19 −9.35	0265 C14 31.58 15.96 −8.18	0274 D14 37.84 5.73 −7.02	0283 E14 42.89 −4.13 −5.92	0292 F14 48.94 −13.28 −0.65	0301 G14 55.0 −22.43 4.62	0310 H14 61.05 −31.58 9.9	0319 I14 67.1 −40.72 15.17	0328 J14 22.69 40.94 −3.48	0337 K14 28.94 30.69 −2.32	0346 L14 35.19 20.46 −1.16	0355 M14 41.45 10.23 −0.01	0364 N14 47.71 0.0 5.27	0373 O14 53.76 −9.14 10.55	0382 P14 59.82 −18.29 15.82	0391 Q14 65.87 −27.44 21.1	0400 R14 71.92 −36.58 26.37	0409 S14 28.33 49.83	0418 T14 34.58 39.61 29.8	0427 U14 40.83 29.38 31.32	0436 V14 47.09 19.15 32.82	0445 W14 53.35 8.92 34.32	0454 X14 59.58 −1.32 35.43	0463 Y14 65.04 −10.47 40.7	0472 Z14 71.09 −19.62 45.97	0481 a14 77.14 −28.76 51.24	0814 b14 55.94 22.91 −28.1	0823 c14 53.88 17.19 −21.08	0832 d14 51.82 11.46 −14.05	0841 e14 49.76 5.73 −7.02	0850 f14 47.71 0.0 −0.01	0859 g14 47.06 −5.73 12.43	0868 h14 46.41 −11.46 24.87	0877 i14 45.76 −17.18 37.31	0886 j14 45.11 −22.91 49.75	1012 k14 25.45 0.0 −0.01	1028 l14 25.45 0.0 −0.01	1044 m14 25.45 0.0 −0.01	1060 n14 25.45 0.0 −0.01
15	0248 A15 20.27 42.14 −17.53	0257 B15 27.39 31.92 −16.37	0266 C15 34.51 21.69 −15.21	0275 D15 41.63 11.46 −14.05	0284 E15 48.75 1.59 −12.95	0293 F15 55.86 −8.27 −11.85	0302 G15 62.98 −17.42 −6.57	0311 H15 70.09 −26.57 −1.3	0320 I15 77.21 −35.71 3.97	0329 J15 28.45 46.64 −11.67	0338 K15 34.74 36.42 −10.51	0347 L15 41.03 26.19 −9.35	0356 M15 47.32 15.96 −8.18	0365 N15 53.62 5.73 −7.02	0374 O15 59.91 −4.13 −5.92	0383 P15 66.21 −13.28 −0.65	0392 Q15 72.50 −22.43 4.62	0401 R15 78.79 −31.57 9.89	0410 S15 51.14 −5.8	0419 T15 40.92 −4.64 −3.48	0428 U15 30.69 −3.48 −2.32	0437 V15 20.46 −2.32 −1.16	0446 W15 10.23 −1.16 −0.01	0455 X15 0.0 0.0 5.27	0464 Y15 −9.14 10.55 15.82	0473 Z15 −18.29 −27.43 21.1	0482 a15 −27.43 −36.58 26.37	0815 b15 44.02 28.64 −35.13	0824 c15 42.06 22.92 −28.11	0833 d15 40.09 17.19 −21.08	0842 e15 38.13 11.46 −14.05	0851 f15 36.17 5.73 −7.02	0860 g15 34.21 0.0 −0.01	0869 h15 32.26 −5.73 12.43	0878 i15 30.29 −11.46 24.87	0887 j15 28.33 −17.18 37.31	1029 k15 31.81 0.0 −0.01	1045 m15 31.81 0.0 −0.01	1061 n15 31.81 0.0 −0.01
16	0249 A16 21.19 47.87 −24.56	0258 B16 29.44 37.63 −23.4	0267 C16 35.7 27.42 −22.24	0276 D16 41.96 17.19 −21.08	0285 E16 48.22 7.32 −19.98	0294 F16 54.48 −2.54 −18.88	0303 G16 60.73 −12.41 −17.77	0312 H16 67.00 −22.57 −12.5	0321 I16 73.26 −32.71 −7.23	0330 J16 29.61 38.2 −18.69	0339 K16 35.88 31.41 −17.53	0348 L16 42.15 22.62 −16.37	0357 M16 48.42 13.84 −15.21	0366 N16 54.69 5.05 −14.05	0375 O16 60.97 −3.64 −12.95	0384 P16 67.24 −12.85 −11.85	0393 Q16 73.51 −21.99 −6.57	0402 R16 79.78 −31.13 −1.3	0411 S16 52.62 −19.86	0420 T16 42.85 −18.7	0429 U16 33.08 −17.53	0438 V16 23.32 −16.37	0447 W16 13.55 −15.21	0456 X16 3.79 −14.05	0465 Y16 −5.96 −12.95	0474 Z16 −15.73 −21.08	0483 a16 −25.49 −29.22	0816 b16 36.21 −42.15	0825 c16 34.15 −35.13	0834 d16 32.09 −28.11	0843 e16 30.03 −21.08	0852 f16 27.97 −14.05	0861 g16 25.91 −7.02	0870 h16 23.86 −0.01	0879 i16 21.8 5.73 12.43	0888 j16 19.74 11.46 24.86	1014 k16 58.17 −0.01	1030 l16 58.17 −0.01	1046 m16 58.17 −0.01	1062 n16 58.17 −0.01
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18	0251 A18 27.31 59.33 −38.61	0260 B18 33.56 49.1 −37.45	0269 C18 39.82 38.87 −36.29	0278 D18 46.08 28.64 −35.13	0287 E18 52.34 18.77 −34.0	0296 F18 58.59 8.9 −32.92	0305 G18 64.85 −0.96 −31.82	0314 H18 71.11 −10.82 −30.72	0323 I18 77.36 −20.94 −29.62	0332 J18 32.18 63.83 −32.74	0341 K18 38.42 53.6 −31.58	0350 L18 44.67 43.37 −30.42	0359 M18 50.92 33.14 −29.26	0368 N18 57.17 22.91 −28.1	0377 O18 63.42 12.69 −27.0	0386 P18 69.66 2.46 −25.9	0395 Q18 75.91 −7.76 −24.8	0404 R18 82.16 −17.0 −23.7	0413 S18 55.73 −26.88	0422 T18 46.0 −27.72	0431 U18 36.27 −26.56	0440 V18 26.53 −25.39	0449 W18 16.8 −24.23	0458 X18 7.06 −23.07	0467 Y18 −2.68 −21.92	0476 Z18 −12.42 −20.76	0485 a18 −22.15 −19.6	0818 b18 70.85 −56.2	0827 c18 68.46 −49.18	0836 d18 66.07 −42.15	0845 e18 63.68 −35.13	0854 f18 61.29 −28.11	0863 g18 58.9 −21.08	0872 h18 56.51 −14.05	0881 i18 54.12 −7.02	0890 j18 51.73 0.0 −0.01	1016 k18 50.89 0.0 −0.01	1032 l18 50.89 0.0 −0.01	1048 m18 50.89 0.0 −0.01	1064 n18 50.89 0.0 −0.01
19	0486 A19 33.86 53.52 −56.64	0495 B19 39.49 43.28 59.64	0504 C19 45.12 33.03 62.63	0513 D19 50.76 22.78 65.63	0522 E19 56.39 12.54 68.63	0531 F19 62.03 2.29 71.62	0540 G19 67.66 −7.94 74.62	0549 H19 73.29 −17.19 79.89	0558 I19 78.93 −26.23 85.17	0567 J19 39.5 62.44 66.08	0576 K19 45.13 52.2 69.08	0585 L19 50.76 41.95 72.08	0594 M19 56.39 31.71 75.07	0603 N19 62.03 21.46 78.07	0612 O19 67.67 11.22 81.06	0621 P19 73.3 0.98 84.06	0630 Q19 78.94 −9.27 87.06	0639 R19 84.59 −18.41 92.33	0648 S19 56.14 71.35 75.52	0657 T19 50.77 61.11 78.51	0666 U19 45.4 50.77 81.51	0675 V19 40.03 40.62 84.51	0684 W19 34.67 30.47 87.5	0693 X19 29.3 20.13 90.5	0702 Y19 23.93 9.88 93.5	0711 Z19 18.57 −0.35 96.49	0

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02	0001 A02 2.07 5.72 −7.02	0010 B02 7.12 −4.13 −5.92	0019 C02 13.17 −13.28 −0.64	0028 D02 19.23 −22.43 4.63	0037 E02 25.28 −31.58 9.9	0046 F02 31.34 −40.73 15.18	0055 G02 37.39 −49.87 20.45	0064 H02 43.45 −59.02 25.73	0073 I02 49.5 −68.16 31.0	0082 J02 5.68 10.22 −1.16	0091 K02 11.94 0.0 −0.01	0100 L02 17.99 −9.14 5.27	0109 M02 24.04 −18.29 10.55	0118 N02 30.1 −27.44 15.82	0127 O02 36.15 −36.59 21.1	0136 P02 42.21 −45.74 26.38	0145 Q02 48.26 −54.89 31.65	0154 R02 54.31 −64.03 36.92	0163 S02 11.32 19.14 8.28	0172 T02 17.37 8.92 9.44	0181 U02 23.21 −1.32 12.43	0190 V02 29.26 −10.47 17.71	0199 W02 35.32 −19.62 22.99	0208 X02 41.37 −28.77 28.26	0217 Y02 47.43 −37.92 33.54	0226 Z02 53.48 −47.06 38.82	0235 a02 59.53 −56.21 44.09	0730 b02 90.58 −4.13 −5.92	0739 c02 83.49 0.0 −0.01	0748 d02 77.2 8.92 9.44	0757 e02 70.91 17.84 18.88	0766 f02 64.63 26.76 28.32	0775 g02 58.35 35.68 37.77	0784 h02 52.06 44.6 47.21	0793 i02 45.78 53.52 56.65	0802 j02 39.5 62.44 66.08	0973 k02 11.94 0.0 −0.01	0982 l02 11.94 0.0 −0.01	0991 m02 11.94 0.0 −0.01	1000 n02 11.94 0.0 −0.01
