Kaotic Algebra

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Abstract. The direct product of a right and left handed quaternion algebras generates an algebra isomorphic to the Clifford algebra Cl(3,1) which describes space-time with signature (+++-). Once a higher dimensional background is proposed as an underlying basis for reality, it becomes logical to seek an equivalent product for octonions. However, the non-associativity of octonions means that a direct product is not defined for them. In this paper, a modified Moufang loop construction is used to generate an algebra based on products of octonions which differs from that of the octo-octonions, labelled the kaotic algebra. Subalgebras of the kaotic algebra can be found that correspond to several models of particle physics proposed by others.

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1 Introduction

Theories of reality have been based on various algebras. General relativity[1] is based on four-dimensional space-time, which can be represented by the Clifford algebras $Cl(3,1)$ or $Cl(1,3)$. It accounts for gravitation at extensive scales, but does not account for other forces or quantum effects. It allows the possibility of a scalar field.

The original Kaluza-Klein model[2] is based on five dimensional space-time, which can be represented by the Clifford algebra $Cl(1,4)$ or $Cl(4,1)$. The Kaluza-Klein model unifies general relativity with classical electromagnetism, but fails to account for quantum effects.

Yang-Mills theories[3] describe electroweak and strong forces, but not gravity. The Higgs mechanism[4] features a complex doublet. String theories[5] extend the Kaluza-Klein model by adding extra dimensions, using a background of one time-like dimension, three spatial dimensions and six compactified dimensions. For M theory[6] an extra dimension is added. Ten and eleven dimensions can be represented by the Clifford algebras $Cl(p,q)$, $p+q=10$ or 11.

An octonion based approach using the tensor product $\mathbb{C}\otimes\mathbb{H}\otimes\mathbb{O}$ has been proposed by G.Dixon[7]. It has been suggested that the non-associative elements of $\mathbb{O}$ could account for the probabilistic nature of quantum mechanics. It has been noted that there is a correspondence between Feynman vertices[8] which feature two spinors and a vector component, and the way in which a higher division algebra can be assembled from two copies of a division algebra and a third component[9]. Twisted octonionic manifolds embedded in higher dimensional space have been proposed as a basis for parity [10].

In this paper an algebra with subalgebras which can be used for any of these models is presented. It has been assembled using a modified form of Moufang Loop construction[11].

2 The kaotic algebra

The kaotic algebra is constructed using a modified Moufang loop construction. When applied to the reals, the construction generates a quaternion algebra. When applied to the complex numbers, it generates an octonion algebra. When applied to a quaternion algebra, it generates a sedenioon algebra. When applied to unit multivector matrices for $Cl(1,4)$, obtained as the complexification of the product a right handed quaternion algebra and a left handed quaternion algebra, it generates the Kaotic algebra.

2.1 Moufang Loop construction for octonions

For Moufang loop construction of octonions, based on quaternion pairs, a dis-association operator, μ, is assigned to the second quaternion pair, and the product rule is, for $p = (p, \mu p)$ and $q = (q, \mu q)$:
$p.q = (pq)$
$p.\mu q = \mu(p^{-1}q)$
$\mu p.q = \mu(qp)$
$\mu p.\mu q = -(qp^{-1})$

or, equivalently:

$p.q = (pq)$
$p.\nu q = \nu(p^{-1}q)$
$\nu p.q = \nu(qp)$
$\nu p.\nu q = -(p^{-1}q)$

2.2 A Modified Moufang Loop construction

A similar construction can be assembled, using three dis-association operators, μ, ν and λ, with rules imposed for products of $p = (p, \mu p, \nu p, \lambda p)$ and $(q, \mu q, \nu q, \lambda q)$ as follows:
$p.q = (pq)$
$\mu p.q = \mu(pq^{-1})$
$\nu p.q = \nu(pq^{-1})$
$\lambda p.q = \lambda(pq)$
$p.\mu q = \mu(qp)$
$p.\nu q = \nu(qp)$
$p.\lambda q = \lambda(q^{-1}p)$
$\mu p.\mu q = -(qp^{-1})$
$\nu p.\nu q = -(qp^{-1})$
$\lambda p.\lambda q = -(p^{-1}q)$
$\mu p.\lambda q = \nu(p^{-1}q)$
$\mu p.\nu q = -\lambda(pq)$
$\nu p.\mu q = \lambda(qp)$
$\nu p.\lambda q = -\mu(q^{-1}p)$
$\lambda p.\nu q = \mu(pq^{-1})$
$\lambda p.\mu q = -\nu(qp^{-1})$
These rules generate anti-commuting products whose sign matrix is a Hadamard matrix, as is required for basis elements for the division algebras and for Cayley-Dickson sedenions. Note that there are differences between the rules for μ, ν and λ.

2.3 Construction of the kaotic algebra

To generate the table of products for the Kaotic algebra, the multiplication rules used in the modified Moufang Loop construction for sedenions are applied to the 32 real and imaginary 4×4 unit matrices for unit multivector components for the Clifford algebra $Cl(1,4)$ factored by $1, \mu, \nu$, or λ, generating an algebra with 128 unit elements.

2.4 Notation used to label basis elements for the kaotic algebra

In order to allow compact presentation basis elements, letters have been used to label unit 4×4 matrices as shown in table 1. A prescript is added to denote a dis-association operator and i is added for imaginary matrices, resulting in labels such as: ${}^{\nu}iX$. When referring to several unit matrices with a common dis-association operator, and/or common real/imaginary status, matrices are enclosed in square brackets, e.g.: ${}^{\nu}[iXiYiZT]$ and ${}^{\lambda}i[PQFD]$.

TABLE 1. Notation used to label 4×4 unit matrices

$$S = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$R = \begin{bmatrix} 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \\ 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \end{bmatrix} \quad P = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & -1 & 0 \\ 0 & 0 & 0 & -1 \end{bmatrix} \quad M = \begin{bmatrix} 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \\ -1 & 0 & 0 & 0 \\ 0 & -1 & 0 & 0 \end{bmatrix}$$

$$Y = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 \end{bmatrix} \quad E = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & -1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & -1 \end{bmatrix} \quad T = \begin{bmatrix} 0 & 1 & 0 & 0 \\ -1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & -1 & 0 \end{bmatrix}$$

$$D = \begin{bmatrix} 0 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 \\ 1 & 0 & 0 & 0 \end{bmatrix} \quad X = \begin{bmatrix} 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & -1 \\ 1 & 0 & 0 & 0 \\ 0 & -1 & 0 & 0 \end{bmatrix} \quad N = \begin{bmatrix} 0 & 0 & 0 & 1 \\ 0 & 0 & -1 & 0 \\ 0 & 1 & 0 & 0 \\ -1 & 0 & 0 & 0 \end{bmatrix}$$

$$F = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 \\ 0 & 0 & -1 & 0 \end{bmatrix} \quad Z = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & -1 & 0 & 0 \\ 0 & 0 & -1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \quad L = \begin{bmatrix} 0 & 1 & 0 & 0 \\ -1 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 \\ 0 & 0 & 1 & 0 \end{bmatrix}$$

$$U = \begin{bmatrix} 0 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 \\ 0 & -1 & 0 & 0 \\ -1 & 0 & 0 & 0 \end{bmatrix} \quad V = \begin{bmatrix} 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & -1 \\ -1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \end{bmatrix} \quad Q = \begin{bmatrix} 0 & 0 & 0 & 1 \\ 0 & 0 & -1 & 0 \\ 0 & -1 & 0 & 0 \\ 1 & 0 & 0 & 0 \end{bmatrix}$$

Note that the positive and negative forms of matrices R, Q, L, X, Y, Z are opposite to those used in a previous paper by this author, The Pattern of Reality[12], for consistency with a convention that matrices with a +1 entry in the first row are the positive form.

3 The Kaotic algebra and Clifford algebras

3.1 Dimensionality

For Clifford algebras, the concept of dimensionality is clear cut, with unit vectors assigned to orthogonal directions for each dimension. The unit vectors all anti-commute with each other. For M-theory, if its eleven dimensions are separated into a Cl(1,3) world manifold and a seven dimensional compactified tangent bundle, the compactified dimensions have to have distinct unit vectors for an associated Clifford algebra, so $Cl(1,10)$ is used as the algebra. A $Cl(1,10)$ multivector has 2048 components.

For the kaotic algebra, dimensionality is less clear cut. Sets of four unit elements that have no dis-association operator, and which anti-commute with each other can be found. But, also, sets of seven unit elements that have dis-association operators and which anti-commute with each other can be found, such that they all anti-commute with four elements having no dis-association operator. However, having only 128 unit components, the equivalent of a multivector for the kaotic algebra should only be equivalent to a Clifford algebra for seven dimensions.

This suggests the hypothesis that, for a model based on the kaotic algebra, the equivalent of the compactified dimensions in M-theory would not be true dimensions, but could be thought of as subdivisions of dimensions, or pseudo-dimensions, allowing multivector components equivalent to unit vectors for true dimensions to be products of three or more unit vector equivalents for pseudo-dimensions. This could provide a basis for a model based on emergent spacetime, a feature of several attempts to find a fundamental basis for reality[13].

In order to relate physics based on the kaotic algebra to physics based on $Cl(1,10)$, it is useful to map the true dimensions of a $Cl(1,10)$ manifold into a combination of true and pseudo-dimensions for a kaotic algebra manifold. To describe this map, a compact form of notation for 32×32 matrices used to represent unit elements of a $Cl(1,10)$ multivector is needed.

3.2 Notation for $Cl(1,10)$ unit matrices

32×32 unit matrices can be assembled as a nesting of a group of 2×2 unit matrices entered into a group of 4×4 unit matrices entered into a second group of 4×4 unit matrices. In this paper 4×4 unit matrices are labelled as shown in table 1 (in section 3), and 2×2 matrices are labelled:

$$s = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} \quad g = \begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix} \quad h = \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix} \quad j = \begin{bmatrix} 0 & 1 \\ -1 & 0 \end{bmatrix}$$

This allows a real 32×32 matrix to be labelled using a three letter combination such as: ${}^{gY}X$, and an imaginary 32×32 matrix to be labelled using a four letter combination such as: ${}^{hD}iF$. Using this notation, products for two matrices can be obtained by multiplying the nested matrices separately. For instance:
${}^{gY}X \times {}^{hD}F = {}^{g.h\ Y.D}X.F$
As for kaotic algebra labels, sets of several matrices with similar nested extension matrices can be put in square brackets, such as $i^{sS}[TXYZ]$.

3.3 Matrices chosen to represent unit vectors for $Cl(1,10)$

${}^{sS}[iVTXYZ]$ all anticommute with each other. If ${}^{sS}[TXYZ]$ are assigned to represent unit vectors for space-time dimensions, $[iV]$ could be assigned to the fifth dimension used in the original Kaluza-Klein theory. Then, to expand that theory to eleven dimensions for use in M-theory, it would be logical to select eleven matrices to represent unit vectors such as:
${}^{sS}[TXYZ]\ {}^{g[TUV]}V\ {}^{h[LMN]}V\ {}^{jS}iV$
Then:
${}^{sS}[TXYZ]$ can be assigned to space-time dimensions,
and
${}^{g[TUV]}V\ {}^{h[LMN]}V\ {}^{jS}iV$ can be assigned to compactified dimensions.

3.4 Mapping between $Cl(1,10)$ and the kaotic algebra

Space-time dimensions can be regarded as being generated using $\mathbb{H} \otimes \mathbb{H}$, the product of a right and a left handed quaternion. This suggests using the product of a right and a left handed octonion to generate compactified dimensions. Consider unit elements from the kaotic algebra such as:
${}^{\mu}[TUV]\ {}^{\nu}[LMN]\ {}^{\lambda}iS$
If sign is ignored, the products for these elements have the same latin square as for ${}^{g[TUV]}V\ {}^{h[LMN]}V\ {}^{jS}iV$

This suggests that an equivalent of the Clifford algebra multivector for the compactified dimensions of M-theory can be identified for the kaotic algebra elements.

The algebra multivector components for ${}^{g}[{}^{L}V{}^{M}V{}^{N}V]\ {}^{h}[{}^{T}V{}^{U}V{}^{V}V]\ i^{jS}V$ are:
Scalar: ${}^{S}S$
Vector: ${}^{g[TUV]}V$, ${}^{h[LMN]}V$, ${}^{jS}iV$
Bivector: ${}^{[TUVLMN]}V$, ${}^{j[XYZPQRDEF]}V$, ${}^{h[TUV]}iV$, ${}^{g[LMN]}iV$
3-vector: ${}^{j[TUVLMN]}iV$, ${}^{g[SXYZPQRDEF]}V$, ${}^{h[SXYZPQRDEF]}V$, ${}^{[XYZPQRDEF]}iV$
4-vector: ${}^{j[TUVLMN]}V$, ${}^{g[SXYZPQRDEF]}iV$, ${}^{h[SXYZPQRDEF]}iV$, ${}^{[XYZPQRDEF]}V$
5-vector: ${}^{[TUVLMN]}iV$, ${}^{j[XYZPQRDEF]}iV$, ${}^{h[TUV]}V$, ${}^{g[LMN]}V$
6-Vector: ${}^{g[TUV]}iV$, ${}^{h[LMN]}iV$, ${}^{jS}V$
Pseudoscalar: ${}^{S}iV$

Equivalents of $Cl(0,7)$ unit multivector components for the kaotic algebra elements can be identified as:
Scalar: S
Vector: ${}^{\mu}[TUV]$, ${}^{\nu}[LMN]$, ${}^{\lambda}iS$
Bivector: $[TUVLMN]$, ${}^{\lambda}[XYZPQRDEF]$, ${}^{\nu}i[TUV]$, ${}^{\mu}i[LMN]$
3-vector: ${}^{\lambda}i[TUVLMN]$, ${}^{\mu}[SXYZPQRDEF]$, ${}^{\nu}[SXYZPQRDEF]$, $i[XYZPQRDEF]$
4-vector: ${}^{\lambda}[TUVLMN]$, ${}^{\mu}i[SXYZPQRDEF]$, ${}^{\nu}i[SXYZPQRDEF]$, $[XYZPQRDEF]$
5-vector: $i[TUVLMN]$, ${}^{\lambda}i[XYZPQRDEF]$, $\nu[TUV]$, ${}^{\mu}[LMN]$
6-Vector: ${}^{\mu}i[TUV]$, ${}^{\mu}i[LMN]$, ${}^{\lambda}S$
Pseudoscalar: iS

4 The kaotic algebra and the standard model

For the equivalents of $Cl(0,7)$ unit multivector components for the kaotic algebra elements as identified above, real elements are the equivalent of $Cl(0,6)$ products for the six elements: ${}^{\mu}[TUV]\ {}^{\nu}[LMN]$, and the remaining elements are their imaginary counterparts. This allows representation of phase.

For the products of the six elements ${}^{\mu}[TUV]\ {}^{\nu}[LMN]$, the even components are:
Scalar: S
Bivector: $[TUVLMN]$, ${}^{\lambda}[XYZPQRDEF]$
4-vector: ${}^{\lambda}[TUVLMN]$, $[XYZPQRDEF]$
6-vector: ${}^{\lambda}S$
These exclude two of the disassociation operators.
This suggests consideration of similar arrangements:
Scalar: S
Bivector: $[TUVLMN]$, ${}^{\mu}[XYZPQRDEF]$
4-vector: ${}^{\mu}[TUVLMN]$, $[XYZPQRDEF]$
6-vector: ${}^{\mu}S$
and
Scalar: S
Bivector: $[TUVLMN]$, ${}^{\nu}[XYZPQRDEF]$
4-vector: ${}^{\nu}[TUVLMN]$, $[XYZPQRDEF]$
6-vector: ${}^{\nu}S$
A combination such as $SLMN^{\mu}[SLMN]$ or $SLMN^{\nu}[SLMN]$ is octonionic, but a combination such as $SLMN^{\lambda}[SLMN]$ is not. However, subalgebras of $SLMN^{\lambda}[SLMN]$ such as $SL^{\lambda}[SL]$ are quaternionic.