03	0002 A03 4.13 11.45 −14.04	0011 B03 9.18 1.59 −12.94	0020 C03 14.23 −8.27 −11.84	0029 D03 20.28 −17.42 −6.57	0038 E03 26.34 −26.57 −1.29	0047 F03 32.39 −35.72 3.98	0056 G03 38.45 −44.86 9.25	0065 H03 44.5 −54.01 14.53	0074 I03 50.55 −63.15 19.8	0083 J03 7.74 15.95 −8.18	0092 K03 13.99 5.73 −7.02	0101 L03 19.04 −4.13 −5.92	0110 M03 25.09 −13.28 −0.65	0119 N03 31.15 −22.43 4.62	0128 O03 37.2 −31.58 9.9	0137 P03 43.26 −40.73 15.17	0146 Q03 49.31 −49.88 20.45	0155 R03 55.36 −59.02 25.72	0164 S03 11.35 19.66 −2.32	0173 T03 17.6 23.86 −1.16	0182 U03 23.86 29.91 −0.01	0191 V03 29.91 35.96 5.27	0200 W03 35.96 42.02 10.55	0209 X03 42.02 48.08 15.82	0218 Y03 48.08 54.13 21.1	0227 Z03 54.13 60.18 26.38	0236 a03 60.18 65.75 31.65	0731 b03 85.77 78.66 −8.27 −11.84	0740 c03 78.66 71.56 −4.13 −5.92	0749 d03 71.56 65.27 0.0 −0.01	0758 e03 58.99 52.7 8.92 9.44	0767 f03 52.7 46.42 17.84 18.88	0776 g03 46.42 40.14 26.76 28.32	0785 h03 40.14 33.86 35.68 37.77	0794 i03 33.86 23.86 44.59 47.21	0803 j03 27.58 23.86 53.52 56.64	0974 k03 23.86 0.0 −0.01	0983 l03 23.86 0.0 −0.01	0992 m03 23.86 0.0 −0.01	1001 n03 23.86 0.0 −0.01
04	0003 A04 6.19 17.18 −21.07	0012 B04 11.24 7.32 −19.97	0021 C04 16.29 −2.54 −18.87	0030 D04 21.34 −12.41 −17.77	0039 E04 27.39 −21.56 −12.49	0048 F04 33.45 −30.71 −7.22	0057 G04 39.5 −39.85 −1.94	0066 H04 45.56 −49.0 3.33	0075 I04 51.61 −58.14 8.6	0084 J04 9.8 11.46 −15.21	0093 K04 16.05 1.9 −14.05	0102 L04 21.1 −12.95	0111 M04 26.15 −11.85 −6.57	0120 N04 32.2 −17.42 −1.3	0129 O04 38.26 −26.57 3.97	0138 P04 44.31 −35.72 9.25	0147 Q04 50.37 −44.87 14.52	0156 R04 56.42 −54.01 −9.34	0165 S04 13.41 26.18 14.52	0174 T04 19.66 15.96 −9.34	0183 U04 25.91 5.73 −8.18	0192 V04 30.96 −4.13 −7.02	0201 W04 37.02 −13.28 −5.92	0210 X04 43.07 −22.43 −0.65	0219 Y04 49.13 −31.58 4.62	0228 Z04 55.18 −40.73 9.9	0237 a04 61.23 −49.87 15.17	0732 b04 80.95 −12.41 −17.77 −20.45	0741 c04 73.85 −8.27 −11.85	0750 d04 66.74 −4.13 −5.92	0759 e04 59.64 0.0 −0.01	0768 f04 53.35 8.92 9.44	0777 g04 47.06 17.84 18.88	0786 h04 40.78 26.76 28.32	0795 i04 34.5 35.68 37.77	0804 j04 28.22 44.59 47.2	0975 k04 35.79 0.0 −0.01	0984 l04 35.79 0.0 −0.01	0993 m04 35.79 0.0 −0.01	1002 n04 35.79 0.0 −0.01
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06	0005 A06 10.31 28.64 −35.13	0014 B06 15.35 18.78 −34.03	0023 C06 20.4 8.91 −32.93	0032 D06 25.45 −0.95 −31.82	0041 E06 30.5 −10.82 −30.72	0050 F06 35.55 −20.69 −29.62	0059 G06 41.61 −29.83 −24.35	0068 H06 47.66 −38.98 −19.07	0077 I06 53.71 −48.12 −13.8	0086 J06 13.91 33.14 −29.27	0095 K06 20.17 22.07 −28.11	0104 L06 25.22 13.05 −27.0	0113 M06 30.27 3.18 −25.9	0122 N06 35.32 −6.68 −24.8	0131 O06 40.37 −16.55 −23.7	0140 P06 46.42 −26.42 −18.42	0149 Q06 52.48 −35.75 −13.15	0158 R06 58.53 −43.99 −7.88	0167 S06 17.52 37.64 −23.4	0176 T06 23.78 27.42 −22.24	0185 U06 30.03 17.19 −21.08	0194 V06 35.08 7.32 −19.98	0203 W06 40.13 −2.54 −18.88	0212 X06 45.18 −12.41 −17.77	0221 Y06 51.24 −21.56 −12.5	0230 Z06 57.29 −30.71 −7.22	0239 a06 63.34 −39.85 −1.95	0734 b06 71.32 −20.69 −29.62	0743 c06 64.22 −16.55 −23.7	0752 d06 57.11 −12.41 −17.77	0761 e06 50.0 −8.27 −11.85	0770 f06 42.89 −4.13 −5.92	0779 g06 35.79 0.0 −0.01	0788 h06 29.5 8.92 9.44	0797 i06 23.21 17.84 18.88	0806 j06 16.93 26.75 28.31	0977 k06 59.64 0.0 −0.01	0986 l06 59.64 0.0 −0.01	0995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
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BAM material: code=rha4ta

	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	l	m	n
01	0000 A01 0.02 0.0 −0.01	0009 B01 6.06 −9.14 5.27	0018 C01 12.12 −18.29 10.54	0027 D01 18.17 −27.43 15.82	0036 E01 24.23 −36.58 21.1	0045 F01 30.28 −45.73 26.37	0054 G01 36.34 −54.88 31.65	0063 H01 42.39 −64.03 36.92	0072 I01 48.44 −73.17 42.2	0081 J01 5.65 8.91 9.43	0090 K01 11.28 −1.32 12.42	0099 L01 17.34 −10.47 11.7	0108 M01 23.39 −19.62 22.98	0117 N01 29.45 −28.77 28.25	0126 O01 35.5 −37.91 33.53	0135 P01 41.56 −46.26 38.81	0144 Q01 47.61 −54.61 44.08	0153 R01 53.66 −65.35 49.35	0162 S01 11.29 17.83 18.87	0171 T01 16.92 7.59 11.87	0180 U01 22.56 −2.64 24.86	0189 V01 28.61 −11.79 30.14	0198 W01 34.67 −20.94 35.42	0207 X01 40.72 −30.09 40.69	0216 Y01 46.78 −39.24 45.97	0225 Z01 52.83 −48.39 51.24	0234 a01 58.88 −57.53 56.52	0243 b01 95.4 0.0 −0.01	0252 c01 89.12 8.91 9.43	0261 d01 82.83 17.83 18.87	0270 e01 76.55 26.75 28.31	0279 f01 70.27 35.67 37.76	0288 g01 63.98 44.59 47.2	0297 h01 57.7 53.52 56.64	0306 i01 51.41 62.44 66.08	0315 j01 45.14 71.35 75.52	0324 k01 38.85 0.0 −0.01	0333 l01 32.57 0.0 −0.01	0342 m01 26.28 0.0 −0.01	0351 n01 0.0 0.0 −0.01
02	0001 A02 2.07 5.72 −7.02	0010 B02 7.12 −4.13 −5.92	0019 C02 13.17 −13.28 −0.64	0028 D02 19.23 −22.43 4.63	0037 E02 25.28 −31.58 9.9	0046 F02 31.34 −40.73 15.18	0055 G02 37.39 −49.87 20.45	0064 H02 43.45 −59.02 25.73	0073 I02 49.5 −68.16 31.0	0082 J02 5.68 10.22 −1.16	0091 K02 11.94 0.0 −0.01	0100 L02 17.99 −9.14 5.27	0109 M02 24.04 −18.29 10.55	0118 N02 30.1 −27.44 15.82	0127 O02 36.15 −36.59 21.1	0136 P02 42.21 −45.74 26.38	0145 Q02 48.26 −54.89 31.65	0154 R02 54.31 −64.03 36.92	0163 S02 11.32 19.14 8.28	0172 T02 17.57 8.92 9.44	0181 U02 23.21 −1.32 12.43	0190 V02 29.26 −10.47 17.71	0199 W02 35.32 −19.62 22.99	0208 X02 41.37 −28.77 28.26	0217 Y02 47.43 −37.92 33.54	0226 Z02 53.48 −47.06 38.82	0235 a02 59.53 −56.21 44.09	0730 b02 90.58 −4.13 −5.92	0739 c02 83.49 0.0 −0.01	0748 d02 77.2 8.92 9.44	0757 e02 70.91 17.84 18.88	0766 f02 64.63 26.76 28.32	0775 g02 58.35 35.68 37.77	0784 h02 52.06 44.6 47.21	0793 i02 45.78 53.52 56.65	0802 j02 39.5 62.44 66.08	0973 k02 11.94 0.0 −0.01	0982 l02 11.94 0.0 −0.01	0991 m02 11.94 0.0 −0.01	1000 n02 11.94 0.0 −0.01