A combination such as $SLMN$, ${}^{\mu}[SLMN]$, ${}^{\nu}[SLMN]$, ${}^{\lambda}[SLMN]$ is sedenionic. It can represent a combination of two octonions with $[SLMN]$ elements in common - $SLMN^{\mu}[SLMN]$ and $SLMN^{\nu}[SLMN]$ together with a non-octonionic subalgebra - $SLMN^{\lambda}[SLMN]$ assembled as a combination of two quaternions -

$SL^{\lambda}[SL] \times SM^{\lambda}[SM]$. This would allow a sedenion to represent a vertex in a Feynman diagram, featuring two spinorial components and one component assembled from two vectorial components.

Having related elements of the kaotic algebra to multivector components for an associative compactified manifold, to assemble a model of reality requires the algebra to be also be related to a $Cl(1,3)$ or $Cl(3,1)$ algebra for space-time. One way to do this would be to assemble a tensor product of the kaotic algebra with $Cl(1,3)$ or $Cl(3,1)$. An alternative scheme would be to redefine the concept of dimensionality, such that the non-associative manifold is one of sub-divided or pseudo-dimensions, and postulating that products of pseudo-dimensional vectors generate true dimensions for an emergent space-time.

For this scheme, unit elements of the kaotic algebra such as $[VTiXiYiZ]$ or $[MNiXiPiD]$ can be found, all of which anti-commute with each other and anti-commute with all elements of the non-associative manifold. However, these elements have signature $(- \; - \; - \; - \; -)$, so, to assign an element to time requires a the imaginary counterpart of one element to be used, such as for $[iT]$.

For $[iTiXiYiZ]$, iX, iY and iZ all anti-commute with all elements of the non-associative manifold, but iT commutes with all elements of the non-associative manifold. One effect of this would be to create an arrow of time with respect to phenomena associated with the non-associative manifold.

The choice of elements to represent space-time such as $[iTiXiYiZ]$ is arbitrary, $[iNiXiPiD]$ would serve equally well. However, once that choice is made, it breaks a symmetry of the kaotic algebra, as the relationship to $[iTiXiYiZ]$ for the octonion $(SLMN\,^{\mu}[SLMN])$ is a different to that for the octonion $(STUV\,^{\mu}[STUV])$. This symmetry breakage is equivalent to that used to associate permutations of subalgebras of $Cl(p,q), p+q=5$ with fermions described in a previous paper, The Pattern of Reality[**?**], a rearranged version of which is shown in Appendix B, table 11. The same permutations of subalgebras can be extended into octonionic combinations from the kaotic algebra to create a similar phenomenology.

The feature of the kaotic algebra, that, if the signs of products with dissimilar dis-association operators are reversed, the sign matrix is not a Hadamard matrix could account for the matter/anti-matter asymmetry observed in the universe.

5 Discussion

5.1 Introduction

Assembly and analysis of grand unification theories requires an understanding of complex mathematics and physics. However, the goal of such theories is to find a relatively simple algebra at their heart. Physicists have searched exhaustively for that algebra with limited success, suggesting that there may be some element of conventional physics that misdirects the search. This paper presents the result of an attempt to find an algebra that achieves the goal by naively focussing on algebraic patterns, reducing the possibility of any such misdirection. The result, the kaotic algebra, appears to have features that make it a candidate for the algebra of reality. A simplistic analysis of these features is presented in this paper. Further work is required, but if the kaotic algebra is fundamental, it will serve science better for it to be brought to the attention of the physics community now, rather than in a more rigorous way in the distant future.

5.2 Development of the Kaotic algebra

Twenty years after attending university, and twenty years ago, recollection of a remark made by a university friend about the dimensionalities which allow a cross product, aroused my curiousity. That led me to an article by A. Eddington[14], which related the metric properties of spacetime to those of a group.

For that group, I assigned letters to matrices representing unit multivector components for $Cl(3,1)$ relating them to space-time dimensions, and arranged their multiplication table in sets of anti-commuting pentads as shown in table 2. This table suggested association of one pentad with gravity, two with electroweak forces, and three with the strong nuclear force.

TABLE 2. 4×4 unit matrix products

	S	V	T	X	Y	Z
S	S	V	T	X	Y	Z
V	V	$-S$	U	P	Q	$-R$
T	T	$-U$	$-S$	$-D$	E	$-F$
X	X	$-P$	D	S	N	$-M$
Y	Y	$-Q$	$-E$	$-N$	S	$-L$
Z	Z	R	F	M	L	S

The description of the electron using even components of the multivector for $Cl(3,1)$ by D. Hestenes[15] suggested searching for a pattern corresponding to the phenomenology of fermions for sub-algebras of higher Clifford algebras. This suggested the scheme of symmetry and symmetry breakage described in a paper, The Pattern of Reality[12].

That paper identified a pattern of subalgebras of $Cl(p,q), p+q=5$ as corresponding to the phenomenology of the fermions of the standard model together with hypothetical fermions for dark matter. The absence of observation of dark matter fermions made assessment of the validity of the correspondence problematic, as the known components only constitute a part of the pattern. For further development, I attempted to find a geometric basis for the Higgs mechanism. In this endeavour, I have found some properties of matrices that generate an expression with the form of the Higgs potential, as set out in Appendix C, but have yet to relate it to the kaotic algebra.

Thinking about bosons led me to consider how to model their interactions with fermions. The nature of protons and neutrons, being combinations of three quarks, suggested investigating combinations of 8-dimensional algebras, such as the octonions. The Moufang loop construction enables assembly of octonions using matrix representations of quaternions together with dis-association operators. Generation of a matrix representation of unit multivectors for spacetime from the direct product of matrix representations of left and right handed quaternions suggested seeking a similar process for octonions. Octonions are not associative so a group direct product is not defined. One possible product is the tensor product of two octonions, the octo-octonions, but their algebra does not include that of sedenions, which I had been hoping to use to represent combinations of three quarks.

This focussed my efforts on trying to find a way to generate sedenions from octonions using matrix representations of quaternions and dis-association operators, using direct calculation of matrix products for different multiplication rules on a spreadsheet, searching for the right commutation properties for products, and checking that the sign matrix for products was a Hadamard matrix.

After a great deal of trial and error, I found the construction described in section 3. Using it, a sedenion is generated from two octonions with a common quaternionic subalgebra, together with a third 8 dimensional algebra having the same quaternionic subalgebra that is not octonionic, but which is isomorphic to the twisted octonion algebra described by S.Catto and D.Chesley[10]. I realised that it made more sense to have a sedenion represent two fermions and a boson combining at a Feynman vertex than to have it represent a proton or neutron.

Applying the construction to matrices representing unit multivector components of $Cl(1,4)$ resulted in the kaotic algebra. Its manner of construction and number of elements (128) suggests a relationship with the octonionic projective plane $\mathbb{OP}^2$. The differences between the product rules for the three dis-association operators creates the possibility of symmetry breakage resulting in the distinction between fermions and bosons. The handing of the multiplication rule for elements with dissimilar dis-association operators accounts for the handedness of the universe.

For the kaotic algebra, matrices can be assigned to represent unit vectors for space-time, but the matrix assigned to represent time commutes with matrices assigned to represent compactified dimensions. This would have the effect of creating a difference between positive time and negative time for phenomena associated with compact dimensions, providing a basis for the arrow of time. The choice of matrices to be associated with space-time creates differences between subalgebras which corresponds to symmetry breakage distinguishing the electroweak forces from the strong nuclear force.

In parallel with the search for an algebra incorporating sedenions, I was also looking at Clifford algebras for 10 and 11 dimensional space-times. The form of notation adopted links the Kaotic algebra with Clifford algebras in a way that suggests that the kaotic algebra can be compatible with many of the results obtained using string/M-theories.

Being no mathematician or physicist, my analysis of the correspondence between the kaotic algebra and reality is likely to be flawed, but provides an indication of the potential of the algebra. It is presented in the hope that others will be able to use it to develop a viable theory of reality.

6 Acknowledgements

Many papers available on arXiv and elsewhere on the internet contributed to the development of this paper, but most use higher mathematical methods, which make them less accessible for a non-mathematician and making it hard to acknowledge particular contributions. I thank Wikipedia and its contributors and John Baez for information presented on the internet on a more accessible level.

7 Appendix A - Products of unit elements of the kaotic algebra

An overview of the commutation properties of products of the kaotic algebra is shown in condensed form in figure 1, where products that anti-commute have an A in their entry. The multiplication table for the kaotic algebra is shown in tables 3 to 10.

FIGURE 1. Pattern of anticommuting products for the kaotic algebra

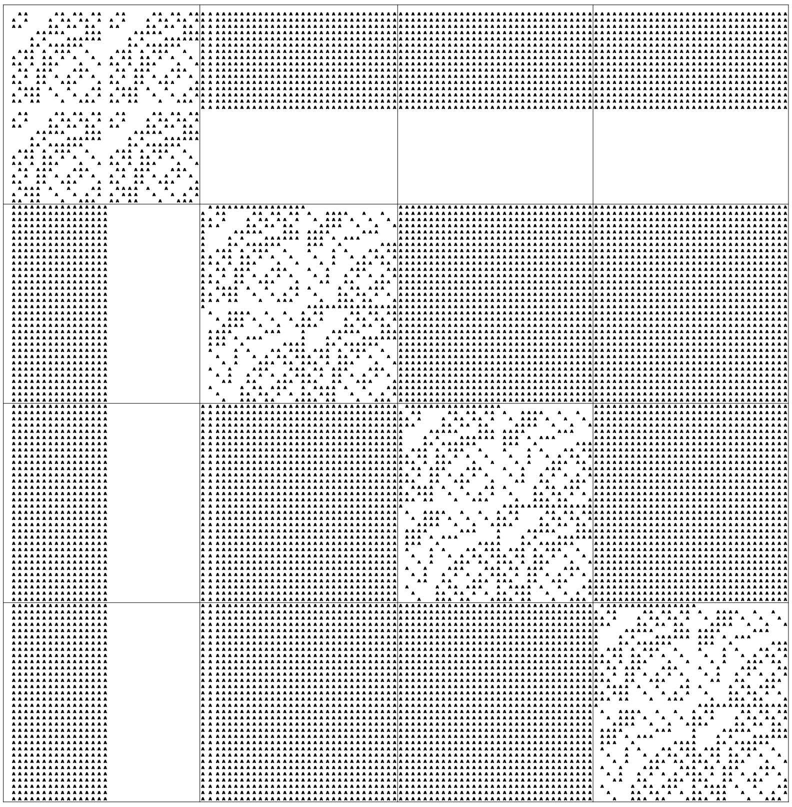


TABLE 3. Kaotic Algebra multiplication table, part A1

	S	L	M	N	T	U	V	iX	iY	iZ	iP	iQ	iR	iD	iE	iF	iS	iL	iM	iN	iT	iU	iV	X	Y	Z	P	Q	R	D	E	F
S	+S	+L	+M	+N	+T	+U	+V	+iX	+iY	+iZ	+iP	+iQ	+iR	+iD	+iE	+iF	+iS	+iL	+iM	+iN	+iT	+iU	+iV	+X	+Y	+Z	+P	+Q	+R	+D	+E	+F
L	+L	−S	+N	−M	−P	+X	−D	−iU	+iZ	−iY	+iT	−iR	+iQ	+iV	−iF	+iE	+iL	−iS	+iN	−iM	−iP	+iX	−iD	−U	+Z	−Y	+T	−R	+Q	+V	−F	+E
M	+M	−N	−S	+L	+Q	−Y	−E	+iZ	+iU	−iX	−iR	−iT	+iP	+iF	+iV	−iD	+iM	−iN	−iS	+iL	+iQ	−iY	−iE	+Z	+U	−X	−R	−T	+P	+F	+V	−D
N	+N	+M	−L	−S	−R	−Z	+F	−iY	+iX	+iU	−iQ	+iP	+iT	+iE	−iD	−iV	+iN	+iM	−iL	−iS	−iR	−iZ	+iF	−Y	+X	+U	−Q	+P	+T	+E	−D	−V
T	+T	−P	+Q	−R	−S	+V	−U	−iD	+iE	−iF	+iL	−iM	+iN	+iX	−iY	+iZ	+iT	−iP	+iQ	−iR	−iS	+iV	−iU	−D	+E	−F	+L	−M	+N	+X	−Y	+Z
U	+U	+X	−Y	−Z	−V	−S	+T	−iL	+iM	+iN	−iD	+iE	+iF	+iP	−iQ	−iR	+iU	+iX	−iY	−iZ	−iV	−iS	+iT	−L	+M	+N	−D	+E	+F	+P	−Q	−R
V	+V	−D	−E	+F	+U	−T	−S	+iP	+iQ	−iR	−iX	−iY	+iZ	+iL	+iM	−iN	+iV	−iD	−iE	+iF	+iU	−iT	−iS	+P	+Q	−R	−X	−Y	+Z	+L	+M	−N
iX	+iX	−iU	−iZ	+iY	+iD	−iL	−iP	−S	−N	+M	+V	+F	−E	−T	−R	+Q	−X	+U	+Z	−Y	−D	+L	+P	+iS	+iN	−iM	−iV	−iF	+iE	+iT	+iR	−iQ
iY	+iY	−iZ	+iU	−iX	−iE	+iM	−iQ	+N	−S	+L	−F	+V	−D	−R	+T	−P	−Y	+Z	−U	+X	+E	−M	+Q	−iN	+iS	−iL	+iF	−iV	+iD	+iR	−iT	+iP
iZ	+iZ	+iY	+iX	+iU	+iF	+iN	+iR	−M	−L	−S	−E	−D	−V	−Q	−P	−T	−Z	−Y	−X	−U	−F	−N	−R	+iM	+iL	+iS	+iE	+iD	+iV	+iQ	+iP	+iT
iP	+iP	+iT	+iR	+iQ	+iL	+iD	+iX	−V	−F	−E	−S	−N	−M	−U	−Z	−Y	−P	−T	−R	−Q	−L	−D	−X	+iV	+iF	+iE	+iS	+iN	+iM	+iU	+iZ	+iY
iQ	+iQ	+iR	−iT	−iP	−iM	−iE	+iY	+F	−V	−D	+N	−S	−L	−Z	+U	+X	−Q	−R	+T	+P	+M	+E	−Y	−iF	+iV	+iD	−iN	+iS	+iL	+iZ	−iU	−iX
iR	+iR	−iQ	−iP	+iT	+iN	−iF	−iZ	−E	−D	+V	+M	+L	−S	−Y	−X	+U	−R	+Q	+P	−T	−N	+F	+Z	+iE	+iD	−iV	−iM	−iL	+iS	+iY	+iX	−iU
iD	+iD	+iV	−iF	−iE	−iX	−iP	+iL	+T	−R	−Q	+U	−Z	−Y	−S	+N	+M	−D	−V	+F	+E	+X	+P	−L	−iT	+iR	+iQ	−iU	+iZ	+iY	+iS	−iN	−iM
iE	+iE	+iF	+iV	+iD	+iY	+iQ	+iM	−R	−T	−P	−Z	−U	−X	−N	−S	−L	−E	−F	−V	−D	−Y	−Q	−M	+iR	+iT	+iP	+iZ	+iU	+iX	+iN	+iS	+iL
iF	+iF	−iE	+iD	−iV	−iZ	+iR	−iN	+Q	−P	+T	−Y	+X	−U	−M	+L	−S	−F	+E	−D	+V	+Z	−R	+N	−iQ	+iP	−iT	+iY	−iX	+iU	+iM	−iL	+iS
iS	+iS	+iL	+iM	+iN	+iT	+iU	+iV	−X	−Y	−Z	−P	−Q	−R	−D	−E	−F	−S	−L	−M	−N	−T	−U	−V	+iX	+iY	+iZ	+iP	+iQ	+iR	+iD	+iE	+iF
iL	+iL	−iS	+iN	−iM	−iP	+iX	−iD	+U	−Z	+Y	−T	+R	−Q	−V	+F	−E	−L	+S	−N	+M	+P	−X	+D	−iU	+iZ	−iY	+iT	−iR	+iQ	+iV	−iF	+iE
iM	+iM	−iN	−iS	+iL	+iQ	−iY	−iE	−Z	−U	+X	+R	+T	−P	−F	−V	+D	−M	+N	+S	−L	−Q	+Y	+E	+iZ	+iU	−iX	−iR	−iT	+iP	+iF	+iV	−iD
iN	+iN	+iM	−iL	−iS	−iR	−iZ	+iF	+Y	−X	−U	+Q	−P	−T	−E	+D	+V	−N	−M	+L	+S	+R	+Z	−F	−iY	+iX	+iU	−iQ	+iP	+iT	+iE	−iD	−iV
iT	+iT	−iP	+iQ	−iR	−iS	+iV	−iU	+D	−E	+F	−L	+M	−N	−X	+Y	−Z	−T	+P	−Q	+R	+S	−V	+U	−iD	+iE	−iF	+iL	−iM	+iN	+iX	−iY	+iZ
iU	+iU	+iX	−iY	−iZ	−iV	−iS	+iT	+L	−M	−N	+D	−E	−F	−P	+Q	+R	−U	−X	+Y	+Z	+V	+S	−T	−iL	+iM	+iN	−iD	+iE	+iF	+iP	−iQ	−iR
iV	+iV	−iD	−iE	+iF	+iU	−iT	−iS	−P	−Q	+R	+X	+Y	−Z	−L	−M	+N	−V	+D	+E	−F	−U	+T	+S	+iP	+iQ	−iR	−iX	−iY	+iZ	+iL	+iM	−iN
X	+X	−U	−Z	+Y	+D	−L	−P	+iS	+iN	−iM	−iV	−iF	+iE	+iT	+iR	−iQ	+iX	−iU	−iZ	+iY	+iD	−iL	−iP	+S	+N	−M	−V	−F	+E	+T	+R	−Q
Y	+Y	−Z	+U	−X	−E	+M	−Q	−iN	+iS	−iL	+iF	−iV	+iD	+iR	−iT	+iP	+iY	−iZ	+iU	−iX	−iE	+iM	−iQ	−N	+S	−L	+F	−V	+D	+R	−T	+P
Z	+Z	+Y	+X	+U	+F	+N	+R	+iM	+iL	+iS	+iE	+iD	+iV	+iQ	+iP	+iT	+iZ	+iY	+iX	+iU	+iF	+iN	+iR	+M	+L	+S	+E	+D	+V	+Q	+P	+T
P	+P	+T	+R	+Q	+L	+D	+X	+iV	+iF	+iE	+iS	+iN	+iM	+iU	+iZ	+iY	+iP	+iT	+iR	+iQ	+iL	+iD	+iX	+V	+F	+E	+S	+N	+M	+U	+Z	+Y
Q	+Q	+R	−T	−P	−M	−E	+Y	−iF	+iV	+iD	−iN	+iS	+iL	+iZ	−iU	−iX	+iQ	+iR	−iT	−iP	−iM	−iE	+iY	−F	+V	+D	−N	+S	+L	+Z	−U	−X
R	+R	−Q	−P	+T	+N	−F	−Z	+iE	+iD	−iV	−iM	−iL	+iS	+iY	+iX	−iU	+iR	−iQ	−iP	+iT	+iN	−iF	−iZ	+E	+D	−V	−M	−L	+S	+Y	+X	−U
D	+D	+V	−F	−E	−X	−P	+L	−iT	+iR	+iQ	−iU	+iZ	+iY	+iS	−iN	−iM	+iD	+iV	−iF	−iE	−iX	−iP	+iL	−T	+R	+Q	−U	+Z	+Y	+S	−N	−M
E	+E	+F	+V	+D	+Y	+Q	+M	+iR	+iT	+iP	+iZ	+iU	+iX	+iN	+iS	+iL	+iE	+iF	+iV	+iD	+iY	+iQ	+iM	+R	+T	+P	+Z	+U	+X	+N	+S	+L
F	+F	−E	+D	−V	−Z	+R	−N	−iQ	+iP	−iT	+iY	−iX	+iU	+iM	−iL	+iS	+iF	−iE	+iD	−iV	−iZ	+iR	−iN	−Q	+P	−T	+Y	−X	+U	+M	−L	+S
$^{\nu}S$	$+^{\nu}S$	$-^{\nu}L$	$-^{\nu}M$	$-^{\nu}N$	$-^{\nu}T$	$-^{\nu}U$	$-^{\nu}V$	$-^{\nu}iX$	$-^{\nu}iY$	$-^{\nu}iZ$	$-^{\nu}iP$	$-^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iD$	$-^{\nu}iE$	$-^{\nu}iF$	$-^{\nu}iS$	$+^{\nu}iL$	$+^{\nu}iM$	$+^{\nu}iN$	$+^{\nu}iT$	$+^{\nu}iU$	$+^{\nu}iV$	$+^{\nu}X$	$+^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}P$	$+^{\nu}Q$	$+^{\nu}R$	$+^{\nu}D$	$+^{\nu}E$	$+^{\nu}F$
$^{\nu}L$	$+^{\nu}L$	$+^{\nu}S$	$-^{\nu}N$	$+^{\nu}M$	$+^{\nu}P$	$-^{\nu}X$	$+^{\nu}D$	$+^{\nu}iU$	$-^{\nu}iZ$	$+^{\nu}iY$	$-^{\nu}iT$	$+^{\nu}iR$	$-^{\nu}iQ$	$-^{\nu}iV$	$+^{\nu}iF$	$-^{\nu}iE$	$-^{\nu}iL$	$-^{\nu}iS$	$+^{\nu}iN$	$-^{\nu}iM$	$-^{\nu}iP$	$+^{\nu}iX$	$-^{\nu}iD$	$-^{\nu}U$	$+^{\nu}Z$	$-^{\nu}Y$	$+^{\nu}T$	$-^{\nu}R$	$+^{\nu}Q$	$+^{\nu}V$	$-^{\nu}F$	$+^{\nu}E$
$^{\nu}M$	$+^{\nu}M$	$+^{\nu}N$	$+^{\nu}S$	$-^{\nu}L$	$-^{\nu}Q$	$+^{\nu}Y$	$+^{\nu}E$	$-^{\nu}iZ$	$-^{\nu}iU$	$+^{\nu}iX$	$+^{\nu}iR$	$+^{\nu}iT$	$-^{\nu}iP$	$-^{\nu}iF$	$-^{\nu}iV$	$+^{\nu}iD$	$-^{\nu}iM$	$-^{\nu}iN$	$-^{\nu}iS$	$+^{\nu}iL$	$+^{\nu}iQ$	$-^{\nu}iY$	$-^{\nu}iE$	$+^{\nu}Z$	$+^{\nu}U$	$-^{\nu}X$	$-^{\nu}R$	$-^{\nu}T$	$+^{\nu}P$	$+^{\nu}F$	$+^{\nu}V$	$-^{\nu}D$
$^{\nu}N$	$+^{\nu}N$	$-^{\nu}M$	$+^{\nu}L$	$+^{\nu}S$	$+^{\nu}R$	$+^{\nu}Z$	$-^{\nu}F$	$+^{\nu}iY$	$-^{\nu}iX$	$-^{\nu}iU$	$+^{\nu}iQ$	$-^{\nu}iP$	$-^{\nu}iT$	$-^{\nu}iE$	$+^{\nu}iD$	$+^{\nu}iV$	$-^{\nu}iN$	$+^{\nu}iM$	$-^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iR$	$-^{\nu}iZ$	$+^{\nu}iF$	$-^{\nu}Y$	$+^{\nu}X$	$+^{\nu}U$	$-^{\nu}Q$	$+^{\nu}P$	$+^{\nu}T$	$+^{\nu}E$	$-^{\nu}D$	$-^{\nu}V$
$^{\nu}T$	$+^{\nu}T$	$+^{\nu}P$	$-^{\nu}Q$	$+^{\nu}R$	$+^{\nu}S$	$-^{\nu}V$	$+^{\nu}U$	$+^{\nu}iD$	$-^{\nu}iE$	$+^{\nu}iF$	$-^{\nu}iL$	$+^{\nu}iM$	$-^{\nu}iN$	$-^{\nu}iX$	$+^{\nu}iY$	$-^{\nu}iZ$	$-^{\nu}iT$	$-^{\nu}iP$	$+^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iS$	$+^{\nu}iV$	$-^{\nu}iU$	$-^{\nu}D$	$+^{\nu}E$	$-^{\nu}F$	$+^{\nu}L$	$-^{\nu}M$	$+^{\nu}N$	$+^{\nu}X$	$-^{\nu}Y$	$+^{\nu}Z$
$^{\nu}U$	$+^{\nu}U$	$-^{\nu}X$	$+^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}V$	$+^{\nu}S$	$-^{\nu}T$	$+^{\nu}iL$	$-^{\nu}iM$	$-^{\nu}iN$	$+^{\nu}iD$	$-^{\nu}iE$	$-^{\nu}iF$	$-^{\nu}iP$	$+^{\nu}iQ$	$+^{\nu}iR$	$-^{\nu}iU$	$+^{\nu}iX$	$-^{\nu}iY$	$-^{\nu}iZ$	$-^{\nu}iV$	$-^{\nu}iS$	$+^{\nu}iT$	$-^{\nu}L$	$+^{\nu}M$	$+^{\nu}N$	$-^{\nu}D$	$+^{\nu}E$	$+^{\nu}F$	$+^{\nu}P$	$-^{\nu}Q$	$-^{\nu}R$
$^{\nu}V$	$+^{\nu}V$	$+^{\nu}D$	$+^{\nu}E$	$-^{\nu}F$	$-^{\nu}U$	$+^{\nu}T$	$+^{\nu}S$	$-^{\nu}iP$	$-^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iX$	$+^{\nu}iY$	$-^{\nu}iZ$	$-^{\nu}iL$	$-^{\nu}iM$	$+^{\nu}iN$	$-^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iE$	$+^{\nu}iF$	$+^{\nu}iU$	$-^{\nu}iT$	$-^{\nu}iS$	$+^{\nu}P$	$+^{\nu}Q$	$-^{\nu}R$	$-^{\nu}X$	$-^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}L$	$+^{\nu}M$	$-^{\nu}N$
$^{\nu}iX$	$+^{\nu}iX$	$+^{\nu}iU$	$+^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iD$	$+^{\nu}iL$	$+^{\nu}iP$	$+^{\nu}S$	$+^{\nu}N$	$-^{\nu}M$	$-^{\nu}V$	$-^{\nu}F$	$+^{\nu}E$	$+^{\nu}T$	$+^{\nu}R$	$-^{\nu}Q$	$+^{\nu}X$	$+^{\nu}U$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}D$	$+^{\nu}L$	$+^{\nu}P$	$+^{\nu}iS$	$+^{\nu}iN$	$-^{\nu}iM$	$-^{\nu}iV$	$-^{\nu}iF$	$+^{\nu}iE$	$+^{\nu}iT$	$+^{\nu}iR$	$-^{\nu}iQ$
$^{\nu}iY$	$+^{\nu}iY$	$+^{\nu}iZ$	$-^{\nu}iU$	$+^{\nu}iX$	$+^{\nu}iE$	$-^{\nu}iM$	$+^{\nu}iQ$	$-^{\nu}N$	$+^{\nu}S$	$-^{\nu}L$	$+^{\nu}F$	$-^{\nu}V$	$+^{\nu}D$	$+^{\nu}R$	$-^{\nu}T$	$+^{\nu}P$	$+^{\nu}Y$	$+^{\nu}Z$	$-^{\nu}U$	$+^{\nu}X$	$+^{\nu}E$	$-^{\nu}M$	$+^{\nu}Q$	$-^{\nu}iN$	$+^{\nu}iS$	$-^{\nu}iL$	$+^{\nu}iF$	$-^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iR$	$-^{\nu}iT$	$+^{\nu}iP$
$^{\nu}iZ$	$+^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iX$	$-^{\nu}iU$	$-^{\nu}iF$	$-^{\nu}iN$	$-^{\nu}iR$	$+^{\nu}M$	$+^{\nu}L$	$+^{\nu}S$	$+^{\nu}E$	$+^{\nu}D$	$+^{\nu}V$	$+^{\nu}Q$	$+^{\nu}P$	$+^{\nu}T$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}X$	$-^{\nu}U$	$-^{\nu}F$	$-^{\nu}N$	$-^{\nu}R$	$+^{\nu}iM$	$+^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iE$	$+^{\nu}iD$	$+^{\nu}iV$	$+^{\nu}iQ$	$+^{\nu}iP$	$+^{\nu}iT$
$^{\nu}iP$	$+^{\nu}iP$	$-^{\nu}iT$	$-^{\nu}iR$	$-^{\nu}iQ$	$-^{\nu}iL$	$-^{\nu}iD$	$-^{\nu}iX$	$+^{\nu}V$	$+^{\nu}F$	$+^{\nu}E$	$+^{\nu}S$	$+^{\nu}N$	$+^{\nu}M$	$+^{\nu}U$	$+^{\nu}Z$	$+^{\nu}Y$	$+^{\nu}P$	$-^{\nu}T$	$-^{\nu}R$	$-^{\nu}Q$	$-^{\nu}L$	$-^{\nu}D$	$-^{\nu}X$	$+^{\nu}iV$	$+^{\nu}iF$	$+^{\nu}iE$	$+^{\nu}iS$	$+^{\nu}iN$	$+^{\nu}iM$	$+^{\nu}iU$	$+^{\nu}iZ$	$+^{\nu}iY$