03	0002 A03 4.13 11.45 −14.04	0011 B03 9.18 1.59 −12.94	0020 C03 14.23 −8.27 −11.84	0029 D03 20.28 −17.42 −6.57	0038 E03 26.34 −26.57 −1.29	0047 F03 32.39 −35.72 3.98	0056 G03 38.45 −44.86 9.25	0065 H03 44.5 −54.01 14.53	0074 I03 50.55 −63.15 19.8	0083 J03 7.74 13.99 −8.18	0092 K03 13.99 4.13 −7.02	0101 L03 19.04 −5.92 5.27	0110 M03 25.09 −13.28 10.55	0119 N03 31.15 −22.43 15.82	0128 O03 37.2 −31.58 9.9	0137 P03 43.26 −40.73 15.17	0146 Q03 49.31 −49.88 20.45	0155 R03 55.36 −59.02 25.72	0164 S03 11.35 −2.32 −1.16	0173 T03 17.6 23.86 10.23	0182 U03 23.86 29.91 0.0	0191 V03 29.91 35.96 −9.14	0200 W03 35.96 42.02 −18.29	0209 X03 42.02 48.08 −27.44	0218 Y03 48.08 54.13 −36.59	0227 Z03 54.13 60.18 −45.74	0236 a03 60.18 65.77 −54.88	0731 b03 85.77 78.66 −8.27	0740 c03 78.66 71.56 −4.13	0749 d03 71.56 65.27 0.0	0758 e03 65.27 58.99 8.92	0767 f03 58.99 52.7 17.84	0776 g03 52.7 46.42 26.76	0785 h03 46.42 40.14 35.68	0794 i03 40.14 33.86 44.6	0803 j03 33.86 27.58 53.52	0974 k03 23.86 0.0 −0.01	0983 l03 23.86 0.0 −0.01	0992 m03 23.86 0.0 −0.01	1001 n03 23.86 0.0 −0.01
04	0003 A04 6.19 17.18 −21.07	0012 B04 11.24 7.32 −19.97	0021 C04 16.29 −2.54 −18.87	0030 D04 21.34 −12.41 −17.77	0039 E04 27.39 −21.56 −12.49	0048 F04 33.45 −30.71 −7.22	0057 G04 39.5 −39.85 −1.94	0066 H04 45.56 −49.0 3.33	0075 I04 51.61 −58.14 8.6	0084 J04 9.8 16.05 −15.21	0093 K04 16.05 7.13 −14.05	0102 L04 21.1 −2.12 −12.95	0111 M04 26.15 −9.27 −11.85	0120 N04 32.2 −17.42 −6.57	0129 O04 38.26 −26.57 −1.3	0138 P04 44.31 −35.72 3.97	0147 Q04 50.37 −44.87 9.25	0156 R04 56.42 −54.01 14.52	0165 S04 13.41 24.51 −9.34	0174 T04 19.66 15.96 −8.18	0183 U04 25.91 5.75 −7.02	0192 V04 32.16 −4.13 −5.92	0201 W04 38.41 −13.28 −0.65	0210 X04 44.67 −22.43 4.62	0219 Y04 50.92 −31.58 9.9	0228 Z04 57.17 −40.73 15.17	0237 a04 63.42 −49.87 20.45	0732 b04 80.95 −12.41 −4.13	0741 c04 73.85 −8.27 −1.85	0750 d04 66.74 −4.13 −5.92	0759 e04 59.64 0.0 −0.01	0768 f04 53.35 8.92 9.44	0777 g04 47.06 17.84 18.88	0786 h04 40.78 26.76 28.32	0795 i04 34.5 35.68 37.77	0804 j04 28.22 44.59 47.2	0975 k04 35.79 0.0 −0.01	0984 l04 35.79 0.0 −0.01	0993 m04 35.79 0.0 −0.01	1002 n04 35.79 0.0 −0.01
05	0004 A05 8.25 22.91 −28.1	0013 B05 13.29 13.05 −27.0	0022 C05 18.34 3.19 −25.9	0031 D05 23.39 −6.68 −24.8	0040 E05 28.44 −16.55 −23.7	0049 F05 34.5 −25.7 −18.42	0058 G05 40.55 −34.84 −13.14	0067 H05 46.61 −43.99 −7.87	0076 I05 52.66 −53.13 −2.59	0085 J05 11.86 27.41 −22.24	0094 K05 17.9 17.19 −21.08	0103 L05 23.16 7.32 −19.98	0112 M05 28.21 −2.54 −18.88	0121 N05 33.26 −12.41 −17.77	0130 O05 39.31 −21.56 −12.5	0139 P05 45.37 −30.71 −7.22	0148 Q05 51.42 −39.86 −1.94	0157 R05 57.47 −49.0 3.32	0166 S05 15.47 21.72 −16.21	0175 T05 21.72 21.69 −14.05	0184 U05 27.97 11.46 −12.95	0193 V05 34.22 1.59 −11.85	0202 W05 40.47 −8.27 −6.57	0211 X05 46.73 −17.42 −1.3	0220 Y05 50.18 −26.57 3.97	0229 Z05 55.24 −35.72 9.24	0238 a05 60.29 −44.86 14.52	0733 b05 76.13 −16.55 −12.41	0742 c05 69.03 −12.41 −8.27	0751 d05 61.92 −8.27 −4.13	0760 e05 54.81 −4.13 0.0	0769 f05 47.71 0.0 9.44	0778 g05 41.42 8.92 18.88	0787 h05 35.14 17.84 28.32	0796 i05 28.85 26.76 37.77	0805 j05 22.58 35.68 47.2	0976 k05 47.71 0.0 −0.01	0985 l05 47.71 0.0 −0.01	0994 m05 47.71 0.0 −0.01	1003 n05 47.71 0.0 −0.01
06	0005 A06 10.31 28.64 −35.13	0014 B06 15.35 18.78 −34.03	0023 C06 20.4 8.91 −32.93	0032 D06 25.45 −0.95 −31.82	0041 E06 30.5 −10.82 −30.72	0050 F06 35.55 −20.69 −29.62	0059 G06 41.61 −29.83 −24.35	0068 H06 47.66 −38.98 −19.07	0077 I06 53.71 −48.12 −13.8	0086 J06 13.91 33.14 −29.27	0095 K06 20.17 23.41 −28.11	0104 L06 25.22 13.05 −27.0	0113 M06 30.27 3.18 −25.9	0122 N06 35.32 −6.68 −24.8	0131 O06 40.37 −16.55 −23.7	0140 P06 46.42 −25.7 −18.42	0149 Q06 52.48 −34.85 −13.15	0158 R06 58.53 −43.99 −7.88	0167 S06 17.52 37.64 −23.4	0176 T06 23.78 27.42 −22.24	0185 U06 30.03 17.19 −21.08	0194 V06 35.08 7.32 −19.98	0203 W06 40.13 −2.54 −18.88	0212 X06 45.18 −12.41 −17.77	0221 Y06 51.24 −21.56 −12.5	0230 Z06 57.29 −30.71 −7.22	0239 a06 63.34 −39.85 −1.95	0734 b06 71.32 −20.69 −16.55	0743 c06 64.22 −16.55 −12.41	0752 d06 57.11 −12.41 −8.27	0761 e06 50.0 −8.27 −4.13	0770 f06 42.89 0.0 9.44	0779 g06 35.79 8.92 18.88	0788 h06 29.5 17.84 28.31	0797 i06 23.21 26.75 37.77	0806 j06 16.93 35.68 47.2	0977 k06 59.64 0.0 −0.01	0986 l06 59.64 0.0 −0.01	0995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
07	0006 A07 17.41 34.37 −42.15	0015 B07 21.47 24.51 −41.05	0024 C07 26.52 14.64 −39.95	0033 D07 31.57 4.77 −38.85	0042 E07 36.62 −5.09 −37.75	0051 F07 41.67 −14.96 −36.65	0060 G07 46.72 −24.82 −35.55	0069 H07 51.77 −33.97 −30.27	0078 I07 56.82 −43.11 −25.0	0087 J07 19.57 38.87 −36.29	0096 K07 23.62 28.65 −35.13	0105 L07 27.67 18.78 −34.03	0114 M07 31.72 8.91 −32.93	0123 N07 35.77 −0.95 −31.83	0132 O07 39.82 −10.82 −30.73	0141 P07 43.87 −20.69 −29.63	0150 Q07 47.92 −29.84 −24.35	0159 R07 51.97 −38.98 −19.08	0168 S07 19.63 43.37 −30.43	0177 T07 25.88 33.15 −29.27	0186 U07 32.13 22.92 −28.11	0195 V07 38.38 12.05 −27.0	0204 W07 44.63 3.18 −25.9	0213 X07 50.88 −6.68 −24.8	0222 Y07 55.92 −16.55 −23.7	0231 Z07 58.31 −25.7 −18.42	0240 a07 64.56 −34.84 −13.15	0735 b07 66.5 −24.82 −20.69	0744 c07 59.4 −20.69 −16.55	0753 d07 52.29 −16.55 −12.41	0762 e07 45.18 −12.41 −8.27	0771 f07 38.07 −8.27 −4.13	0780 g07 30.96 −4.13 0.0	0789 h07 23.86 0.0 9.44	0798 i07 16.77 8.92 18.87	0807 j07 9.68 17.84 28.32	0978 k07 71.56 0.0 −0.01	0987 l07 71.56 0.0 −0.01	0996 m07 71.56 0.0 −0.01	1005 n07 71.56 0.0 −0.01
08	0007 A08 14.42 40.1 −49.18	0016 B08 19.47 30.24 −48.08	0025 C08 24.52 20.37 −46.98	0034 D08 29.57 10.5 −45.88	0043 E08 34.62 0.63 −44.78	0052 F08 39.67 −9.21 −43.68	0061 G08 44.72 −19.09 −42.58	0070 H08 49.77 −28.96 −41.47	0079 I08 54.82 −38.1 −36.2	0088 J08 18.03 44.64 −43.32	0097 K08 22.08 34.38 −42.16	0106 L08 26.13 24.12 −41.06	0115 M08 30.18 14.04 −39.96	0124 N08 34.23 4.7 −38.86	0133 O08 38.28 −5.09 −37.76	0142 P08 42.33 −14.96 −36.65	0151 Q08 46.38 −24.83 −35.55	0160 R08 50.43 −34.7 −30.28	0169 S08 21.64 27.89 −37.45	0178 T08 27.89 18.65 −36.29	0187 U08 34.15 8.29 −35.13	0196 V08 40.4 −1.31 −34.03	0205 W08 46.65 −10.82 −32.93	0214 X08 52.89 −20.69 −31.83	0223 Y08 59.14 −30.73 −30.73	0232 Z08 65.39 −40.77 −29.63	0241 a08 71.64 −50.84 −24.35	0736 b08 61.69 −28.96 −41.47	0745 c08 54.58 −24.83 −35.55	0754 d08 47.48 −20.69 −29.63	0763 e08 40.37 −16.55 −23.7	0772 f08 33.26 −12.41 −17.77	0781 g08 26.15 −8.27 −11.85	0790 h08 19.04 −4.13 −5.92	0799 i08 11.94 0.0 −0.01	0808 j08 4.85 9.44 9.43	0979 k08 83.49 0.0 −0.01	0988 l08 83.49 0.0 −0.01	0997 m08 83.49 0.0 −0.01	1006 n08 83.49 0.0 −0.01
09	0008 A09 16.48 45.83 −55.1	0017 B09 21.53 35.96 −54.0	0026 C09 26.58 26.1 −52.9	0035 D09 31.63 16.23 −51.8	0044 E09 36.68 6.36 −50.7	0053 F09 41.73 −3.5 −49.6	0062 G09 46.78 −13.37 −48.5	0071 H09 51.83 −23.24 −47.4	0080 I09 56.87 −33.1 −46.3	0089 J09 20.09 52.24 −55.0	0098 K09 24.13 40.1 −53.9	0107 L09 28.16 30.23 −52.8	0116 M09 32.19 20.36 −51.8	0125 N09 36.22 10.49 −50.7	0134 O09 40.25 0.63 −49.6	0143 P09 44.28 −9.23 −48.5	0152 Q09 48.31 −19.1 −47.4	0161 R09 52.34 −28.96 −41.47	0170 S09 23.7 54.82 −44.48	0179 T09 29.95 44.6 −43.32	0188 U09 36.21 34.37 −42.15	0197 V09 42.46 24.5 −41.05	0206 W09 48.71 14.63 −39.95	0215 X09 54.96 4.76 −38.85	0224 Y09 61.21 −5.1 −37.75	0233 Z09 67.46 −14.96 −36.65	0242 a09 73.71 −24.82 −35.55	0737 b09 56.87 −33.1 −42.15	0746 c09 49.77 −28.96 −47.4	0755 d09 42.66 −24.83 −41.47	0764 e09 35.55 −20.69 −35.55	0773 f09 28.44 −16.55 −29.62	0782 g09 21.34 −12.41 −23.7	0791 h09 14.23 −8.27 −17.77	0800 i09 7.12 −4.13 −11.84	0809 j09 0.02 0.0 −5.92	0980 k09 95.4 0.0 −0.01	0989 l09 95.4 0.0 −0.01	0998 m09 95.4 0.0 −0.01	1007 n09 95.4 0.0 −0.01
10	0243 A10 16.93 26.75 28.31	0252 B10 22.56 16.51 31.31	0261 C10 28.2 6.27 34.31	0270 D10 33.83 −3.97 37.3	0279 E10 39.49 −13.12 42.58	0288 F10 45.14 −22.27 47.85	0297 G10 50.8 −31.42 53.13	0306 H10 56.45 −40.56 58.41	0315 I10 62.1 −49.71 63.68	0324 J10 33.3 28.21 37.76	0333 K10 37.33 33.84 40.75	0342 L10 41.36 19.49 43.75	0351 M10 45.39 4.94 46.74	0360 N10 49.42 −5.29 49.74	0369 O10 53.45 −14.44 55.02	0378 P10 57.48 −23.59 60.29	0387 Q10 61.52 −32.74 65.57	0396 R10 65.55 −41.88 70.84	0405 S10 28.22 44.59 47.2	0414 T10 33.85 34.36 50.19	0423 U10 39.48 24.11 53.19	0432 V10 45.12 13.86 56.19	0441 W10 50.75 3.62 59.18	0450 X10 56.39 −6.62 62.18	0459 Y10 62.04 −15.77 67.46	0468 Z10 68.5 −24.92 72.73	0477 a10 74.55 −34.06 78.0	0810 b10 91.5 −7.94 −0.01	0819 c10 85.4 −1.32 −2.64	0828 d10 79.4 9.1 −3.97 24.86	0837 e10 73.45 19.35 −5.29 37.3	0846 f10 67.5 29.6 −6.62 49.74	0855 g10 61.55 39.85 −7.94 62.18	0864 h10 75.2 49.5 −9.27 74.62	0873 i10 89.45 59.15 −10.59 87.06	0882 j10 103.7 68.8 −11.92 99.49	1008 k10 0.02 0.0 −0.01	1024 l10 0.02 0.0 −0.01	1040 m10 0.02 0.0 −0.01	1056 n10 0.02 0.0 −0.01
11	0244 A11 23.21 28.06 17.72	0253 B11 28.25 17.84 18.88	0262 C11 33.28 7.59 24.87	0271 D11 38.31 −2.65 30.15	0280 E11 43.34 −12.29 35.43	0289 F11 48.36 −21.94 40.7	0298 G11 53.38 −31.59 45.98	0307 H11 58.4 −41.25 51.25	0316 I11 63.41 −50.9 56.51	0325 J11 38.5 27.16 38.32	0334 K11 42.53 28.26 31.32	0343 L11 46.55 26.76 33.32	0352 M11 50.57 16.51 37.31	0361 N11 54.59 6.27 42.59	0370 O11 58.61 −3.97 47.86	0379 P11 62.63 −13.12 53.14	0388 Q11 66.65 −22.27 58.41	0397 R11 70.67 −31.42 58.41	0406 S11 34.6 45.9 36.6	0415 T11 40.8 35.68 37.77	0424 U11 46.95 25.43 40.76	0433 V11 53.1 15.19 43.76	0442 W11 59.25 4.94 46.75	0451 X11 65.4 −5.3 49.75	0460 Y11 71.55 −14.44 55.03	0469 Z11 77.7 −23.59 60.3	0478 a11 83.85 −32.73 65.57	0811 b11 85.54 5.72 −7.02	0820 c11 83.49 0.0 −0.01	0829 d11 81.45 −5.72 −1.32 12.43	0838 e11 79.41 −11.44 −2.65 24.87	0847 f11 77.36 −17.16 −3.97 37.3	0856 g11 75.32 −22.88 −5.29 49.75	0865 h11 73.28 −28.6 −6.62 62.19	0874 i11 71.23 −34.32 −7.94 74.63	0883 j11 69.19 −40.04 −9.27 87.06	1009 k11 0.0 0.0 −0.01	1025 l11 0.0 0.0 −0.01	1041 m11 0.0 0.0 −0.01	1057 n11 0.0 0.0 −0.01
12	0245 A12 16.99 29.37 7.12	0254 B12 23.24 19.15 8.28	0263 C12 29.5 8.92 9.44	0272 D12 35.13 −1.32 12.43	0281 E12 41.19 −10.47 17.71	0290 F12 47.24 −19.62 22.99	0299 G12 53.3 −28.77 28.26	0308 H12 59.35 −37.92 33.54	0317 I12 65.4 −47.06 38.81	0326 J12 22.63 38.29 16.56	0335 K12 24.64 28.07 17.72	0344 L12 26.65 17.84 18.88	0353 M12 28.67 7.59 21.88	0362 N12 30.68 −2.65 24.87	0371 O12 32.69 −12.4 30.15	0380 P12 34.7 −21.55 35.43	0389 Q12 36.72 −30.69 40.7	0398 R12 38.73 −39.83 45.97	0407 S12 24.6 34.52 26.0	0416 T12 30.8 40.78 26.96	0425 U12 37.05 46.41 26.76	0434 V12 43.3 52.05 16.5	0443 W12 49.55 57.68 7.27	0452 X12 55.8 63.74 −2.02	0461 Y12 62.05 69.79 −11.3	0470 Z12 68.3 75.85 −20.54	0479 a12 74.55 81.9 −30.08	0812 b12 75.67 71.45 −4.14	0821 c12 73.61 5.73 −7.02	0830 d12 71.56 −1.32 −0.01	0839 e12 69.51 −8.25 12.43	0848 f12 67.46 −15.17 24.87	0857 g12 65.42 −22.27 37.31	0866 h12 63.37 −31.44 49.75	0875 i12 61.32 −40.61 62.19	0884 j12 59.28 −49.77 74.62	1010 k12 12.73 0.0 −0.01	1026 l12 12.73 0.0 −0.01	1042 m12 12.73 0.0 −0.01	1058 n12 12.73 0.0 −0.01
13	0246 A13 17.02 30.68 −3.48	0255 B13 23.27 20.46 −2.32	0264 C13 29.52 10.23 −1.16	0273 D13 35.79 0.0 −0.01	0282 E13 42.04 −9.14 5.27	0291 F13 48.29 −18.29 10.55	0300 G13 54.55 −27.44 15.82	0309 H13 60.8 −36.59 21.1	0318 I13 67.05 −45.73 26.37	0327 J13 22.66 39.6 5.95	0336 K13 24.68 29.38 −1.32	0345 L13 26.69 19.15 8.28	0354 M13 28.71 8.92 9.44	0363 N13 30.72 −1.32 12.43	0372 O13 32.73 −10.47 17.71	0381 P13 34.75 −19.62 22.99	0390 Q13 36.76 −28.77 28.26	0399 R13 38.77 −37.91 33.53	0408 S13 28.3 48.52 15.4	0417 T13 34.55 38.3 16.56	0426 U13 40.81 28.07 17.72	0435 V13 47.06 17.84 18.88	0444 W13 53.32 7.59 21.88	0453 X13 59.57 −2.65 24.87	0462 Y13 65.82 −11.79 30.15	0471 Z13 72.08 −20.94 35.43	0480 a13 78.33 −30.08 40.7	0813 b13 77.68 65.8 −5.53	0822 c13 75.63 63.75 −7.02	0831 d13 73.58 61.69 −0.01	0840 e13 71.54 59.64 12.43	0849 f13 69.49 58.98 24.87	0858 g13 67.44 58.33 37.31	0867 h13 65.39 57.68 49.75	0876 i13 63.35 57.03 62.19	0885 j13 61.3 56.39 74.62	1011 k13 19.09 0.0 −0.01	1027 l13 19.09 0.0 −0.01	1043 m13 19.09 0.0 −0.01	1059 n13 19.09 0.0 −0.01
14	0247 A14 19.08 36.41 −10.51	0256 B14 25.33 26.19 −9.35	0265 C14 31.58 15.96 −8.18	0274 D14 37.84 5.73 −7.02	0283 E14 42.89 −4.13 −5.92	0292 F14 48.94 −13.28 −0.65	0301 G14 55.0 −22.43 4.62	0310 H14 61.05 −31.58 9.9	0319 I14 67.1 −40.72 15.17	0328 J14 22.69 40.94 −3.48	0337 K14 24.69 30.69 −2.32	0346 L14 26.69 20.46 −1.16	0355 M14 28.69 10.23 −0.01	0364 N14 30.69 0.0 5.27	0373 O14 32.68 −9.14 10.55	0382 P14 34.68 −18.29 15.82	0391 Q14 36.68 −27.44 21.1	0400 R14 38.68 −36.58 26.37	0409 S14 28.33 49.83 29.3	0418 T14 34.58 39.61 29.38	0427 U14 40.83 29.38 15.9	0436 V14 47.09 19.15 8.28	0445 W14 53.34 8.92 9.44	0454 X14 59.58 −1.32 12.43	0463 Y14 65.84 −10.47 17.71	0472 Z14 72.09 −19.62 22.99	0481 a14 78.34 −28.76 28.26	0814 b14 55.94 22.91 −28.1	0823 c14 53.88 17.19 −21.08	0832 d14 51.82 11.46 −14.05	0841 e14 49.76 5.73 −7.02	0850 f14 47.71 0.0 −0.01	0859 g14 45.66 −5.73 12.43	0868 h14 43.6 −11.46 24.87	0877 i14 41.55 −17.19 37.31	0886 j14 39.51 −22.92 49.75	1012 k14 25.45 0.0 −0.01	1028 l14 25.45 0.0 −0.01	1044 m14 25.45 0.0 −0.01	1060 n14 25.45 0.0 −0.01