$^{\nu}iQ$	$+^{\nu}iQ$	$-^{\nu}iR$	$+^{\nu}iT$	$+^{\nu}iP$	$+^{\nu}iM$	$+^{\nu}iE$	$-^{\nu}iY$	$-^{\nu}F$	$+^{\nu}V$	$+^{\nu}D$	$-^{\nu}N$	$+^{\nu}S$	$+^{\nu}L$	$+^{\nu}Z$	$-^{\nu}U$	$-^{\nu}X$	$+^{\nu}Q$	$-^{\nu}R$	$+^{\nu}T$	$+^{\nu}P$	$+^{\nu}M$	$+^{\nu}E$	$-^{\nu}Y$	$-^{\nu}iF$	$+^{\nu}iV$	$+^{\nu}iD$	$-^{\nu}iN$	$+^{\nu}iS$	$+^{\nu}iL$	$+^{\nu}iZ$	$-^{\nu}iU$	$-^{\nu}iX$
$^{\nu}iR$	$+^{\nu}iR$	$+^{\nu}iQ$	$+^{\nu}iP$	$-^{\nu}iT$	$-^{\nu}iN$	$+^{\nu}iF$	$+^{\nu}iZ$	$+^{\nu}E$	$+^{\nu}D$	$-^{\nu}V$	$-^{\nu}M$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}Y$	$+^{\nu}X$	$-^{\nu}U$	$+^{\nu}R$	$+^{\nu}Q$	$+^{\nu}P$	$-^{\nu}T$	$-^{\nu}N$	$+^{\nu}F$	$+^{\nu}Z$	$+^{\nu}iE$	$+^{\nu}iD$	$-^{\nu}iV$	$-^{\nu}iM$	$-^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iY$	$+^{\nu}iX$	$-^{\nu}iU$
$^{\nu}iD$	$+^{\nu}iD$	$-^{\nu}iV$	$+^{\nu}iF$	$+^{\nu}iE$	$+^{\nu}iX$	$+^{\nu}iP$	$-^{\nu}iL$	$-^{\nu}T$	$+^{\nu}R$	$+^{\nu}Q$	$-^{\nu}U$	$+^{\nu}Z$	$+^{\nu}Y$	$+^{\nu}S$	$-^{\nu}N$	$-^{\nu}M$	$+^{\nu}D$	$-^{\nu}V$	$+^{\nu}F$	$+^{\nu}E$	$+^{\nu}X$	$+^{\nu}P$	$-^{\nu}L$	$-^{\nu}iT$	$+^{\nu}iR$	$+^{\nu}iQ$	$-^{\nu}iU$	$+^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iS$	$-^{\nu}iN$	$-^{\nu}iM$
$^{\nu}iE$	$+^{\nu}iE$	$-^{\nu}iF$	$-^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iY$	$-^{\nu}iQ$	$-^{\nu}iM$	$+^{\nu}R$	$+^{\nu}T$	$+^{\nu}P$	$+^{\nu}Z$	$+^{\nu}U$	$+^{\nu}X$	$+^{\nu}N$	$+^{\nu}S$	$+^{\nu}L$	$+^{\nu}E$	$-^{\nu}F$	$-^{\nu}V$	$-^{\nu}D$	$-^{\nu}Y$	$-^{\nu}Q$	$-^{\nu}M$	$+^{\nu}iR$	$+^{\nu}iT$	$+^{\nu}iP$	$+^{\nu}iZ$	$+^{\nu}iU$	$+^{\nu}iX$	$+^{\nu}iN$	$+^{\nu}iS$	$+^{\nu}iL$
$^{\nu}iF$	$+^{\nu}iF$	$+^{\nu}iE$	$-^{\nu}iD$	$+^{\nu}iV$	$+^{\nu}iZ$	$-^{\nu}iR$	$+^{\nu}iN$	$-^{\nu}Q$	$+^{\nu}P$	$-^{\nu}T$	$+^{\nu}Y$	$-^{\nu}X$	$+^{\nu}U$	$+^{\nu}M$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}F$	$+^{\nu}E$	$-^{\nu}D$	$+^{\nu}V$	$+^{\nu}Z$	$-^{\nu}R$	$+^{\nu}N$	$-^{\nu}iQ$	$+^{\nu}iP$	$-^{\nu}iT$	$+^{\nu}iY$	$-^{\nu}iX$	$+^{\nu}iU$	$+^{\nu}iM$	$-^{\nu}iL$	$+^{\nu}iS$
$^{\nu}iS$	$+^{\nu}iS$	$-^{\nu}iL$	$-^{\nu}iM$	$-^{\nu}iN$	$-^{\nu}iT$	$-^{\nu}iU$	$-^{\nu}iV$	$+^{\nu}X$	$+^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}P$	$+^{\nu}Q$	$+^{\nu}R$	$+^{\nu}D$	$+^{\nu}E$	$+^{\nu}F$	$+^{\nu}S$	$-^{\nu}L$	$-^{\nu}M$	$-^{\nu}N$	$-^{\nu}T$	$-^{\nu}U$	$-^{\nu}V$	$+^{\nu}iX$	$+^{\nu}iY$	$+^{\nu}iZ$	$+^{\nu}iP$	$+^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iD$	$+^{\nu}iE$	$+^{\nu}iF$
$^{\nu}iL$	$+^{\nu}iL$	$+^{\nu}iS$	$-^{\nu}iN$	$+^{\nu}iM$	$+^{\nu}iP$	$-^{\nu}iX$	$+^{\nu}iD$	$-^{\nu}U$	$+^{\nu}Z$	$-^{\nu}Y$	$+^{\nu}T$	$-^{\nu}R$	$+^{\nu}Q$	$+^{\nu}V$	$-^{\nu}F$	$+^{\nu}E$	$+^{\nu}L$	$+^{\nu}S$	$-^{\nu}N$	$+^{\nu}M$	$+^{\nu}P$	$-^{\nu}X$	$+^{\nu}D$	$-^{\nu}iU$	$+^{\nu}iZ$	$-^{\nu}iY$	$+^{\nu}iT$	$-^{\nu}iR$	$+^{\nu}iQ$	$+^{\nu}iV$	$-^{\nu}iF$	$+^{\nu}iE$
$^{\nu}iM$	$+^{\nu}iM$	$+^{\nu}iN$	$+^{\nu}iS$	$-^{\nu}iL$	$-^{\nu}iQ$	$+^{\nu}iY$	$+^{\nu}iE$	$+^{\nu}Z$	$+^{\nu}U$	$-^{\nu}X$	$-^{\nu}R$	$-^{\nu}T$	$+^{\nu}P$	$+^{\nu}F$	$+^{\nu}V$	$-^{\nu}D$	$+^{\nu}M$	$+^{\nu}N$	$+^{\nu}S$	$-^{\nu}L$	$-^{\nu}Q$	$+^{\nu}Y$	$+^{\nu}E$	$+^{\nu}iZ$	$+^{\nu}iU$	$-^{\nu}iX$	$-^{\nu}iR$	$-^{\nu}iT$	$+^{\nu}iP$	$+^{\nu}iF$	$+^{\nu}iV$	$-^{\nu}iD$
$^{\nu}iN$	$+^{\nu}iN$	$-^{\nu}iM$	$+^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iR$	$+^{\nu}iZ$	$-^{\nu}iF$	$-^{\nu}Y$	$+^{\nu}X$	$+^{\nu}U$	$-^{\nu}Q$	$+^{\nu}P$	$+^{\nu}T$	$+^{\nu}E$	$-^{\nu}D$	$-^{\nu}V$	$+^{\nu}N$	$-^{\nu}M$	$+^{\nu}L$	$+^{\nu}S$	$+^{\nu}R$	$+^{\nu}Z$	$-^{\nu}F$	$-^{\nu}iY$	$+^{\nu}iX$	$+^{\nu}iU$	$-^{\nu}iQ$	$+^{\nu}iP$	$+^{\nu}iT$	$+^{\nu}iE$	$-^{\nu}iD$	$-^{\nu}iV$
$^{\nu}iT$	$+^{\nu}iT$	$+^{\nu}iP$	$-^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iS$	$-^{\nu}iV$	$+^{\nu}iU$	$-^{\nu}D$	$+^{\nu}E$	$-^{\nu}F$	$+^{\nu}L$	$-^{\nu}M$	$+^{\nu}N$	$+^{\nu}X$	$-^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}T$	$+^{\nu}P$	$-^{\nu}Q$	$+^{\nu}R$	$+^{\nu}S$	$-^{\nu}V$	$+^{\nu}U$	$-^{\nu}iD$	$+^{\nu}iE$	$-^{\nu}iF$	$+^{\nu}iL$	$-^{\nu}iM$	$+^{\nu}iN$	$+^{\nu}iX$	$-^{\nu}iY$	$+^{\nu}iZ$
$^{\nu}iU$	$+^{\nu}iU$	$-^{\nu}iX$	$+^{\nu}iY$	$+^{\nu}iZ$	$+^{\nu}iV$	$+^{\nu}iS$	$-^{\nu}iT$	$-^{\nu}L$	$+^{\nu}M$	$+^{\nu}N$	$-^{\nu}D$	$+^{\nu}E$	$+^{\nu}F$	$+^{\nu}P$	$-^{\nu}Q$	$-^{\nu}R$	$+^{\nu}U$	$-^{\nu}X$	$+^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}V$	$+^{\nu}S$	$-^{\nu}T$	$-^{\nu}iL$	$+^{\nu}iM$	$+^{\nu}iN$	$-^{\nu}iD$	$+^{\nu}iE$	$+^{\nu}iF$	$+^{\nu}iP$	$-^{\nu}iQ$	$-^{\nu}iR$
$^{\nu}iV$	$+^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iE$	$-^{\nu}iF$	$-^{\nu}iU$	$+^{\nu}iT$	$+^{\nu}iS$	$+^{\nu}P$	$+^{\nu}Q$	$-^{\nu}R$	$-^{\nu}X$	$-^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}L$	$+^{\nu}M$	$-^{\nu}N$	$+^{\nu}V$	$+^{\nu}D$	$+^{\nu}E$	$-^{\nu}F$	$-^{\nu}U$	$+^{\nu}T$	$+^{\nu}S$	$+^{\nu}iP$	$+^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iX$	$-^{\nu}iY$	$+^{\nu}iZ$	$+^{\nu}iL$	$+^{\nu}iM$	$-^{\nu}iN$
$^{\nu}X$	$+^{\nu}X$	$+^{\nu}U$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}D$	$+^{\nu}L$	$+^{\nu}P$	$-^{\nu}iS$	$-^{\nu}iN$	$+^{\nu}iM$	$+^{\nu}iV$	$+^{\nu}iF$	$-^{\nu}iE$	$-^{\nu}iT$	$-^{\nu}iR$	$+^{\nu}iQ$	$-^{\nu}iX$	$-^{\nu}iU$	$-^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iD$	$-^{\nu}iL$	$-^{\nu}iP$	$+^{\nu}S$	$+^{\nu}N$	$-^{\nu}M$	$-^{\nu}V$	$-^{\nu}F$	$+^{\nu}E$	$+^{\nu}T$	$+^{\nu}R$	$-^{\nu}Q$
$^{\nu}Y$	$+^{\nu}Y$	$+^{\nu}Z$	$-^{\nu}U$	$+^{\nu}X$	$+^{\nu}E$	$-^{\nu}M$	$+^{\nu}Q$	$+^{\nu}iN$	$-^{\nu}iS$	$+^{\nu}iL$	$-^{\nu}iF$	$+^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iR$	$+^{\nu}iT$	$-^{\nu}iP$	$-^{\nu}iY$	$-^{\nu}iZ$	$+^{\nu}iU$	$-^{\nu}iX$	$-^{\nu}iE$	$+^{\nu}iM$	$-^{\nu}iQ$	$-^{\nu}N$	$+^{\nu}S$	$-^{\nu}L$	$+^{\nu}F$	$-^{\nu}V$	$+^{\nu}D$	$+^{\nu}R$	$-^{\nu}T$	$+^{\nu}P$
$^{\nu}Z$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}X$	$-^{\nu}U$	$-^{\nu}F$	$-^{\nu}N$	$-^{\nu}R$	$-^{\nu}iM$	$-^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iE$	$-^{\nu}iD$	$-^{\nu}iV$	$-^{\nu}iQ$	$-^{\nu}iP$	$-^{\nu}iT$	$-^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iX$	$+^{\nu}iU$	$+^{\nu}iF$	$+^{\nu}iN$	$+^{\nu}iR$	$+^{\nu}M$	$+^{\nu}L$	$+^{\nu}S$	$+^{\nu}E$	$+^{\nu}D$	$+^{\nu}V$	$+^{\nu}Q$	$+^{\nu}P$	$+^{\nu}T$
$^{\nu}P$	$+^{\nu}P$	$-^{\nu}T$	$-^{\nu}R$	$-^{\nu}Q$	$-^{\nu}L$	$-^{\nu}D$	$-^{\nu}X$	$-^{\nu}iV$	$-^{\nu}iF$	$-^{\nu}iE$	$-^{\nu}iS$	$-^{\nu}iN$	$-^{\nu}iM$	$-^{\nu}iU$	$-^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iP$	$+^{\nu}iT$	$+^{\nu}iR$	$+^{\nu}iQ$	$+^{\nu}iL$	$+^{\nu}iD$	$+^{\nu}iX$	$+^{\nu}V$	$+^{\nu}F$	$+^{\nu}E$	$+^{\nu}S$	$+^{\nu}N$	$+^{\nu}M$	$+^{\nu}U$	$+^{\nu}Z$	$+^{\nu}Y$
$^{\nu}Q$	$+^{\nu}Q$	$-^{\nu}R$	$+^{\nu}T$	$+^{\nu}P$	$+^{\nu}M$	$+^{\nu}E$	$-^{\nu}Y$	$+^{\nu}iF$	$-^{\nu}iV$	$-^{\nu}iD$	$+^{\nu}iN$	$-^{\nu}iS$	$-^{\nu}iL$	$-^{\nu}iZ$	$+^{\nu}iU$	$+^{\nu}iX$	$-^{\nu}iQ$	$+^{\nu}iR$	$-^{\nu}iT$	$-^{\nu}iP$	$-^{\nu}iM$	$-^{\nu}iE$	$+^{\nu}iY$	$-^{\nu}F$	$+^{\nu}V$	$+^{\nu}D$	$-^{\nu}N$	$+^{\nu}S$	$+^{\nu}L$	$+^{\nu}Z$	$-^{\nu}U$	$-^{\nu}X$
$^{\nu}R$	$+^{\nu}R$	$+^{\nu}Q$	$+^{\nu}P$	$-^{\nu}T$	$-^{\nu}N$	$+^{\nu}F$	$+^{\nu}Z$	$-^{\nu}iE$	$-^{\nu}iD$	$+^{\nu}iV$	$+^{\nu}iM$	$+^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iY$	$-^{\nu}iX$	$+^{\nu}iU$	$-^{\nu}iR$	$-^{\nu}iQ$	$-^{\nu}iP$	$+^{\nu}iT$	$+^{\nu}iN$	$-^{\nu}iF$	$-^{\nu}iZ$	$+^{\nu}E$	$+^{\nu}D$	$-^{\nu}V$	$-^{\nu}M$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}Y$	$+^{\nu}X$	$-^{\nu}U$
$^{\nu}D$	$+^{\nu}D$	$-^{\nu}V$	$+^{\nu}F$	$+^{\nu}E$	$+^{\nu}X$	$+^{\nu}P$	$-^{\nu}L$	$+^{\nu}iT$	$-^{\nu}iR$	$-^{\nu}iQ$	$+^{\nu}iU$	$-^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iS$	$+^{\nu}iN$	$+^{\nu}iM$	$-^{\nu}iD$	$+^{\nu}iV$	$-^{\nu}iF$	$-^{\nu}iE$	$-^{\nu}iX$	$-^{\nu}iP$	$+^{\nu}iL$	$-^{\nu}T$	$+^{\nu}R$	$+^{\nu}Q$	$-^{\nu}U$	$+^{\nu}Z$	$+^{\nu}Y$	$+^{\nu}S$	$-^{\nu}N$	$-^{\nu}M$
$^{\nu}E$	$+^{\nu}E$	$-^{\nu}F$	$-^{\nu}V$	$-^{\nu}D$	$-^{\nu}Y$	$-^{\nu}Q$	$-^{\nu}M$	$-^{\nu}iR$	$-^{\nu}iT$	$-^{\nu}iP$	$-^{\nu}iZ$	$-^{\nu}iU$	$-^{\nu}iX$	$-^{\nu}iN$	$-^{\nu}iS$	$-^{\nu}iL$	$-^{\nu}iE$	$+^{\nu}iF$	$+^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iY$	$+^{\nu}iQ$	$+^{\nu}iM$	$+^{\nu}R$	$+^{\nu}T$	$+^{\nu}P$	$+^{\nu}Z$	$+^{\nu}U$	$+^{\nu}X$	$+^{\nu}N$	$+^{\nu}S$	$+^{\nu}L$
$^{\nu}F$	$+^{\nu}F$	$+^{\nu}E$	$-^{\nu}D$	$+^{\nu}V$	$+^{\nu}Z$	$-^{\nu}R$	$+^{\nu}N$	$+^{\nu}iQ$	$-^{\nu}iP$	$+^{\nu}iT$	$-^{\nu}iY$	$+^{\nu}iX$	$-^{\nu}iU$	$-^{\nu}iM$	$+^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iF$	$-^{\nu}iE$	$+^{\nu}iD$	$-^{\nu}iV$	$-^{\nu}iZ$	$+^{\nu}iR$	$-^{\nu}iN$	$-^{\nu}Q$	$+^{\nu}P$	$-^{\nu}T$	$+^{\nu}Y$	$-^{\nu}X$	$+^{\nu}U$	$+^{\nu}M$	$-^{\nu}L$	$+^{\nu}S$

TABLE 4. Kaotic Algebra multiplication table, part A2

	S	L	M	N	T	U	V	iX	iY	iZ	iP	iQ	iR	iD	iE	iF	iS	iL	iM	iN	iT	iU	iV	X	Y	Z	P	Q	R	D	E	F
$^{\mu}S$	$+^{\mu}S$	$-^{\mu}L$	$-^{\mu}M$	$-^{\mu}N$	$-^{\mu}T$	$-^{\mu}U$	$-^{\mu}V$	$-^{\mu}iX$	$-^{\mu}iY$	$-^{\mu}iZ$	$-^{\mu}iP$	$-^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iD$	$-^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iT$	$+^{\mu}iU$	$+^{\mu}iV$	$+^{\mu}X$	$+^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}P$	$+^{\mu}Q$	$+^{\mu}R$	$+^{\mu}D$	$+^{\mu}E$	$+^{\mu}F$
$^{\mu}L$	$+^{\mu}L$	$+^{\mu}S$	$-^{\mu}N$	$+^{\mu}M$	$+^{\mu}P$	$-^{\mu}X$	$+^{\mu}D$	$+^{\mu}iU$	$-^{\mu}iZ$	$+^{\mu}iY$	$-^{\mu}iT$	$+^{\mu}iR$	$-^{\mu}iQ$	$-^{\mu}iV$	$+^{\mu}iF$	$-^{\mu}iE$	$-^{\mu}iL$	$-^{\mu}iS$	$+^{\mu}iN$	$-^{\mu}iM$	$-^{\mu}iP$	$+^{\mu}iX$	$-^{\mu}iD$	$-^{\mu}U$	$+^{\mu}Z$	$-^{\mu}Y$	$+^{\mu}T$	$-^{\mu}R$	$+^{\mu}Q$	$+^{\mu}V$	$-^{\mu}F$	$+^{\mu}E$
$^{\mu}M$	$+^{\mu}M$	$+^{\mu}N$	$+^{\mu}S$	$-^{\mu}L$	$-^{\mu}Q$	$+^{\mu}Y$	$+^{\mu}E$	$-^{\mu}iZ$	$-^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iR$	$+^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iF$	$-^{\mu}iV$	$+^{\mu}iD$	$-^{\mu}iM$	$-^{\mu}iN$	$-^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iQ$	$-^{\mu}iY$	$-^{\mu}iE$	$+^{\mu}Z$	$+^{\mu}U$	$-^{\mu}X$	$-^{\mu}R$	$-^{\mu}T$	$+^{\mu}P$	$+^{\mu}F$	$+^{\mu}V$	$-^{\mu}D$
$^{\mu}N$	$+^{\mu}N$	$-^{\mu}M$	$+^{\mu}L$	$+^{\mu}S$	$+^{\mu}R$	$+^{\mu}Z$	$-^{\mu}F$	$+^{\mu}iY$	$-^{\mu}iX$	$-^{\mu}iU$	$+^{\mu}iQ$	$-^{\mu}iP$	$-^{\mu}iT$	$-^{\mu}iE$	$+^{\mu}iD$	$+^{\mu}iV$	$-^{\mu}iN$	$+^{\mu}iM$	$-^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iR$	$-^{\mu}iZ$	$+^{\mu}iF$	$-^{\mu}Y$	$+^{\mu}X$	$+^{\mu}U$	$-^{\mu}Q$	$+^{\mu}P$	$+^{\mu}T$	$+^{\mu}E$	$-^{\mu}D$	$-^{\mu}V$
$^{\mu}T$	$+^{\mu}T$	$+^{\mu}P$	$-^{\mu}Q$	$+^{\mu}R$	$+^{\mu}S$	$-^{\mu}V$	$+^{\mu}U$	$+^{\mu}iD$	$-^{\mu}iE$	$+^{\mu}iF$	$-^{\mu}iL$	$+^{\mu}iM$	$-^{\mu}iN$	$-^{\mu}iX$	$+^{\mu}iY$	$-^{\mu}iZ$	$-^{\mu}iT$	$-^{\mu}iP$	$+^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iS$	$+^{\mu}iV$	$-^{\mu}iU$	$-^{\mu}D$	$+^{\mu}E$	$-^{\mu}F$	$+^{\mu}L$	$-^{\mu}M$	$+^{\mu}N$	$+^{\mu}X$	$-^{\mu}Y$	$+^{\mu}Z$
$^{\mu}U$	$+^{\mu}U$	$-^{\mu}X$	$+^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}V$	$+^{\mu}S$	$-^{\mu}T$	$+^{\mu}iL$	$-^{\mu}iM$	$-^{\mu}iN$	$+^{\mu}iD$	$-^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iP$	$+^{\mu}iQ$	$+^{\mu}iR$	$-^{\mu}iU$	$+^{\mu}iX$	$-^{\mu}iY$	$-^{\mu}iZ$	$-^{\mu}iV$	$-^{\mu}iS$	$+^{\mu}iT$	$-^{\mu}L$	$+^{\mu}M$	$+^{\mu}N$	$-^{\mu}D$	$+^{\mu}E$	$+^{\mu}F$	$+^{\mu}P$	$-^{\mu}Q$	$-^{\mu}R$
$^{\mu}V$	$+^{\mu}V$	$+^{\mu}D$	$+^{\mu}E$	$-^{\mu}F$	$-^{\mu}U$	$+^{\mu}T$	$+^{\mu}S$	$-^{\mu}iP$	$-^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iX$	$+^{\mu}iY$	$-^{\mu}iZ$	$-^{\mu}iL$	$-^{\mu}iM$	$+^{\mu}iN$	$-^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iE$	$+^{\mu}iF$	$+^{\mu}iU$	$-^{\mu}iT$	$-^{\mu}iS$	$+^{\mu}P$	$+^{\mu}Q$	$-^{\mu}R$	$-^{\mu}X$	$-^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}L$	$+^{\mu}M$	$-^{\mu}N$
$^{\mu}iX$	$+^{\mu}iX$	$+^{\mu}iU$	$+^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iD$	$+^{\mu}iL$	$+^{\mu}iP$	$+^{\mu}S$	$+^{\mu}N$	$-^{\mu}M$	$-^{\mu}V$	$-^{\mu}F$	$+^{\mu}E$	$+^{\mu}T$	$+^{\mu}R$	$-^{\mu}Q$	$+^{\mu}X$	$+^{\mu}U$	$+^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}D$	$+^{\mu}L$	$+^{\mu}P$	$+^{\mu}iS$	$+^{\mu}iN$	$-^{\mu}iM$	$-^{\mu}iV$	$-^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iT$	$+^{\mu}iR$	$-^{\mu}iQ$
$^{\mu}iY$	$+^{\mu}iY$	$+^{\mu}iZ$	$-^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iE$	$-^{\mu}iM$	$+^{\mu}iQ$	$-^{\mu}N$	$+^{\mu}S$	$-^{\mu}L$	$+^{\mu}F$	$-^{\mu}V$	$+^{\mu}D$	$+^{\mu}R$	$-^{\mu}T$	$+^{\mu}P$	$+^{\mu}Y$	$+^{\mu}Z$	$-^{\mu}U$	$+^{\mu}X$	$+^{\mu}E$	$-^{\mu}M$	$+^{\mu}Q$	$-^{\mu}iN$	$+^{\mu}iS$	$-^{\mu}iL$	$+^{\mu}iF$	$-^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iR$	$-^{\mu}iT$	$+^{\mu}iP$
$^{\mu}iZ$	$+^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iX$	$-^{\mu}iU$	$-^{\mu}iF$	$-^{\mu}iN$	$-^{\mu}iR$	$+^{\mu}M$	$+^{\mu}L$	$+^{\mu}S$	$+^{\mu}E$	$+^{\mu}D$	$+^{\mu}V$	$+^{\mu}Q$	$+^{\mu}P$	$+^{\mu}T$	$+^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}X$	$-^{\mu}U$	$-^{\mu}F$	$-^{\mu}N$	$-^{\mu}R$	$+^{\mu}iM$	$+^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iE$	$+^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iQ$	$+^{\mu}iP$	$+^{\mu}iT$
$^{\mu}iP$	$+^{\mu}iP$	$-^{\mu}iT$	$-^{\mu}iR$	$-^{\mu}iQ$	$-^{\mu}iL$	$-^{\mu}iD$	$-^{\mu}iX$	$+^{\mu}V$	$+^{\mu}F$	$+^{\mu}E$	$+^{\mu}S$	$+^{\mu}N$	$+^{\mu}M$	$+^{\mu}U$	$+^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}P$	$-^{\mu}T$	$-^{\mu}R$	$-^{\mu}Q$	$-^{\mu}L$	$-^{\mu}D$	$-^{\mu}X$	$+^{\mu}iV$	$+^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iS$	$+^{\mu}iN$	$+^{\mu}iM$	$+^{\mu}iU$	$+^{\mu}iZ$	$+^{\mu}iY$
$^{\mu}iQ$	$+^{\mu}iQ$	$-^{\mu}iR$	$+^{\mu}iT$	$+^{\mu}iP$	$+^{\mu}iM$	$+^{\mu}iE$	$-^{\mu}iY$	$-^{\mu}F$	$+^{\mu}V$	$+^{\mu}D$	$-^{\mu}N$	$+^{\mu}S$	$+^{\mu}L$	$+^{\mu}Z$	$-^{\mu}U$	$-^{\mu}X$	$+^{\mu}Q$	$-^{\mu}R$	$+^{\mu}T$	$+^{\mu}P$	$+^{\mu}M$	$+^{\mu}E$	$-^{\mu}Y$	$-^{\mu}iF$	$+^{\mu}iV$	$+^{\mu}iD$	$-^{\mu}iN$	$+^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iZ$	$-^{\mu}iU$	$-^{\mu}iX$
$^{\mu}iR$	$+^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iP$	$-^{\mu}iT$	$-^{\mu}iN$	$+^{\mu}iF$	$+^{\mu}iZ$	$+^{\mu}E$	$+^{\mu}D$	$-^{\mu}V$	$-^{\mu}M$	$-^{\mu}L$	$+^{\mu}S$	$+^{\mu}Y$	$+^{\mu}X$	$-^{\mu}U$	$+^{\mu}R$	$+^{\mu}Q$	$+^{\mu}P$	$-^{\mu}T$	$-^{\mu}N$	$+^{\mu}F$	$+^{\mu}Z$	$+^{\mu}iE$	$+^{\mu}iD$	$-^{\mu}iV$	$-^{\mu}iM$	$-^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iY$	$+^{\mu}iX$	$-^{\mu}iU$
$^{\mu}iD$	$+^{\mu}iD$	$-^{\mu}iV$	$+^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iX$	$+^{\mu}iP$	$-^{\mu}iL$	$-^{\mu}T$	$+^{\mu}R$	$+^{\mu}Q$	$-^{\mu}U$	$+^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}S$	$-^{\mu}N$	$-^{\mu}M$	$+^{\mu}D$	$-^{\mu}V$	$+^{\mu}F$	$+^{\mu}E$	$+^{\mu}X$	$+^{\mu}P$	$-^{\mu}L$	$-^{\mu}iT$	$+^{\mu}iR$	$+^{\mu}iQ$	$-^{\mu}iU$	$+^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iS$	$-^{\mu}iN$	$-^{\mu}iM$
$^{\mu}iE$	$+^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iY$	$-^{\mu}iQ$	$-^{\mu}iM$	$+^{\mu}R$	$+^{\mu}T$	$+^{\mu}P$	$+^{\mu}Z$	$+^{\mu}U$	$+^{\mu}X$	$+^{\mu}N$	$+^{\mu}S$	$+^{\mu}L$	$+^{\mu}E$	$-^{\mu}F$	$-^{\mu}V$	$-^{\mu}D$	$-^{\mu}Y$	$-^{\mu}Q$	$-^{\mu}M$	$+^{\mu}iR$	$+^{\mu}iT$	$+^{\mu}iP$	$+^{\mu}iZ$	$+^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iN$	$+^{\mu}iS$	$+^{\mu}iL$
$^{\mu}iF$	$+^{\mu}iF$	$+^{\mu}iE$	$-^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iZ$	$-^{\mu}iR$	$+^{\mu}iN$	$-^{\mu}Q$	$+^{\mu}P$	$-^{\mu}T$	$+^{\mu}Y$	$-^{\mu}X$	$+^{\mu}U$	$+^{\mu}M$	$-^{\mu}L$	$+^{\mu}S$	$+^{\mu}F$	$+^{\mu}E$	$-^{\mu}D$	$+^{\mu}V$	$+^{\mu}Z$	$-^{\mu}R$	$+^{\mu}N$	$-^{\mu}iQ$	$+^{\mu}iP$	$-^{\mu}iT$	$+^{\mu}iY$	$-^{\mu}iX$	$+^{\mu}iU$	$+^{\mu}iM$	$-^{\mu}iL$	$+^{\mu}iS$
$^{\mu}iS$	$+^{\mu}iS$	$-^{\mu}iL$	$-^{\mu}iM$	$-^{\mu}iN$	$-^{\mu}iT$	$-^{\mu}iU$	$-^{\mu}iV$	$+^{\mu}X$	$+^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}P$	$+^{\mu}Q$	$+^{\mu}R$	$+^{\mu}D$	$+^{\mu}E$	$+^{\mu}F$	$+^{\mu}S$	$-^{\mu}L$	$-^{\mu}M$	$-^{\mu}N$	$-^{\mu}T$	$-^{\mu}U$	$-^{\mu}V$	$+^{\mu}iX$	$+^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iP$	$+^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iD$	$+^{\mu}iE$	$+^{\mu}iF$
$^{\mu}iL$	$+^{\mu}iL$	$+^{\mu}iS$	$-^{\mu}iN$	$+^{\mu}iM$	$+^{\mu}iP$	$-^{\mu}iX$	$+^{\mu}iD$	$-^{\mu}U$	$+^{\mu}Z$	$-^{\mu}Y$	$+^{\mu}T$	$-^{\mu}R$	$+^{\mu}Q$	$+^{\mu}V$	$-^{\mu}F$	$+^{\mu}E$	$+^{\mu}L$	$+^{\mu}S$	$-^{\mu}N$	$+^{\mu}M$	$+^{\mu}P$	$-^{\mu}X$	$+^{\mu}D$	$-^{\mu}iU$	$+^{\mu}iZ$	$-^{\mu}iY$	$+^{\mu}iT$	$-^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iV$	$-^{\mu}iF$	$+^{\mu}iE$
$^{\mu}iM$	$+^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iS$	$-^{\mu}iL$	$-^{\mu}iQ$	$+^{\mu}iY$	$+^{\mu}iE$	$+^{\mu}Z$	$+^{\mu}U$	$-^{\mu}X$	$-^{\mu}R$	$-^{\mu}T$	$+^{\mu}P$	$+^{\mu}F$	$+^{\mu}V$	$-^{\mu}D$	$+^{\mu}M$	$+^{\mu}N$	$+^{\mu}S$	$-^{\mu}L$	$-^{\mu}Q$	$+^{\mu}Y$	$+^{\mu}E$	$+^{\mu}iZ$	$+^{\mu}iU$	$-^{\mu}iX$	$-^{\mu}iR$	$-^{\mu}iT$	$+^{\mu}iP$	$+^{\mu}iF$	$+^{\mu}iV$	$-^{\mu}iD$
$^{\mu}iN$	$+^{\mu}iN$	$-^{\mu}iM$	$+^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iR$	$+^{\mu}iZ$	$-^{\mu}iF$	$-^{\mu}Y$	$+^{\mu}X$	$+^{\mu}U$	$-^{\mu}Q$	$+^{\mu}P$	$+^{\mu}T$	$+^{\mu}E$	$-^{\mu}D$	$-^{\mu}V$	$+^{\mu}N$	$-^{\mu}M$	$+^{\mu}L$	$+^{\mu}S$	$+^{\mu}R$	$+^{\mu}Z$	$-^{\mu}F$	$-^{\mu}iY$	$+^{\mu}iX$	$+^{\mu}iU$	$-^{\mu}iQ$	$+^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iE$	$-^{\mu}iD$	$-^{\mu}iV$
$^{\mu}iT$	$+^{\mu}iT$	$+^{\mu}iP$	$-^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iS$	$-^{\mu}iV$	$+^{\mu}iU$	$-^{\mu}D$	$+^{\mu}E$	$-^{\mu}F$	$+^{\mu}L$	$-^{\mu}M$	$+^{\mu}N$	$+^{\mu}X$	$-^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}T$	$+^{\mu}P$	$-^{\mu}Q$	$+^{\mu}R$	$+^{\mu}S$	$-^{\mu}V$	$+^{\mu}U$	$-^{\mu}iD$	$+^{\mu}iE$	$-^{\mu}iF$	$+^{\mu}iL$	$-^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iX$	$-^{\mu}iY$	$+^{\mu}iZ$
$^{\mu}iU$	$+^{\mu}iU$	$-^{\mu}iX$	$+^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iV$	$+^{\mu}iS$	$-^{\mu}iT$	$-^{\mu}L$	$+^{\mu}M$	$+^{\mu}N$	$-^{\mu}D$	$+^{\mu}E$	$+^{\mu}F$	$+^{\mu}P$	$-^{\mu}Q$	$-^{\mu}R$	$+^{\mu}U$	$-^{\mu}X$	$+^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}V$	$+^{\mu}S$	$-^{\mu}T$	$-^{\mu}iL$	$+^{\mu}iM$	$+^{\mu}iN$	$-^{\mu}iD$	$+^{\mu}iE$	$+^{\mu}iF$	$+^{\mu}iP$	$-^{\mu}iQ$	$-^{\mu}iR$
$^{\mu}iV$	$+^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iU$	$+^{\mu}iT$	$+^{\mu}iS$	$+^{\mu}P$	$+^{\mu}Q$	$-^{\mu}R$	$-^{\mu}X$	$-^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}L$	$+^{\mu}M$	$-^{\mu}N$	$+^{\mu}V$	$+^{\mu}D$	$+^{\mu}E$	$-^{\mu}F$	$-^{\mu}U$	$+^{\mu}T$	$+^{\mu}S$	$+^{\mu}iP$	$+^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iX$	$-^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iL$	$+^{\mu}iM$	$-^{\mu}iN$