15	0248 A15 20.27 42.14 −17.53	0257 B15 27.39 32.91 −16.37	0266 C15 34.51 23.68 −15.21	0275 D15 41.63 14.45 −14.05	0284 E15 48.75 5.23 −12.95	0293 F15 55.87 −4.09 −11.85	0302 G15 62.99 −13.25 −6.57	0311 H15 70.11 −22.41 −1.3	0320 I15 77.23 −31.57 3.97	0329 J15 22.72 44.74 −11.67	0338 K15 24.74 36.42 −10.51	0347 L15 26.75 26.19 −9.35	0356 M15 28.77 15.96 −8.18	0365 N15 30.78 5.73 −7.02	0374 O15 32.79 −4.13 −5.92	0383 P15 34.81 −13.28 −0.65	0392 Q15 36.82 −22.43 4.62	0401 R15 38.84 −31.57 9.89	0410 S15 30.41 51.14 −5.8	0419 T15 36.66 40.92 −4.64	0428 U15 42.92 30.69 −3.48	0437 V15 49.18 20.46 −2.32	0446 W15 55.43 10.23 −1.16	0455 X15 61.69 0.0 −0.01	0464 Y15 67.94 −9.14 5.27	0473 Z15 74.2 −18.29 10.55	0482 a15 80.45 −27.44 15.82	0815 b15 78.42 44.02 28.64	0824 c15 77.38 42.96 22.92	0833 d15 76.34 41.89 17.19	0842 e15 75.3 40.83 11.46	0851 f15 74.26 39.77 5.73	0860 g15 73.22 38.71 0.0	0869 h15 72.18 37.65 −5.73	0878 i15 71.14 36.59 −11.46	0887 j15 70.1 35.53 −17.19	1013 k15 31.81 0.0 −0.01	1029 l15 31.81 0.0 −0.01	1045 m15 31.81 0.0 −0.01	1061 n15 31.81 0.0 −0.01
16	0249 A16 22.46 47.87 −24.56	0258 B16 29.44 37.63 −23.4	0267 C16 36.42 27.42 −22.24	0276 D16 43.41 17.19 −21.08	0285 E16 50.39 7.0 −19.98	0294 F16 57.37 −3.24 −18.88	0303 G16 64.35 −12.41 −17.77	0312 H16 71.33 −21.56 −12.5	0321 I16 78.32 −30.7 −7.23	0330 J16 22.7 −18.69 −17.53	0339 K16 24.71 47.88 −16.37	0348 L16 26.73 37.25 −15.21	0357 M16 28.74 26.62 −14.05	0366 N16 30.75 16.39 −12.95	0375 O16 32.76 6.17 −11.85	0384 P16 34.77 −4.06 −6.57	0393 Q16 36.78 −14.29 −1.3	0402 R16 38.79 −24.43 4.62	0411 S16 30.48 52.62 −12.83	0420 T16 36.66 42.84 −11.67	0429 U16 42.85 33.07 −10.51	0438 V16 49.04 23.29 −9.35	0447 W16 55.23 13.52 −8.18	0456 X16 61.42 3.75 −7.02	0465 Y16 67.61 −6.02 −5.92	0474 Z16 73.8 −15.78 −0.65	0483 a16 80.00 −25.53 4.62	0816 b16 36.21 44.92 −35.13	0825 c16 34.15 44.37 −28.11	0834 d16 32.09 43.81 −21.08	0843 e16 30.03 43.25 −14.05	0852 f16 27.97 42.69 −7.02	0861 g16 25.91 42.13 0.0	0870 h16 23.86 41.57 7.02	0879 i16 21.8 41.01 14.05	0888 j16 19.74 40.45 21.08	1014 k16 58.17 0.0 −0.01	1030 l16 58.17 0.0 −0.01	1046 m16 58.17 0.0 −0.01	1062 n16 58.17 0.0 −0.01
17	0250 A17 25.25 53.86 −31.59	0259 B17 31.5 43.38 −30.43	0268 C17 37.76 33.15 −29.27	0277 D17 44.02 22.92 −28.11	0286 E17 49.07 13.05 −27.0	0295 F17 54.12 3.18 −25.9	0304 G17 59.17 −6.68 −24.8	0313 H17 64.22 −16.55 −23.7	0322 I17 70.27 −26.57 −18.42	0331 J17 28.86 35.11 −22.24	0340 K17 31.41 47.88 −21.08	0349 L17 33.97 37.65 −19.98	0358 M17 36.52 27.42 −18.88	0367 N17 39.08 17.19 −17.77	0376 O17 41.63 7.0 −16.67	0385 P17 44.19 −3.24 −15.56	0394 Q17 46.74 −13.47 −12.5	0403 R17 49.30 −23.7 −19.86	0412 S17 42.1 38.35 −18.7	0421 T17 47.2 34.61 −17.53	0430 U17 52.3 30.87 −16.37	0439 V17 57.4 27.13 −15.21	0448 W17 62.5 23.39 −14.05	0457 X17 67.6 19.65 −12.95	0466 Y17 72.7 15.91 −11.85	0475 Z17 77.8 12.17 −6.57	0484 a17 82.9 8.43 −1.3	0817 b17 40.1 26.34 −41.67	0826 c17 38.4 24.28 −35.13	0835 d17 36.7 22.22 −28.11	0844 e17 35.0 20.17 −21.08	0853 f17 33.3 18.11 −14.05	0862 g17 31.6 16.05 −7.02	0871 h17 29.9 13.99 0.0	0880 i17 28.2 11.94 7.02	0889 j17 26.5 9.88 14.05	1015 k17 44.53 0.0 −0.01	1031 l17 44.53 0.0 −0.01	1047 m17 44.53 0.0 −0.01	1063 n17 44.53 0.0 −0.01
18	0251 A18 27.31 59.33 −38.61	0260 B18 33.56 49.1 −37.45	0269 C18 39.82 38.87 −36.29	0278 D18 46.08 28.64 −35.13	0287 E18 52.35 18.77 −32.92	0296 F18 58.61 8.9 −31.82	0305 G18 64.87 −0.96 −30.72	0314 H18 71.13 −10.82 −29.62	0323 I18 77.39 −20.94 −32.74	0332 J18 32.8 63.83 −32.74	0341 K18 35.37 53.6 −31.58	0350 L18 37.43 43.37 −30.42	0359 M18 39.48 33.14 −29.26	0368 N18 41.54 22.91 −28.1	0377 O18 43.59 13.04 −27.0	0386 P18 45.65 3.17 −25.9	0395 Q18 47.7 −6.69 −24.8	0404 R18 49.76 −16.55 −23.7	0413 S18 38.53 58.33 −26.88	0422 T18 44.78 48.61 −25.72	0431 U18 51.03 38.87 −24.56	0440 V18 57.28 29.13 −23.39	0449 W18 63.53 19.39 −22.23	0458 X18 69.78 9.65 −21.07	0467 Y18 76.03 −0.09 −19.97	0476 Z18 82.28 −9.83 −18.81	0485 a18 88.53 −19.57 −17.77	0818 b18 50.8 70.85 −5.9	0827 c18 48.6 70.85 −2.55 −18.81	0836 d18 46.4 70.85 −12.41 −17.77	0845 e18 44.2 70.85 −22.27 −16.73	0854 f18 42.0 70.85 −32.13 −15.69	0863 g18 39.8 70.85 −41.99 −14.64	0872 h18 37.6 70.85 −51.85 −13.6	0881 i18 35.4 70.85 −61.71 −12.56	0890 j18 33.2 70.85 −71.57 −11.52	1016 k18 50.89 0.0 −0.01	1032 l18 50.89 0.0 −0.01	1048 m18 50.89 0.0 −0.01	1064 n18 50.89 0.0 −0.01
19	0486 A19 33.86 53.52 −56.64	0495 B19 39.49 43.28 59.64	0504 C19 45.12 33.03 62.63	0513 D19 50.76 22.78 65.63	0522 E19 56.39 12.54 68.63	0531

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	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	l	m	n
01	0000 A01 0.02 0.0 −0.01	0009 B01 6.06 −9.14 5.27	0018 C01 12.12 −18.29 10.54	0027 D01 18.17 −27.43 15.82	0036 E01 24.23 −36.58 21.1	0045 F01 30.28 −45.73 26.37	0054 G01 36.34 −54.88 31.65	0063 H01 42.39 −64.03 36.92	0072 I01 48.44 −73.17 42.2	0081 J01 5.65 8.91 0.43	0090 K01 11.28 −1.32 12.42	0099 L01 17.34 −10.47 17.7	0108 M01 23.39 −19.62 22.98	0117 N01 29.45 −28.77 28.25	0126 O01 35.5 −37.91 33.53	0135 P01 41.56 −47.06 38.81	0144 Q01 47.61 −56.21 44.08	0153 R01 53.66 −65.35 49.35	0162 S01 11.29 17.83 18.87	0171 T01 16.92 7.59 11.87	0180 U01 22.56 −2.64 24.86	0189 V01 28.61 −11.79 30.14	0198 W01 34.67 −20.94 35.42	0207 X01 40.72 −30.09 40.69	0216 Y01 46.78 −39.24 45.97	0225 Z01 52.83 −48.39 51.24	0234 a01 58.88 −57.53 56.52	0243 b01 95.4 0.0 −0.01	0252 c01 89.12 8.91 0.43	0261 d01 82.83 17.83 18.87	0270 e01 76.55 26.75 28.31	0279 f01 70.27 35.67 37.76	0288 g01 63.98 44.59 47.2	0297 h01 57.7 53.52 56.64	0306 i01 51.41 62.44 66.08	0315 j01 45.14 71.35 75.52	0324 k01 0.02 0.0 −0.01	0333 l01 0.02 0.0 −0.01	0342 m01 0.02 0.0 −0.01