$^{\mu}X$	$+^{\mu}X$	$+^{\mu}U$	$+^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}D$	$+^{\mu}L$	$+^{\mu}P$	$-^{\mu}iS$	$-^{\mu}iN$	$+^{\mu}iM$	$+^{\mu}iV$	$+^{\mu}iF$	$-^{\mu}iE$	$-^{\mu}iT$	$-^{\mu}iR$	$+^{\mu}iQ$	$-^{\mu}iX$	$-^{\mu}iU$	$-^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iD$	$-^{\mu}iL$	$-^{\mu}iP$	$+^{\mu}S$	$+^{\mu}N$	$-^{\mu}M$	$-^{\mu}V$	$-^{\mu}F$	$+^{\mu}E$	$+^{\mu}T$	$+^{\mu}R$	$-^{\mu}Q$
$^{\mu}Y$	$+^{\mu}Y$	$+^{\mu}Z$	$-^{\mu}U$	$+^{\mu}X$	$+^{\mu}E$	$-^{\mu}M$	$+^{\mu}Q$	$+^{\mu}iN$	$-^{\mu}iS$	$+^{\mu}iL$	$-^{\mu}iF$	$+^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iR$	$+^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iY$	$-^{\mu}iZ$	$+^{\mu}iU$	$-^{\mu}iX$	$-^{\mu}iE$	$+^{\mu}iM$	$-^{\mu}iQ$	$-^{\mu}N$	$+^{\mu}S$	$-^{\mu}L$	$+^{\mu}F$	$-^{\mu}V$	$+^{\mu}D$	$+^{\mu}R$	$-^{\mu}T$	$+^{\mu}P$
$^{\mu}Z$	$+^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}X$	$-^{\mu}U$	$-^{\mu}F$	$-^{\mu}N$	$-^{\mu}R$	$-^{\mu}iM$	$-^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iE$	$-^{\mu}iD$	$-^{\mu}iV$	$-^{\mu}iQ$	$-^{\mu}iP$	$-^{\mu}iT$	$-^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iX$	$+^{\mu}iU$	$+^{\mu}iF$	$+^{\mu}iN$	$+^{\mu}iR$	$+^{\mu}M$	$+^{\mu}L$	$+^{\mu}S$	$+^{\mu}E$	$+^{\mu}D$	$+^{\mu}V$	$+^{\mu}Q$	$+^{\mu}P$	$+^{\mu}T$
$^{\mu}P$	$+^{\mu}P$	$-^{\mu}T$	$-^{\mu}R$	$-^{\mu}Q$	$-^{\mu}L$	$-^{\mu}D$	$-^{\mu}X$	$-^{\mu}iV$	$-^{\mu}iF$	$-^{\mu}iE$	$-^{\mu}iS$	$-^{\mu}iN$	$-^{\mu}iM$	$-^{\mu}iU$	$-^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iL$	$+^{\mu}iD$	$+^{\mu}iX$	$+^{\mu}V$	$+^{\mu}F$	$+^{\mu}E$	$+^{\mu}S$	$+^{\mu}N$	$+^{\mu}M$	$+^{\mu}U$	$+^{\mu}Z$	$+^{\mu}Y$
$^{\mu}Q$	$+^{\mu}Q$	$-^{\mu}R$	$+^{\mu}T$	$+^{\mu}P$	$+^{\mu}M$	$+^{\mu}E$	$-^{\mu}Y$	$+^{\mu}iF$	$-^{\mu}iV$	$-^{\mu}iD$	$+^{\mu}iN$	$-^{\mu}iS$	$-^{\mu}iL$	$-^{\mu}iZ$	$+^{\mu}iU$	$+^{\mu}iX$	$-^{\mu}iQ$	$+^{\mu}iR$	$-^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iM$	$-^{\mu}iE$	$+^{\mu}iY$	$-^{\mu}F$	$+^{\mu}V$	$+^{\mu}D$	$-^{\mu}N$	$+^{\mu}S$	$+^{\mu}L$	$+^{\mu}Z$	$-^{\mu}U$	$-^{\mu}X$
$^{\mu}R$	$+^{\mu}R$	$+^{\mu}Q$	$+^{\mu}P$	$-^{\mu}T$	$-^{\mu}N$	$+^{\mu}F$	$+^{\mu}Z$	$-^{\mu}iE$	$-^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iM$	$+^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iY$	$-^{\mu}iX$	$+^{\mu}iU$	$-^{\mu}iR$	$-^{\mu}iQ$	$-^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iN$	$-^{\mu}iF$	$-^{\mu}iZ$	$+^{\mu}E$	$+^{\mu}D$	$-^{\mu}V$	$-^{\mu}M$	$-^{\mu}L$	$+^{\mu}S$	$+^{\mu}Y$	$+^{\mu}X$	$-^{\mu}U$
$^{\mu}D$	$+^{\mu}D$	$-^{\mu}V$	$+^{\mu}F$	$+^{\mu}E$	$+^{\mu}X$	$+^{\mu}P$	$-^{\mu}L$	$+^{\mu}iT$	$-^{\mu}iR$	$-^{\mu}iQ$	$+^{\mu}iU$	$-^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iS$	$+^{\mu}iN$	$+^{\mu}iM$	$-^{\mu}iD$	$+^{\mu}iV$	$-^{\mu}iF$	$-^{\mu}iE$	$-^{\mu}iX$	$-^{\mu}iP$	$+^{\mu}iL$	$-^{\mu}T$	$+^{\mu}R$	$+^{\mu}Q$	$-^{\mu}U$	$+^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}S$	$-^{\mu}N$	$-^{\mu}M$
$^{\mu}E$	$+^{\mu}E$	$-^{\mu}F$	$-^{\mu}V$	$-^{\mu}D$	$-^{\mu}Y$	$-^{\mu}Q$	$-^{\mu}M$	$-^{\mu}iR$	$-^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iZ$	$-^{\mu}iU$	$-^{\mu}iX$	$-^{\mu}iN$	$-^{\mu}iS$	$-^{\mu}iL$	$-^{\mu}iE$	$+^{\mu}iF$	$+^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iY$	$+^{\mu}iQ$	$+^{\mu}iM$	$+^{\mu}R$	$+^{\mu}T$	$+^{\mu}P$	$+^{\mu}Z$	$+^{\mu}U$	$+^{\mu}X$	$+^{\mu}N$	$+^{\mu}S$	$+^{\mu}L$
$^{\mu}F$	$+^{\mu}F$	$+^{\mu}E$	$-^{\mu}D$	$+^{\mu}V$	$+^{\mu}Z$	$-^{\mu}R$	$+^{\mu}N$	$+^{\mu}iQ$	$-^{\mu}iP$	$+^{\mu}iT$	$-^{\mu}iY$	$+^{\mu}iX$	$-^{\mu}iU$	$-^{\mu}iM$	$+^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iF$	$-^{\mu}iE$	$+^{\mu}iD$	$-^{\mu}iV$	$-^{\mu}iZ$	$+^{\mu}iR$	$-^{\mu}iN$	$-^{\mu}Q$	$+^{\mu}P$	$-^{\mu}T$	$+^{\mu}Y$	$-^{\mu}X$	$+^{\mu}U$	$+^{\mu}M$	$-^{\mu}L$	$+^{\mu}S$
$^{\lambda}S$	$+^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}M$	$+^{\lambda}N$	$+^{\lambda}T$	$+^{\lambda}U$	$+^{\lambda}V$	$+^{\lambda}iX$	$+^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iM$	$+^{\lambda}iN$	$+^{\lambda}iT$	$+^{\lambda}iU$	$+^{\lambda}iV$	$+^{\lambda}X$	$+^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}P$	$+^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}D$	$+^{\lambda}E$	$+^{\lambda}F$
$^{\lambda}L$	$+^{\lambda}L$	$-^{\lambda}S$	$+^{\lambda}N$	$-^{\lambda}M$	$-^{\lambda}P$	$+^{\lambda}X$	$-^{\lambda}D$	$-^{\lambda}iU$	$+^{\lambda}iZ$	$-^{\lambda}iY$	$+^{\lambda}iT$	$-^{\lambda}iR$	$+^{\lambda}iQ$	$+^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iL$	$-^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iP$	$+^{\lambda}iX$	$-^{\lambda}iD$	$-^{\lambda}U$	$+^{\lambda}Z$	$-^{\lambda}Y$	$+^{\lambda}T$	$-^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}V$	$-^{\lambda}F$	$+^{\lambda}E$
$^{\lambda}M$	$+^{\lambda}M$	$-^{\lambda}N$	$-^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}Q$	$-^{\lambda}Y$	$-^{\lambda}E$	$+^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iR$	$-^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iF$	$+^{\lambda}iV$	$-^{\lambda}iD$	$+^{\lambda}iM$	$-^{\lambda}iN$	$-^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iQ$	$-^{\lambda}iY$	$-^{\lambda}iE$	$+^{\lambda}Z$	$+^{\lambda}U$	$-^{\lambda}X$	$-^{\lambda}R$	$-^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}F$	$+^{\lambda}V$	$-^{\lambda}D$
$^{\lambda}N$	$+^{\lambda}N$	$+^{\lambda}M$	$-^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}R$	$-^{\lambda}Z$	$+^{\lambda}F$	$-^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iE$	$-^{\lambda}iD$	$-^{\lambda}iV$	$+^{\lambda}iN$	$+^{\lambda}iM$	$-^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iR$	$-^{\lambda}iZ$	$+^{\lambda}iF$	$-^{\lambda}Y$	$+^{\lambda}X$	$+^{\lambda}U$	$-^{\lambda}Q$	$+^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}E$	$-^{\lambda}D$	$-^{\lambda}V$
$^{\lambda}T$	$+^{\lambda}T$	$-^{\lambda}P$	$+^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}S$	$+^{\lambda}V$	$-^{\lambda}U$	$-^{\lambda}iD$	$+^{\lambda}iE$	$-^{\lambda}iF$	$+^{\lambda}iL$	$-^{\lambda}iM$	$+^{\lambda}iN$	$+^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iT$	$-^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iS$	$+^{\lambda}iV$	$-^{\lambda}iU$	$-^{\lambda}D$	$+^{\lambda}E$	$-^{\lambda}F$	$+^{\lambda}L$	$-^{\lambda}M$	$+^{\lambda}N$	$+^{\lambda}X$	$-^{\lambda}Y$	$+^{\lambda}Z$
$^{\lambda}U$	$+^{\lambda}U$	$+^{\lambda}X$	$-^{\lambda}Y$	$-^{\lambda}Z$	$-^{\lambda}V$	$-^{\lambda}S$	$+^{\lambda}T$	$-^{\lambda}iL$	$+^{\lambda}iM$	$+^{\lambda}iN$	$-^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iP$	$-^{\lambda}iQ$	$-^{\lambda}iR$	$+^{\lambda}iU$	$+^{\lambda}iX$	$-^{\lambda}iY$	$-^{\lambda}iZ$	$-^{\lambda}iV$	$-^{\lambda}iS$	$+^{\lambda}iT$	$-^{\lambda}L$	$+^{\lambda}M$	$+^{\lambda}N$	$-^{\lambda}D$	$+^{\lambda}E$	$+^{\lambda}F$	$+^{\lambda}P$	$-^{\lambda}Q$	$-^{\lambda}R$
$^{\lambda}V$	$+^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}E$	$+^{\lambda}F$	$+^{\lambda}U$	$-^{\lambda}T$	$-^{\lambda}S$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iL$	$+^{\lambda}iM$	$-^{\lambda}iN$	$+^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iU$	$-^{\lambda}iT$	$-^{\lambda}iS$	$+^{\lambda}P$	$+^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}X$	$-^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}L$	$+^{\lambda}M$	$-^{\lambda}N$
$^{\lambda}iX$	$+^{\lambda}iX$	$-^{\lambda}iU$	$-^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iD$	$-^{\lambda}iL$	$-^{\lambda}iP$	$-^{\lambda}S$	$-^{\lambda}N$	$+^{\lambda}M$	$+^{\lambda}V$	$+^{\lambda}F$	$-^{\lambda}E$	$-^{\lambda}T$	$-^{\lambda}R$	$+^{\lambda}Q$	$-^{\lambda}X$	$+^{\lambda}U$	$+^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}D$	$+^{\lambda}L$	$+^{\lambda}P$	$+^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iT$	$+^{\lambda}iR$	$-^{\lambda}iQ$
$^{\lambda}iY$	$+^{\lambda}iY$	$-^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iE$	$+^{\lambda}iM$	$-^{\lambda}iQ$	$+^{\lambda}N$	$-^{\lambda}S$	$+^{\lambda}L$	$-^{\lambda}F$	$+^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}R$	$+^{\lambda}T$	$-^{\lambda}P$	$-^{\lambda}Y$	$+^{\lambda}Z$	$-^{\lambda}U$	$+^{\lambda}X$	$+^{\lambda}E$	$-^{\lambda}M$	$+^{\lambda}Q$	$-^{\lambda}iN$	$+^{\lambda}iS$	$-^{\lambda}iL$	$+^{\lambda}iF$	$-^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iR$	$-^{\lambda}iT$	$+^{\lambda}iP$
$^{\lambda}iZ$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iF$	$+^{\lambda}iN$	$+^{\lambda}iR$	$-^{\lambda}M$	$-^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}E$	$-^{\lambda}D$	$-^{\lambda}V$	$-^{\lambda}Q$	$-^{\lambda}P$	$-^{\lambda}T$	$-^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}F$	$-^{\lambda}N$	$-^{\lambda}R$	$+^{\lambda}iM$	$+^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iE$	$+^{\lambda}iD$	$+^{\lambda}iV$	$+^{\lambda}iQ$	$+^{\lambda}iP$	$+^{\lambda}iT$
$^{\lambda}iP$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$+^{\lambda}iL$	$+^{\lambda}iD$	$+^{\lambda}iX$	$-^{\lambda}V$	$-^{\lambda}F$	$-^{\lambda}E$	$-^{\lambda}S$	$-^{\lambda}N$	$-^{\lambda}M$	$-^{\lambda}U$	$-^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}P$	$-^{\lambda}T$	$-^{\lambda}R$	$-^{\lambda}Q$	$-^{\lambda}L$	$-^{\lambda}D$	$-^{\lambda}X$	$+^{\lambda}iV$	$+^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iS$	$+^{\lambda}iN$	$+^{\lambda}iM$	$+^{\lambda}iU$	$+^{\lambda}iZ$	$+^{\lambda}iY$
$^{\lambda}iQ$	$+^{\lambda}iQ$	$+^{\lambda}iR$	$-^{\lambda}iT$	$-^{\lambda}iP$	$-^{\lambda}iM$	$-^{\lambda}iE$	$+^{\lambda}iY$	$+^{\lambda}F$	$-^{\lambda}V$	$-^{\lambda}D$	$+^{\lambda}N$	$-^{\lambda}S$	$-^{\lambda}L$	$-^{\lambda}Z$	$+^{\lambda}U$	$+^{\lambda}X$	$-^{\lambda}Q$	$-^{\lambda}R$	$+^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}M$	$+^{\lambda}E$	$-^{\lambda}Y$	$-^{\lambda}iF$	$+^{\lambda}iV$	$+^{\lambda}iD$	$-^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iZ$	$-^{\lambda}iU$	$-^{\lambda}iX$