02	0001 A02 2.07 5.72 −7.02	0010 B02 7.12 −4.13 −5.92	0019 C02 13.17 −13.28 −0.64	0028 D02 19.23 −22.43 4.63	0037 E02 25.28 −31.58 9.9	0046 F02 31.34 −40.73 15.18	0055 G02 37.39 −49.87 20.45	0064 H02 43.45 −59.02 25.73	0073 I02 49.5 −68.16 31.0	0082 J02 5.68 10.22 −1.16	0091 K02 11.94 0.0 −0.01	0100 L02 17.99 −9.14 5.27	0109 M02 24.04 −18.29 10.55	0118 N02 30.1 −27.44 15.82	0127 O02 36.15 −36.59 21.1	0136 P02 42.21 −45.74 26.38	0145 Q02 48.26 −54.89 31.65	0154 R02 54.31 −64.03 36.92	0163 S02 11.32 19.14 8.28	0172 T02 17.37 8.92 9.44	0181 U02 23.21 −1.32 12.43	0190 V02 29.26 −10.47 17.71	0199 W02 35.32 −19.62 22.99	0208 X02 41.37 −28.77 28.26	0217 Y02 47.43 −37.92 33.54	0226 Z02 53.48 −47.06 38.82	0235 a02 59.53 −56.21 44.09	0730 b02 90.58 −4.13 −5.92	0739 c02 83.49 0.0 −0.01	0748 d02 77.2 8.92 9.44	0757 e02 70.91 17.84 18.88	0766 f02 64.63 26.76 28.32	0775 g02 58.35 35.68 37.77	0784 h02 52.06 44.6 47.21	0793 i02 45.78 53.52 56.65	0802 j02 39.5 62.44 66.08	0973 k02 11.94 0.0 −0.01	0982 l02 11.94 0.0 −0.01	0991 m02 11.94 0.0 −0.01	1000 n02 11.94 0.0 −0.01
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04	0003 A04 6.19 17.18 −21.07	0012 B04 11.24 7.32 −19.97	0021 C04 16.29 −2.54 −18.87	0030 D04 21.34 −12.41 −17.77	0039 E04 27.39 −21.56 −12.49	0048 F04 33.45 −30.71 −7.22	0057 G04 39.5 −39.85 −1.94	0066 H04 45.56 −49.0 3.33	0075 I04 51.61 −58.14 8.6	0084 J04 9.8 11.46 −15.21	0093 K04 16.05 1.59 −14.05	0102 L04 21.1 −12.95	0111 M04 26.15 −8.27 −11.85	0120 N04 32.2 −17.42 −6.57	0129 O04 38.26 −26.57 −1.3	0138 P04 44.31 −35.72 3.97	0147 Q04 50.37 −44.87 9.25	0156 R04 56.42 −54.01 14.52	0165 S04 13.41 26.18 −9.34	0174 T04 19.66 15.96 −8.18	0183 U04 25.91 5.73 −7.02	0192 V04 30.96 −4.13 −5.92	0201 W04 37.02 −13.28 −0.65	0210 X04 43.07 −22.43 4.62	0219 Y04 49.13 −31.58 9.9	0228 Z04 55.18 −40.73 15.17	0237 a04 61.23 −49.87 20.45	0732 b04 80.95 −19.1 −17.77	0741 c04 73.85 −12.41 −11.85	0750 d04 66.74 −5.62 −5.92	0759 e04 59.64 0.0 −0.01	0768 f04 53.35 8.92 9.44	0777 g04 47.06 17.84 18.88	0786 h04 40.78 26.76 28.32	0795 i04 34.5 35.68 37.77	0804 j04 28.22 44.59 47.2	0975 k04 35.79 0.0 −0.01	0984 l04 35.79 0.0 −0.01	0993 m04 35.79 0.0 −0.01	1002 n04 35.79 0.0 −0.01
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06	0005 A06 10.31 28.64 −35.13	0014 B06 15.35 18.78 −34.03	0023 C06 20.4 8.91 −32.93	0032 D06 25.45 −0.95 −31.82	0041 E06 30.5 −10.82 −30.72	0050 F06 35.55 −20.69 −29.62	0059 G06 41.61 −29.83 −24.35	0068 H06 47.66 −38.98 −19.07	0077 I06 53.71 −48.12 −13.8	0086 J06 13.91 −29.27	0095 K06 20.17 −28.11	0104 L06 25.22 −27.0	0113 M06 30.27 13.05 −25.9	0122 N06 35.32 3.18 −24.8	0131 O06 40.37 −6.68 −23.7	0140 P06 46.42 −16.55 −18.42	0149 Q06 52.48 −25.7 −13.15	0158 R06 58.53 −34.85 −7.88	0167 S06 17.52 −23.4	0176 T06 23.78 −22.24	0185 U06 30.03 27.42 −21.08	0194 V06 35.08 17.19 −19.98	0203 W06 40.13 7.32 −18.88	0212 X06 45.18 −2.54 −17.77	0221 Y06 51.24 −12.5 −12.5	0230 Z06 57.29 −22.1 −7.22	0239 a06 63.34 −31.71 −1.95	0734 b06 71.32 −20.69 −29.62	0743 c06 64.22 −16.55 −23.7	0752 d06 57.11 −12.41 −17.77	0761 e06 50.0 −8.27 −11.85	0770 f06 42.89 −4.13 −5.92	0779 g06 35.79 0.0 −0.01	0788 h06 29.5 8.92 9.44	0797 i06 23.21 17.84 18.88	0806 j06 16.93 26.75 28.31	0977 k06 59.64 0.0 −0.01	0986 l06 59.64 0.0 −0.01	0995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
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14	0247 A14 19.08 36.41 −10.51	0256 B14 25.33 26.19 −9.35	0265 C14 31.58 15.96 −8.18	0274 D14 37.84 5.73 −7.02	0283 E14 42.89 −4.13 −5.92	0292 F14 48.94 −13.28 −0.65	0301 G14 55.0 −22.43 4.62	0310 H14 61.05 −31.58 9.9	0319 I14 67.1 −40.72 15.17	0328 J14 22.69 46.64 −4.64	0337 K14 28.94 36.42 −3.48	0346 L14 35.19 26.19 −2.32	0355 M14 41.45 15.96 −1.16	0364 N14 47.71 5.73 −0.01	0373 O14 53.76 −9.14 5.27	0382 P14 59.82 −18.29 10.55	0391 Q14 65.87 −27.44 15.82	0400 R14 71.92 −36.58 21.1	0409 S14 28.33 49.83 4.79	0418 T14 34.58 39.69 5.95	0427 U14 40.83 29.38 7.12	0436 V14 47.09 19.15 8.28	0445 W14 53.35 9.42 9.44	0454 X14 58.98 −0.34 12.43	0463 Y14 64.65 −10.47 17.71	0472 Z14 71.09 −19.62 22.99	0481 a14 77.44 −28.76 28.26	0814 b14 55.94 22.91 −28.1	0823 c14 53.88 17.19 −21.08	0832 d14 51.82 11.46 −14.05	0841 e14 49.76 5.73 −7.02	0850 f14 47.71 0.0 −0.01	0859 g14 47.06 −1.32 12.43	0868 h14 46.41 −2.65 24.87	0877 i14 45.76 −3.97 37.31	0886 j14 45.11 −5.29 49.74	1012 k14 25.45 0.0 −0.01	1028 l14 25.45 0.0 −0.01	1044 m14 25.45 0.0 −0.01	1060 n14 25.45 0.0 −0.01
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	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	l	m	n
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02	0001 A02 2.07 5.72 −7.02	0010 B02 7.12 −4.13 −5.92	0019 C02 13.17 −13.28 −0.64	0028 D02 19.23 −22.43 4.63	0037 E02 25.28 −31.58 9.9	0046 F02 31.34 −40.73 15.18	0055 G02 37.39 −49.87 20.45	0064 H02 43.45 −59.02 25.73	0073 I02 49.5 −68.16 31.0	0082 J02 5.68 10.22 −1.16	0091 K02 11.94 0.0 −0.01	0100 L02 17.99 −9.14 5.27	0109 M02 24.04 −18.29 10.55	0118 N02 30.1 −27.44 15.82	0127 O02 36.15 −36.59 21.1	0136 P02 42.21 −45.74 26.38	0145 Q02 48.26 −54.89 31.65	0154 R02 54.31 −64.03 36.92	0163 S02 11.32 19.14 8.28	0172 T02 17.37 8.92 9.44	0181 U02 23.21 −1.32 12.43	0190 V02 29.26 −10.47 17.71	0199 W02 35.32 −19.62 22.99	0208 X02 41.37 −28.77 28.26	0217 Y02 47.43 −37.92 33.54	0226 Z02 53.48 −47.06 38.82	0235 a02 59.53 −56.21 44.09	0730 b02 90.58 −4.13 −5.92	0739 c02 83.49 0.0 −0.01	0748 d02 77.2 8.92 9.44	0757 e02 70.91 17.84 18.88	0766 f02 64.63 26.76 28.32	0775 g02 58.35 35.68 37.77	0784 h02 52.06 44.6 47.21	0793 i02 45.78 53.52 56.65	0802 j02 39.5 62.44 66.08	0973 k02 11.94 0.0 −0.01	0982 l02 11.94 0.0 −0.01	0991 m02 11.94 0.0 −0.01	1000 n02 11.94 0.0 −0.01
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04	0003 A04 6.19 17.18 −21.07	0012 B04 11.24 7.32 −19.97	0021 C04 16.29 −2.54 −18.87	0030 D04 21.34 −12.41 −17.77	0039 E04 27.39 −21.56 −12.49	0048 F04 33.45 −30.71 −7.22	0057 G04 39.5 −39.85 −1.94	0066 H04 45.56 −49.0 3.33	0075 I04 51.61 −58.14 8.6	0084 J04 9.8 11.46 −15.21	0093 K04 16.05 1.59 −14.05	0102 L04 21.1 −8.27 −12.95	0111 M04 26.15 −17.42 −11.85	0120 N04 32.2 −26.57 −6.57	0129 O04 38.26 −35.72 −1.3	0138 P04 44.31 −44.87 3.97	0147 Q04 50.37 −54.02 9.25	0156 R04 56.42 −64.17 14.52	0165 S04 13.41 26.18 −9.34	0174 T04 19.66 15.96 −8.18	0183 U04 25.71 5.73 −7.02	0192 V04 31.76 −4.13 −5.92	0201 W04 37.82 −13.28 −0.65	0210 X04 43.07 −22.43 4.62	0219 Y04 49.13 −31.58 9.9	0228 Z04 55.18 −40.73 15.17	0237 a04 61.23 −49.87 20.45	0732 b04 80.95 −12.41 −17.77	0741 c04 73.85 −8.27 −11.85	0750 d04 66.74 −4.13 −5.92	0759 e04 59.64 0.0 −0.01	0768 f04 53.35 8.92 9.44	0777 g04 47.06 17.84 18.88	0786 h04 40.78 26.76 28.32	0795 i04 34.5 35.68 37.77	0804 j04 28.22 44.59 47.2	0975 k04 35.79 0.0 −0.01	0984 l04 35.79 0.0 −0.01	0993 m04 35.79 0.0 −0.01	1002 n04 35.79 0.0 −0.01
05	0004 A05 8.25 22.91 −28.1	0013 B05 13.05 13.29 −27.0	0022 C05 13.28 18.34 −25.9	0031 D05 23.39 3.18 −24.8	0040 E05 28.44 −16.55 −23.7	0049 F05 34.5 −25.7 −18.42	0058 G05 40.55 −34.84 −13.14	0067 H05 46.61 −43.99 −7.87	0076 I05 52.66 −53.13 −2.59	0085 J05 11.86 27.41 −22.24	0094 K05 17.19 17.19 −21.08	0103 L05 22.24 7.32 −19.98	0112 M05 28.21 −2.54 −18.88	0121 N05 33.26 −12.41 −17.77	0130 O05 39.31 −21.56 −12.5	0139 P05 45.37 −30.71 −7.22	0148 Q05 51.42 −39.86 −1.94	0157 R05 57.47 −49.0 5.32	0166 S05 15.47 31.91 −16.47	0175 T05 21.72 21.69 −15.21	0184 U05 27.77 11.46 −14.05	0193 V05 33.02 1.59 −12.95	0202 W05 38.07 −8.27 −11.85	0211 X05 44.13 −17.42 −6.57	0220 Y05 50.18 −26.57 −1.3	0229 Z05 56.24 −35.72 3.97	0238 a05 62.29 −44.86 9.24	0733 b05 76.13 −16.55 −23.7	0742 c05 69.03 −12.41 −17.77	0751 d05 61.92 −8.27 −11.85	0760 e05 54.81 −4.13 −5.92	0769 f05 47.71 0.0 −0.01	0778 g05 41.42 8.92 9.44	0787 h05 35.14 17.84 18.88	0796 i05 28.85 26.76 28.32	0805 j05 22.58 35.67 37.76	0976 k05 47.71 0.0 −0.01	0985 l05 47.71 0.0 −0.01	0994 m05 47.71 0.0 −0.01	1003 n05 47.71 0.0 −0.01
06	0005 A06 10.31 28.64 −35.13	0014 B06 15.35 18.78 −34.03	0023 C06 20.4 8.91 −32.93	0032 D06 25.45 −0.95 −31.82	0041 E06 30.5 −10.82 −30.72	0050 F06 35.55 −20.69 −29.62	0059 G06 41.61 −29.83 −24.35	0068 H06 47.66 −38.98 −19.07	0077 I06 53.71 −48.12 −13.8	0086 J06 13.91 −29.27 −28.11	0095 K06 20.17 −18.29 −27.0	0104 L06 25.22 13.05 −27.0	0113 M06 30.27 3.18 −25.9	0122 N06 35.32 −6.68 −24.8	0131 O06 40.37 −16.55 −23.7	0140 P06 46.42 −25.7 −18.42	0149 Q06 52.48 −34.85 −13.15	0158 R06 58.53 −43.99 −7.88	0167 S06 17.52 37.64 −23.4	0176 T06 23.78 27.42 −22.24	0185 U06 30.03 17.19 −21.08	0194 V06 35.08 7.32 −19.98	0203 W06 40.13 −2.54 −18.88	0212 X06 45.18 −12.41 −17.77	0221 Y06 51.24 −21.56 −12.5	0230 Z06 57.29 −30.71 −7.22	0239 a06 63.34 −39.85 −1.95	0734 b06 71.32 −20.69 −29.62	0743 c06 64.22 −16.55 −23.7	0752 d06 57.11 −12.41 −17.77	0761 e06 50.0 −8.27 −11.85	0770 f06 42.89 −4.13 −5.92	0779 g06 35.79 0.0 −0.01	0788 h06 29.5 8.92 9.44	0797 i06 23.21 17.84 18.88	0806 j06 16.93 26.75 28.31	0977 k06 59.64 0.0 −0.01	0986 l06 59.64 0.0 −0.01	0995 m06 59.64 0.0 −0.01	1004 n06 59.64 0.0 −0.01
07	0006 A07 17.41 34.37 −42.15	0015 B07 21.37 24.51 −41.05	0024 C07 22.46 14.64 −39.95	0033 D07 27.51 4.77 −38.85	0042 E07 32.56 −5.09 −37.75	0051 F07 37.61 −14.96 −36.65	0060 G07 42.66 −24.82 −35.55	0069 H07 47.71 −33.97 −30.27	0078 I07 52.76 −43.11 −25.0	0087 J07 17.97 38.87 −36.29	0096 K07 22.22 28.65 −35.13	0105 L07 27.27 18.78 −34.03	0114 M07 32.32 8.91 −32.93	0123 N07 37.37 −0.95 −31.83	0132 O07 42.42 −10.82 −30.73	0141 P07 47.47 −20.69 −29.63	0150 Q07 52.52 −29.84 −24.35	0159 R07 57.57 −38.98 −19.08	0168 S07 43.58 43.37 −30.43	0177 T07 28.83 33.15 −29.27	0186 U07 32.91 22.92 −28.11	0195 V07 37.96 13.05 −27.0	0204 W07 42.97 3.18 −25.9	0213 X07 48.02 −6.68 −24.8	0222 Y07 53.07 −16.55 −23.7	0231 Z07 58.31 −25.7 −18.42	0240 a07 64.4 −34.84 −13.15	0735 b07 66.5 −24.82 −35.55	0744 c07 59.4 −20.69 −29.63	0753 d07 52.29 −16.55 −23.7	0762 e07 45.18 −12.41 −17.77	0771 f07 38.07 −8.27 −11.85	0780 g07 30.96 −4.13 −5.92	0789 h07 23.86 0.0 −0.01	0798 i07 17.57 8.92 9.44	0807 j07 11.29 17.83 18.87	0978 k07 71.56 0.0 −0.01	0987 l07 71.56 0.0 −0.01	0996 m07 71.56 0.0 −0.01	1005 n07 71.56 0.0 −0.01
08	0007 A08 14.42 40.1 −49.18	0016 B08 19.47 30.24 −48.08	0025 C08 24.52 20.37 −46.98	0034 D08 29.57 10.5 −45.88	0043 E08 34.62 0.63 −44.78	0052 F08 39.67 −9.21 −43.68	0061 G08 44.72 −19.28 −42.58	0070 H08 49.77 −28.96 −41.47	0079 I08 54.82 −38.1 −36.2	0088 J08 18.03 −43.32	0097 K08 24.28 34.38 −42.16	0106 L08 29.33 24.51 −41.06	0115 M08 34.38 14.64 −39.96	0124 N08 39.43 4.77 −38.86	0133 O08 44.48 −5.09 −37.76	0142 P08 49.53 −14.96 −36.65	0151 Q08 54.58 −24.83 −35.55	0160 R08 60.63 −33.97 −30.28	0169 S08 21.64 47.45 −37.45	0178 T08 27.89 38.88 −36.29	0187 U08 34.15 28.65 −35.13	0196 V08 39.2 18.78 −34.03	0205 W08 44.25 8.91 −32.93	0214 X08 49.3 −0.95 −31.83	0223 Y08 54.35 −10.82 −30.73	0232 Z08 59.4 −20.69 −29.63	0241 a08 65.45 −29.83 −24.35	0736 b08 61.69 −28.96 −41.47	0745 c08 54.58 −24.83 −35.55	0754 d08 47.47 −20.69 −29.63	0763 e08 40.37 −16.55 −23.7	0772 f08 33.26 −12.41 −17.77	0781 g08 26.15 −8.27 −11.85	0790 h08 19.04 −4.13 −5.92	0799 i08 11.94 0.0 −0.01	0808 j08 5.65 8.92 9.43	0979 k08 83.49 0.0 −0.01	0988 l08 83.49 0.0 −0.01	0997 m08 83.49 0.0 −0.01	1006 n08 83.49 0.0 −0.01
09	0008 A09 16.48 45.83 −56.1	0017 B09 21.53 35.96 −55.1	0026 C09 26.58 26.1 −54.0	0035 D09 31.63 16.23 −52.9	0044 E09 36.68 6.36 −51.8	0053 F09 41.73 −3.5 −50.7	0062 G09 46.78 −13.37 −49.6	0071 H09 51.83 −23.24 −48.5	0080 I09 56.87 −33.1 −47.4	0089 J09 20.09 30.32 −50.34	0098 K09 26.34 20.1 −49.18	0107 L09 31.39 10.23 −48.08	0116 M09 36.44 20.36 −46.98	0125 N09 41.49 10.49 −45.88	0134 O09 46.54 0.63 −44.78	0143 P09 51.59 −9.23 −43.68	0152 Q09 56.64 −19.1 −42.57	0161 R09 61.69 −28.96 −41.47	0170 S09 23.7 54.82 −44.48	0179 T09 29.95 44.6 −43.32	0188 U09 36.21 34.37 −42.15	0197 V09 41.26 24.5 −41.05	0206 W09 46.31 14.63 −39.95	0215 X09 51.36 4.76 −38.85	0224 Y09 56.41 −5.09 −37.75	0233 Z09 61.46 −14.96 −36.65	0242 a09 66.5 −24.82 −35.55	0737 b09 56.87 −33.1 −47.4	0746 c09 49.77 −28.96 −41.47	0755 d09 42.66 −24.82 −35.55	0764 e09 35.55 −20.69 −29.63	0773 f09 28.44 −16.55 −23.7	0782 g09 21.34 −12.41 −17.77	0791 h09 14.23 −8.27 −11.84	0800 i09 7.12 −4.13 −5.92	0809 j09 0.02 0.0 −0.01	0980 k09 95.4 0.0 −0.01	0989 l09 95.4 0.0 −0.01	0998 m09 95.4 0.0 −0.01	1007 n09 95.4 0.0 −0.01