$^{\lambda}iR$	$+^{\lambda}iR$	$-^{\lambda}iQ$	$-^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iN$	$-^{\lambda}iF$	$-^{\lambda}iZ$	$-^{\lambda}E$	$-^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}M$	$+^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}Y$	$-^{\lambda}X$	$+^{\lambda}U$	$-^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}P$	$-^{\lambda}T$	$-^{\lambda}N$	$+^{\lambda}F$	$+^{\lambda}Z$	$+^{\lambda}iE$	$+^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iY$	$+^{\lambda}iX$	$-^{\lambda}iU$
$^{\lambda}iD$	$+^{\lambda}iD$	$+^{\lambda}iV$	$-^{\lambda}iF$	$-^{\lambda}iE$	$-^{\lambda}iX$	$-^{\lambda}iP$	$+^{\lambda}iL$	$+^{\lambda}T$	$-^{\lambda}R$	$-^{\lambda}Q$	$+^{\lambda}U$	$-^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}S$	$+^{\lambda}N$	$+^{\lambda}M$	$-^{\lambda}D$	$-^{\lambda}V$	$+^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}X$	$+^{\lambda}P$	$-^{\lambda}L$	$-^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$-^{\lambda}iU$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iS$	$-^{\lambda}iN$	$-^{\lambda}iM$
$^{\lambda}iE$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iY$	$+^{\lambda}iQ$	$+^{\lambda}iM$	$-^{\lambda}R$	$-^{\lambda}T$	$-^{\lambda}P$	$-^{\lambda}Z$	$-^{\lambda}U$	$-^{\lambda}X$	$-^{\lambda}N$	$-^{\lambda}S$	$-^{\lambda}L$	$-^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}Y$	$-^{\lambda}Q$	$-^{\lambda}M$	$+^{\lambda}iR$	$+^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iZ$	$+^{\lambda}iU$	$+^{\lambda}iX$	$+^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$
$^{\lambda}iF$	$+^{\lambda}iF$	$-^{\lambda}iE$	$+^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iZ$	$+^{\lambda}iR$	$-^{\lambda}iN$	$+^{\lambda}Q$	$-^{\lambda}P$	$+^{\lambda}T$	$-^{\lambda}Y$	$+^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}M$	$+^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}F$	$+^{\lambda}E$	$-^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}Z$	$-^{\lambda}R$	$+^{\lambda}N$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$-^{\lambda}iT$	$+^{\lambda}iY$	$-^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$
$^{\lambda}iS$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iM$	$+^{\lambda}iN$	$+^{\lambda}iT$	$+^{\lambda}iU$	$+^{\lambda}iV$	$-^{\lambda}X$	$-^{\lambda}Y$	$-^{\lambda}Z$	$-^{\lambda}P$	$-^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}D$	$-^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}S$	$-^{\lambda}L$	$-^{\lambda}M$	$-^{\lambda}N$	$-^{\lambda}T$	$-^{\lambda}U$	$-^{\lambda}V$	$+^{\lambda}iX$	$+^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$
$^{\lambda}iL$	$+^{\lambda}iL$	$-^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iP$	$+^{\lambda}iX$	$-^{\lambda}iD$	$+^{\lambda}U$	$-^{\lambda}Z$	$+^{\lambda}Y$	$-^{\lambda}T$	$+^{\lambda}R$	$-^{\lambda}Q$	$-^{\lambda}V$	$+^{\lambda}F$	$-^{\lambda}E$	$-^{\lambda}L$	$+^{\lambda}S$	$-^{\lambda}N$	$+^{\lambda}M$	$+^{\lambda}P$	$-^{\lambda}X$	$+^{\lambda}D$	$-^{\lambda}iU$	$+^{\lambda}iZ$	$-^{\lambda}iY$	$+^{\lambda}iT$	$-^{\lambda}iR$	$+^{\lambda}iQ$	$+^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$
$^{\lambda}iM$	$+^{\lambda}iM$	$-^{\lambda}iN$	$-^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iQ$	$-^{\lambda}iY$	$-^{\lambda}iE$	$-^{\lambda}Z$	$-^{\lambda}U$	$+^{\lambda}X$	$+^{\lambda}R$	$+^{\lambda}T$	$-^{\lambda}P$	$-^{\lambda}F$	$-^{\lambda}V$	$+^{\lambda}D$	$-^{\lambda}M$	$+^{\lambda}N$	$+^{\lambda}S$	$-^{\lambda}L$	$-^{\lambda}Q$	$+^{\lambda}Y$	$+^{\lambda}E$	$+^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iR$	$-^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iF$	$+^{\lambda}iV$	$-^{\lambda}iD$
$^{\lambda}iN$	$+^{\lambda}iN$	$+^{\lambda}iM$	$-^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iR$	$-^{\lambda}iZ$	$+^{\lambda}iF$	$+^{\lambda}Y$	$-^{\lambda}X$	$-^{\lambda}U$	$+^{\lambda}Q$	$-^{\lambda}P$	$-^{\lambda}T$	$-^{\lambda}E$	$+^{\lambda}D$	$+^{\lambda}V$	$-^{\lambda}N$	$-^{\lambda}M$	$+^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}R$	$+^{\lambda}Z$	$-^{\lambda}F$	$-^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iE$	$-^{\lambda}iD$	$-^{\lambda}iV$
$^{\lambda}iT$	$+^{\lambda}iT$	$-^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iS$	$+^{\lambda}iV$	$-^{\lambda}iU$	$+^{\lambda}D$	$-^{\lambda}E$	$+^{\lambda}F$	$-^{\lambda}L$	$+^{\lambda}M$	$-^{\lambda}N$	$-^{\lambda}X$	$+^{\lambda}Y$	$-^{\lambda}Z$	$-^{\lambda}T$	$+^{\lambda}P$	$-^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}S$	$-^{\lambda}V$	$+^{\lambda}U$	$-^{\lambda}iD$	$+^{\lambda}iE$	$-^{\lambda}iF$	$+^{\lambda}iL$	$-^{\lambda}iM$	$+^{\lambda}iN$	$+^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$
$^{\lambda}iU$	$+^{\lambda}iU$	$+^{\lambda}iX$	$-^{\lambda}iY$	$-^{\lambda}iZ$	$-^{\lambda}iV$	$-^{\lambda}iS$	$+^{\lambda}iT$	$+^{\lambda}L$	$-^{\lambda}M$	$-^{\lambda}N$	$+^{\lambda}D$	$-^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}P$	$+^{\lambda}Q$	$+^{\lambda}R$	$-^{\lambda}U$	$-^{\lambda}X$	$+^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}V$	$+^{\lambda}S$	$-^{\lambda}T$	$-^{\lambda}iL$	$+^{\lambda}iM$	$+^{\lambda}iN$	$-^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iP$	$-^{\lambda}iQ$	$-^{\lambda}iR$
$^{\lambda}iV$	$+^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iU$	$-^{\lambda}iT$	$-^{\lambda}iS$	$-^{\lambda}P$	$-^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}X$	$+^{\lambda}Y$	$-^{\lambda}Z$	$-^{\lambda}L$	$-^{\lambda}M$	$+^{\lambda}N$	$-^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}U$	$+^{\lambda}T$	$+^{\lambda}S$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iL$	$+^{\lambda}iM$	$-^{\lambda}iN$
$^{\lambda}X$	$+^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}D$	$-^{\lambda}L$	$-^{\lambda}P$	$+^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iT$	$+^{\lambda}iR$	$-^{\lambda}iQ$	$+^{\lambda}iX$	$-^{\lambda}iU$	$-^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iD$	$-^{\lambda}iL$	$-^{\lambda}iP$	$+^{\lambda}S$	$+^{\lambda}N$	$-^{\lambda}M$	$-^{\lambda}V$	$-^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}T$	$+^{\lambda}R$	$-^{\lambda}Q$
$^{\lambda}Y$	$+^{\lambda}Y$	$-^{\lambda}Z$	$+^{\lambda}U$	$-^{\lambda}X$	$-^{\lambda}E$	$+^{\lambda}M$	$-^{\lambda}Q$	$-^{\lambda}iN$	$+^{\lambda}iS$	$-^{\lambda}iL$	$+^{\lambda}iF$	$-^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iR$	$-^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iY$	$-^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iE$	$+^{\lambda}iM$	$-^{\lambda}iQ$	$-^{\lambda}N$	$+^{\lambda}S$	$-^{\lambda}L$	$+^{\lambda}F$	$-^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}R$	$-^{\lambda}T$	$+^{\lambda}P$
$^{\lambda}Z$	$+^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}X$	$+^{\lambda}U$	$+^{\lambda}F$	$+^{\lambda}N$	$+^{\lambda}R$	$+^{\lambda}iM$	$+^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iE$	$+^{\lambda}iD$	$+^{\lambda}iV$	$+^{\lambda}iQ$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iF$	$+^{\lambda}iN$	$+^{\lambda}iR$	$+^{\lambda}M$	$+^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}E$	$+^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}Q$	$+^{\lambda}P$	$+^{\lambda}T$
$^{\lambda}P$	$+^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}L$	$+^{\lambda}D$	$+^{\lambda}X$	$+^{\lambda}iV$	$+^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iS$	$+^{\lambda}iN$	$+^{\lambda}iM$	$+^{\lambda}iU$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$+^{\lambda}iL$	$+^{\lambda}iD$	$+^{\lambda}iX$	$+^{\lambda}V$	$+^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}S$	$+^{\lambda}N$	$+^{\lambda}M$	$+^{\lambda}U$	$+^{\lambda}Z$	$+^{\lambda}Y$
$^{\lambda}Q$	$+^{\lambda}Q$	$+^{\lambda}R$	$-^{\lambda}T$	$-^{\lambda}P$	$-^{\lambda}M$	$-^{\lambda}E$	$+^{\lambda}Y$	$-^{\lambda}iF$	$+^{\lambda}iV$	$+^{\lambda}iD$	$-^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iZ$	$-^{\lambda}iU$	$-^{\lambda}iX$	$+^{\lambda}iQ$	$+^{\lambda}iR$	$-^{\lambda}iT$	$-^{\lambda}iP$	$-^{\lambda}iM$	$-^{\lambda}iE$	$+^{\lambda}iY$	$-^{\lambda}F$	$+^{\lambda}V$	$+^{\lambda}D$	$-^{\lambda}N$	$+^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}Z$	$-^{\lambda}U$	$-^{\lambda}X$
$^{\lambda}R$	$+^{\lambda}R$	$-^{\lambda}Q$	$-^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}N$	$-^{\lambda}F$	$-^{\lambda}Z$	$+^{\lambda}iE$	$+^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iY$	$+^{\lambda}iX$	$-^{\lambda}iU$	$+^{\lambda}iR$	$-^{\lambda}iQ$	$-^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iN$	$-^{\lambda}iF$	$-^{\lambda}iZ$	$+^{\lambda}E$	$+^{\lambda}D$	$-^{\lambda}V$	$-^{\lambda}M$	$-^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}Y$	$+^{\lambda}X$	$-^{\lambda}U$
$^{\lambda}D$	$+^{\lambda}D$	$+^{\lambda}V$	$-^{\lambda}F$	$-^{\lambda}E$	$-^{\lambda}X$	$-^{\lambda}P$	$+^{\lambda}L$	$-^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$-^{\lambda}iU$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iS$	$-^{\lambda}iN$	$-^{\lambda}iM$	$+^{\lambda}iD$	$+^{\lambda}iV$	$-^{\lambda}iF$	$-^{\lambda}iE$	$-^{\lambda}iX$	$-^{\lambda}iP$	$+^{\lambda}iL$	$-^{\lambda}T$	$+^{\lambda}R$	$+^{\lambda}Q$	$-^{\lambda}U$	$+^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}S$	$-^{\lambda}N$	$-^{\lambda}M$
$^{\lambda}E$	$+^{\lambda}E$	$+^{\lambda}F$	$+^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}Y$	$+^{\lambda}Q$	$+^{\lambda}M$	$+^{\lambda}iR$	$+^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iZ$	$+^{\lambda}iU$	$+^{\lambda}iX$	$+^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iY$	$+^{\lambda}iQ$	$+^{\lambda}iM$	$+^{\lambda}R$	$+^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}Z$	$+^{\lambda}U$	$+^{\lambda}X$	$+^{\lambda}N$	$+^{\lambda}S$	$+^{\lambda}L$
$^{\lambda}F$	$+^{\lambda}F$	$-^{\lambda}E$	$+^{\lambda}D$	$-^{\lambda}V$	$-^{\lambda}Z$	$+^{\lambda}R$	$-^{\lambda}N$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$-^{\lambda}iT$	$+^{\lambda}iY$	$-^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iF$	$-^{\lambda}iE$	$+^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iZ$	$+^{\lambda}iR$	$-^{\lambda}iN$	$-^{\lambda}Q$	$+^{\lambda}P$	$-^{\lambda}T$	$+^{\lambda}Y$	$-^{\lambda}X$	$+^{\lambda}U$	$+^{\lambda}M$	$-^{\lambda}L$	$+^{\lambda}S$