10	0243 A10 16.93 26.75 28.31	0252 B10 22.56 16.51 31.31	0261 C10 28.2 6.27 34.31	0270 D10 33.83 −3.97 37.3	0279 E10 39.49 −13.12 42.58	0288 F10 45.14 −22.27 47.85	0297 G10 50.8 −31.42 53.13	0306 H10 56.45 −40.56 58.41	0315 I10 62.1 −49.71 63.68	0324 J10 22.58 35.67 37.76	0333 K10 28.21 25.43 40.75	0342 L10 33.84 15.19 43.75	0351 M10 39.48 4.94 46.74	0360 N10 45.11 −5.29 49.74	0369 O10 51.17 −14.44 55.02	0378 P10 57.22 −23.59 60.29	0387 Q10 63.28 −32.74 65.57	0396 R10 69.33 −41.88 70.84	0405 S10 28.22 44.59 47.2	0414 T10 33.85 34.36 50.19	0423 U10 39.48 24.11 53.19	0432 V10 45.12 13.86 56.19	0441 W10 50.75 3.62 59.18	0450 X10 56.39 −6.62 62.18	0459 Y10 62.44 −15.77 67.46	0468 Z10 68.5 −24.92 72.73	0477 a10 74.55 −34.06 78.0	0810 b10 95.4 0.0 −0.01	0819 c10 94.75 −1.32 12.42	0828 d10 94.1 −2.64 24.86	0837 e10 93.45 −3.97 37.3	0846 f10 92.8 −5.29 49.74	0855 g10 92.15 −6.62 62.18	0864 h10 91.5 −7.94 74.62	0873 i10 90.85 −9.27 87.06	0882 j10 90.21 −10.59 99.49	1008 k10 0.02 0.0 −0.01	1024 l10 0.02 0.0 −0.01	1040 m10 0.02 0.0 −0.01	1056 n10 0.02 0.0 −0.01
11	0244 A11 23.21 28.06 17.72	0253 B11 28.85 17.84 18.88	0262 C11 34.48 7.59 21.88	0271 D11 40.12 −2.65 24.87	0280 E11 45.76 −11.79 30.15	0289 F11 51.4 −20.94 35.43	0298 G11 57.04 −30.09 40.7	0307 H11 62.69 −39.23 45.98	0316 I11 68.33 −48.38 51.25	0325 J11 26.98 27.16	0334 K11 32.63 28.32	0343 L11 38.28 16.51 34.32	0352 M11 43.93 6.27 37.31	0361 N11 49.58 −3.97 42.59	0370 O11 55.23 −13.12 47.86	0379 P11 60.88 −22.27 53.14	0388 Q11 66.53 −31.42 58.41	0397 R11 72.18 −40.56 63.6	0406 S11 45.9 35.9 37.77	0415 T11 51.6 35.68 40.76	0424 U11 57.3 25.43 43.76	0433 V11 63.0 15.19 46.75	0442 W11 68.7 4.94 49.75	0451 X11 74.35 −5.3 55.03	0460 Y11 79.9 −14.44 60.3	0469 Z11 85.5 −23.59 65.57	0478 a11 91.15 −32.73 70.85	0811 b11 85.54 5.72 −7.02	0820 c11 83.49 0.0 −0.01	0829 d11 81.45 −1.32 12.43	0838 e11 79.41 −2.65 24.87	0847 f11 77.36 −3.97 37.31	0856 g11 75.32 −5.3 49.75	0865 h11 73.28 −6.62 62.19	0874 i11 71.23 −7.94 74.63	0883 j11 69.19 −9.27 87.06	1009 k11 6.57 0.0 −0.01	1025 l11 6.57 0.0 −0.01	1041 m11 6.57 0.0 −0.01	1057 n11 6.57 0.0 −0.01
12	0245 A12 16.99 29.37 7.12	0254 B12 23.24 19.15 8.28	0263 C12 29.5 8.92 9.44	0272 D12 35.13 −1.32 12.43	0281 E12 41.19 −10.47 17.71	0290 F12 47.24 −19.62 22.99	0299 G12 53.3 −28.77 28.26	0308 H12 59.35 −37.92 33.54	0317 I12 65.4 −47.06 38.81	0326 J12 22.63 38.29 16.56	0335 K12 28.88 28.07 17.72	0344 L12 35.14 17.84 18.88	0353 M12 40.77 7.59 21.88	0362 N12 46.41 −2.68 24.87	0371 O12 52.46 −11.79 30.15	0380 P12 58.52 −20.94 35.43	0389 Q12 64.57 −30.09 40.7	0398 R12 70.62 −39.23 45.97	0407 S12 28.27 47.26 26.0	0416 T12 34.52 36.99 27.16	0425 U12 40.78 26.76 28.32	0434 V12 46.41 16.53 31.32	0443 W12 52.05 6.27 34.32	0452 X12 57.68 −3.97 37.31	0461 Y12 63.74 −13.12 42.59	0470 Z12 69.79 −22.27 47.86	0479 a12 75.84 −31.41 53.14	0812 b12 75.67 11.45 −14.04	0821 c12 73.61 5.73 −7.02	0830 d12 71.56 0.0 −0.01	0839 e12 70.91 −1.32 12.43	0848 f12 70.26 −2.65 24.87	0857 g12 69.61 −3.97 37.31	0866 h12 68.96 −5.3 49.75	0875 i12 68.31 −6.62 62.19	0884 j12 67.66 −7.94 74.62	1010 k12 12.73 0.0 −0.01	1026 l12 12.73 0.0 −0.01	1042 m12 12.73 0.0 −0.01	1058 n12 12.73 0.0 −0.01
13	0246 A13 17.02 30.68 −3.48	0255 B13 23.27 20.46 −2.32	0264 C13 29.52 10.23 −1.16	0273 D13 35.79 0.0 −0.01	0282 E13 41.84 −9.14 5.27	0291 F13 47.89 −18.29 10.55	0300 G13 53.95 −27.44 15.82	0309 H13 60.0 −36.59 21.1	0318 I13 66.05 −45.73 26.37	0327 J13 22.66 39.6 −5.95	0336 K13 28.91 29.38 8.28	0345 L13 35.16 19.15 9.44	0354 M13 41.42 8.92 12.43	0363 N13 47.06 −1.32 17.71	0372 O13 53.11 −10.47 22.99	0381 P13 59.17 −19.62 28.26	0390 Q13 65.22 −28.77 33.54	0399 R13 71.27 −37.91 38.81	0408 S13 28.3 48.52 15.4	0417 T13 34.55 38.3 16.56	0426 U13 40.81 28.07 17.72	0435 V13 46.47 17.84 18.88	0444 W13 52.2 7.59 21.88	0453 X13 58.33 −2.65 24.87	0462 Y13 64.39 −11.79 30.15	0471 Z13 70.44 −20.94 35.43	0480 a13 76.49 −30.08 40.7	0813 b13 65.8 17.18 −21.07	0822 c13 63.75 11.46 −14.05	0831 d13 61.69 5.73 −7.02	0840 e13 59.64 0.0 −0.01	0849 f13 58.98 −1.32 12.43	0858 g13 58.33 −2.65 24.87	0867 h13 57.68 −3.97 37.31	0876 i13 57.03 −5.3 49.75	0885 j13 56.39 −6.62 62.18	1011 k13 19.09 0.0 −0.01	1027 l13 19.09 0.0 −0.01	1043 m13 19.09 0.0 −0.01	1059 n13 19.09 0.0 −0.01
14	0247 A14 19.08 36.41 −10.51	0256 B14 25.33 26.19 −9.35	0265 C14 31.58 15.96 −8.18	0274 D14 37.84 5.73 −7.02	0283 E14 42.89 −4.13 −5.92	0292 F14 48.94 −13.28 −0.65	0301 G14 55.0 −22.43 4.62	0310 H14 61.05 −31.58 9.9	0319 I14 67.1 −40.72 15.17	0328 J14 22.69 46.64 −4.64	0337 K14 28.94 36.42 −3.48	0346 L14 35.19 26.19 −2.32	0355 M14 41.45 15.96 −1.16	0364 N14 47.71 5.73 −0.01	0373 O14 53.76 −9.14 5.27	0382 P14 59.82 −18.29 10.55	0391 Q14 65.87 −27.44 15.82	0400 R14 71.92 −36.58 21.1	0409 S14 28.33 49.93 4.79	0418 T14 34.58 39.61 5.95	0427 U14 40.83 29.38 7.12	0436 V14 47.09 19.15 8.28	0445 W14 53.35 9.42 9.44	0454 X14 58.98 1.32 12.43	0463 Y14 65.04 −7.94 17.71	0472 Z14 71.09 −17.09 22.99	0481 a14 77.14 −19.62 28.26	0814 b14 55.94 22.91 −28.1	0823 c14 53.88 17.19 −21.08	0832 d14 51.82 11.46 −14.05	0841 e14 49.76 5.73 −7.02	0850 f14 47.71 0.0 −0.01	0859 g14 47.06 −1.32 12.43	0868 h14 46.41 −2.65 24.87	0877 i14 45.76 −3.97 37.31	0886 j14 45.11 −5.29 49.74	1012 k14 25.45 0.0 −0.01	1028 l14 25.45 0.0 −0.01	1044 m14 25.45 0.0 −0.01	1060 n14 25.45 0.0 −0.01
15	0248 A15 23.61 42.14 −17.53	0257 B15 27.39 31.92 −16.37	0266 C15 33.68 21.69 −15.21	0275 D15 39.9 11.46 −14.05	0284 E15 44.95 1.59 −12.95	0293 F15 50.9 −8.27 −11.85	0302 G15 56.05 −17.42 −6.57	0311 H15 61.1 −26.57 −1.3	0320 I15 66.16 −35.71 3.97	0329 J15 24.74 46.64 −11.67	0338 K15 30.99