TABLE 5. Kaotic Algebra multiplication table, part B1

	$^{\nu}S$	$^{\nu}L$	$^{\nu}M$	$^{\nu}N$	$^{\nu}T$	$^{\nu}U$	$^{\nu}V$	$^{\nu}iX$	$^{\nu}iY$	$^{\nu}iZ$	$^{\nu}iP$	$^{\nu}iQ$	$^{\nu}iR$	$^{\nu}iD$	$^{\nu}iE$	$^{\nu}iF$	$^{\nu}iS$	$^{\nu}iL$	$^{\nu}iM$	$^{\nu}iN$	$^{\nu}iT$	$^{\nu}iU$	$^{\nu}iV$	$^{\nu}X$	$^{\nu}Y$	$^{\nu}Z$	$^{\nu}P$	$^{\nu}Q$	$^{\nu}R$	$^{\nu}D$	$^{\nu}E$	$^{\nu}F$
S	$+^{\nu}S$	$+^{\nu}L$	$+^{\nu}M$	$+^{\nu}N$	$+^{\nu}T$	$+^{\nu}U$	$+^{\nu}V$	$+^{\nu}iX$	$+^{\nu}iY$	$+^{\nu}iZ$	$+^{\nu}iP$	$+^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iD$	$+^{\nu}iE$	$+^{\nu}iF$	$+^{\nu}iS$	$+^{\nu}iL$	$+^{\nu}iM$	$+^{\nu}iN$	$+^{\nu}iT$	$+^{\nu}iU$	$+^{\nu}iV$	$+^{\nu}X$	$+^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}P$	$+^{\nu}Q$	$+^{\nu}R$	$+^{\nu}D$	$+^{\nu}E$	$+^{\nu}F$
L	$+^{\nu}L$	$-^{\nu}S$	$-^{\nu}N$	$+^{\nu}M$	$-^{\nu}P$	$+^{\nu}X$	$-^{\nu}D$	$-^{\nu}iU$	$-^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iT$	$+^{\nu}iR$	$-^{\nu}iQ$	$+^{\nu}iV$	$+^{\nu}iF$	$-^{\nu}iE$	$+^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iN$	$+^{\nu}iM$	$-^{\nu}iP$	$+^{\nu}iX$	$-^{\nu}iD$	$-^{\nu}U$	$-^{\nu}Z$	$+^{\nu}Y$	$+^{\nu}T$	$+^{\nu}R$	$-^{\nu}Q$	$+^{\nu}V$	$+^{\nu}F$	$-^{\nu}E$
M	$+^{\nu}M$	$+^{\nu}N$	$-^{\nu}S$	$-^{\nu}L$	$+^{\nu}Q$	$-^{\nu}Y$	$-^{\nu}E$	$-^{\nu}iZ$	$+^{\nu}iU$	$+^{\nu}iX$	$+^{\nu}iR$	$-^{\nu}iT$	$-^{\nu}iP$	$-^{\nu}iF$	$+^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iM$	$+^{\nu}iN$	$-^{\nu}iS$	$-^{\nu}iL$	$+^{\nu}iQ$	$-^{\nu}iY$	$-^{\nu}iE$	$-^{\nu}Z$	$+^{\nu}U$	$+^{\nu}X$	$+^{\nu}R$	$-^{\nu}T$	$-^{\nu}P$	$-^{\nu}F$	$+^{\nu}V$	$+^{\nu}D$
N	$+^{\nu}N$	$-^{\nu}M$	$+^{\nu}L$	$-^{\nu}S$	$-^{\nu}R$	$-^{\nu}Z$	$+^{\nu}F$	$+^{\nu}iY$	$-^{\nu}iX$	$+^{\nu}iU$	$+^{\nu}iQ$	$-^{\nu}iP$	$+^{\nu}iT$	$-^{\nu}iE$	$+^{\nu}iD$	$-^{\nu}iV$	$+^{\nu}iN$	$-^{\nu}iM$	$+^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iR$	$-^{\nu}iZ$	$+^{\nu}iF$	$+^{\nu}Y$	$-^{\nu}X$	$+^{\nu}U$	$+^{\nu}Q$	$-^{\nu}P$	$+^{\nu}T$	$-^{\nu}E$	$+^{\nu}D$	$-^{\nu}V$
T	$+^{\nu}T$	$-^{\nu}P$	$+^{\nu}Q$	$-^{\nu}R$	$-^{\nu}S$	$-^{\nu}V$	$+^{\nu}U$	$+^{\nu}iD$	$-^{\nu}iE$	$+^{\nu}iF$	$+^{\nu}iL$	$-^{\nu}iM$	$+^{\nu}iN$	$-^{\nu}iX$	$+^{\nu}iY$	$-^{\nu}iZ$	$+^{\nu}iT$	$-^{\nu}iP$	$+^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iS$	$-^{\nu}iV$	$+^{\nu}iU$	$+^{\nu}D$	$-^{\nu}E$	$+^{\nu}F$	$+^{\nu}L$	$-^{\nu}M$	$+^{\nu}N$	$-^{\nu}X$	$+^{\nu}Y$	$-^{\nu}Z$
U	$+^{\nu}U$	$+^{\nu}X$	$-^{\nu}Y$	$-^{\nu}Z$	$+^{\nu}V$	$-^{\nu}S$	$-^{\nu}T$	$-^{\nu}iL$	$+^{\nu}iM$	$+^{\nu}iN$	$+^{\nu}iD$	$-^{\nu}iE$	$-^{\nu}iF$	$-^{\nu}iP$	$+^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iU$	$+^{\nu}iX$	$-^{\nu}iY$	$-^{\nu}iZ$	$+^{\nu}iV$	$-^{\nu}iS$	$-^{\nu}iT$	$-^{\nu}L$	$+^{\nu}M$	$+^{\nu}N$	$+^{\nu}D$	$-^{\nu}E$	$-^{\nu}F$	$-^{\nu}P$	$+^{\nu}Q$	$+^{\nu}R$
V	$+^{\nu}V$	$-^{\nu}D$	$-^{\nu}E$	$+^{\nu}F$	$-^{\nu}U$	$+^{\nu}T$	$-^{\nu}S$	$-^{\nu}iP$	$-^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iX$	$+^{\nu}iY$	$-^{\nu}iZ$	$+^{\nu}iL$	$+^{\nu}iM$	$-^{\nu}iN$	$+^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iE$	$+^{\nu}iF$	$-^{\nu}iU$	$+^{\nu}iT$	$-^{\nu}iS$	$-^{\nu}P$	$-^{\nu}Q$	$+^{\nu}R$	$+^{\nu}X$	$+^{\nu}Y$	$-^{\nu}Z$	$+^{\nu}L$	$+^{\nu}M$	$-^{\nu}N$
iX	$+^{\nu}iX$	$-^{\nu}iU$	$+^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iD$	$-^{\nu}iL$	$+^{\nu}iP$	$-^{\nu}S$	$+^{\nu}N$	$-^{\nu}M$	$-^{\nu}V$	$+^{\nu}F$	$-^{\nu}E$	$+^{\nu}T$	$-^{\nu}R$	$+^{\nu}Q$	$-^{\nu}X$	$+^{\nu}U$	$-^{\nu}Z$	$+^{\nu}Y$	$+^{\nu}D$	$+^{\nu}L$	$-^{\nu}P$	$+^{\nu}iS$	$-^{\nu}iN$	$+^{\nu}iM$	$+^{\nu}iV$	$-^{\nu}iF$	$+^{\nu}iE$	$-^{\nu}iT$	$+^{\nu}iR$	$-^{\nu}iQ$
iY	$+^{\nu}iY$	$+^{\nu}iZ$	$+^{\nu}iU$	$+^{\nu}iX$	$+^{\nu}iE$	$+^{\nu}iM$	$+^{\nu}iQ$	$-^{\nu}N$	$-^{\nu}S$	$-^{\nu}L$	$-^{\nu}F$	$-^{\nu}V$	$-^{\nu}D$	$-^{\nu}R$	$-^{\nu}T$	$-^{\nu}P$	$-^{\nu}Y$	$-^{\nu}Z$	$-^{\nu}U$	$-^{\nu}X$	$-^{\nu}E$	$-^{\nu}M$	$-^{\nu}Q$	$+^{\nu}iN$	$+^{\nu}iS$	$+^{\nu}iL$	$+^{\nu}iF$	$+^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iR$	$+^{\nu}iT$	$+^{\nu}iP$
iZ	$+^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iX$	$+^{\nu}iU$	$-^{\nu}iF$	$+^{\nu}iN$	$-^{\nu}iR$	$+^{\nu}M$	$+^{\nu}L$	$-^{\nu}S$	$-^{\nu}E$	$-^{\nu}D$	$+^{\nu}V$	$-^{\nu}Q$	$-^{\nu}P$	$+^{\nu}T$	$-^{\nu}Z$	$+^{\nu}Y$	$+^{\nu}X$	$-^{\nu}U$	$+^{\nu}F$	$-^{\nu}N$	$+^{\nu}R$	$-^{\nu}iM$	$-^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iE$	$+^{\nu}iD$	$-^{\nu}iV$	$+^{\nu}iQ$	$+^{\nu}iP$	$-^{\nu}iT$
iP	$+^{\nu}iP$	$+^{\nu}iT$	$-^{\nu}iR$	$-^{\nu}iQ$	$+^{\nu}iL$	$-^{\nu}iD$	$-^{\nu}iX$	$+^{\nu}V$	$-^{\nu}F$	$-^{\nu}E$	$-^{\nu}S$	$+^{\nu}N$	$+^{\nu}M$	$+^{\nu}U$	$-^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}P$	$-^{\nu}T$	$+^{\nu}R$	$+^{\nu}Q$	$-^{\nu}L$	$+^{\nu}D$	$+^{\nu}X$	$-^{\nu}iV$	$+^{\nu}iF$	$+^{\nu}iE$	$+^{\nu}iS$	$-^{\nu}iN$	$-^{\nu}iM$	$-^{\nu}iU$	$+^{\nu}iZ$	$+^{\nu}iY$
iQ	$+^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iT$	$+^{\nu}iP$	$-^{\nu}iM$	$+^{\nu}iE$	$-^{\nu}iY$	$+^{\nu}F$	$+^{\nu}V$	$-^{\nu}D$	$-^{\nu}N$	$-^{\nu}S$	$+^{\nu}L$	$-^{\nu}Z$	$-^{\nu}U$	$+^{\nu}X$	$-^{\nu}Q$	$+^{\nu}R$	$+^{\nu}T$	$-^{\nu}P$	$+^{\nu}M$	$-^{\nu}E$	$+^{\nu}Y$	$-^{\nu}iF$	$-^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iN$	$+^{\nu}iS$	$-^{\nu}iL$	$+^{\nu}iZ$	$+^{\nu}iU$	$-^{\nu}iX$
iR	$+^{\nu}iR$	$+^{\nu}iQ$	$+^{\nu}iP$	$+^{\nu}iT$	$+^{\nu}iN$	$+^{\nu}iF$	$+^{\nu}iZ$	$-^{\nu}E$	$-^{\nu}D$	$-^{\nu}V$	$-^{\nu}M$	$-^{\nu}L$	$-^{\nu}S$	$-^{\nu}Y$	$-^{\nu}X$	$-^{\nu}U$	$-^{\nu}R$	$-^{\nu}Q$	$-^{\nu}P$	$-^{\nu}T$	$-^{\nu}N$	$-^{\nu}F$	$-^{\nu}Z$	$+^{\nu}iE$	$+^{\nu}iD$	$+^{\nu}iV$	$+^{\nu}iM$	$+^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iY$	$+^{\nu}iX$	$+^{\nu}iU$
iD	$+^{\nu}iD$	$+^{\nu}iV$	$+^{\nu}iF$	$+^{\nu}iE$	$+^{\nu}iX$	$+^{\nu}iP$	$+^{\nu}iL$	$-^{\nu}T$	$-^{\nu}R$	$-^{\nu}Q$	$-^{\nu}U$	$-^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}S$	$-^{\nu}N$	$-^{\nu}M$	$-^{\nu}D$	$-^{\nu}V$	$-^{\nu}F$	$-^{\nu}E$	$-^{\nu}X$	$-^{\nu}P$	$-^{\nu}L$	$+^{\nu}iT$	$+^{\nu}iR$	$+^{\nu}iQ$	$+^{\nu}iU$	$+^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iS$	$+^{\nu}iN$	$+^{\nu}iM$
iE	$+^{\nu}iE$	$-^{\nu}iF$	$+^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iY$	$-^{\nu}iQ$	$+^{\nu}iM$	$-^{\nu}R$	$+^{\nu}T$	$-^{\nu}P$	$-^{\nu}Z$	$+^{\nu}U$	$-^{\nu}X$	$+^{\nu}N$	$-^{\nu}S$	$+^{\nu}L$	$-^{\nu}E$	$+^{\nu}F$	$-^{\nu}V$	$+^{\nu}D$	$+^{\nu}Y$	$+^{\nu}Q$	$-^{\nu}M$	$+^{\nu}iR$	$-^{\nu}iT$	$+^{\nu}iP$	$+^{\nu}iZ$	$-^{\nu}iU$	$+^{\nu}iX$	$-^{\nu}iN$	$+^{\nu}iS$	$-^{\nu}iL$
iF	$+^{\nu}iF$	$+^{\nu}iE$	$-^{\nu}iD$	$-^{\nu}iV$	$+^{\nu}iZ$	$-^{\nu}iR$	$-^{\nu}iN$	$+^{\nu}Q$	$-^{\nu}P$	$-^{\nu}T$	$-^{\nu}Y$	$+^{\nu}X$	$+^{\nu}U$	$+^{\nu}M$	$-^{\nu}L$	$-^{\nu}S$	$-^{\nu}F$	$-^{\nu}E$	$+^{\nu}D$	$+^{\nu}V$	$-^{\nu}Z$	$+^{\nu}R$	$+^{\nu}N$	$-^{\nu}iQ$	$+^{\nu}iP$	$+^{\nu}iT$	$+^{\nu}iY$	$-^{\nu}iX$	$-^{\nu}iU$	$-^{\nu}iM$	$+^{\nu}iL$	$+^{\nu}iS$
iS	$+^{\nu}iS$	$+^{\nu}iL$	$+^{\nu}iM$	$+^{\nu}iN$	$+^{\nu}iT$	$+^{\nu}iU$	$+^{\nu}iV$	$-^{\nu}X$	$-^{\nu}Y$	$-^{\nu}Z$	$-^{\nu}P$	$-^{\nu}Q$	$-^{\nu}R$	$-^{\nu}D$	$-^{\nu}E$	$-^{\nu}F$	$-^{\nu}S$	$-^{\nu}L$	$-^{\nu}M$	$-^{\nu}N$	$-^{\nu}T$	$-^{\nu}U$	$-^{\nu}V$	$+^{\nu}iX$	$+^{\nu}iY$	$+^{\nu}iZ$	$+^{\nu}iP$	$+^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iD$	$+^{\nu}iE$	$+^{\nu}iF$
iL	$+^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iN$	$+^{\nu}iM$	$-^{\nu}iP$	$+^{\nu}iX$	$-^{\nu}iD$	$+^{\nu}U$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}T$	$-^{\nu}R$	$+^{\nu}Q$	$-^{\nu}V$	$-^{\nu}F$	$+^{\nu}E$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}N$	$-^{\nu}M$	$+^{\nu}P$	$-^{\nu}X$	$+^{\nu}D$	$-^{\nu}iU$	$-^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iT$	$+^{\nu}iR$	$-^{\nu}iQ$	$+^{\nu}iV$	$+^{\nu}iF$	$-^{\nu}iE$
iM	$+^{\nu}iM$	$+^{\nu}iN$	$-^{\nu}iS$	$-^{\nu}iL$	$+^{\nu}iQ$	$-^{\nu}iY$	$-^{\nu}iE$	$+^{\nu}Z$	$-^{\nu}U$	$-^{\nu}X$	$-^{\nu}R$	$+^{\nu}T$	$+^{\nu}P$	$+^{\nu}F$	$-^{\nu}V$	$-^{\nu}D$	$-^{\nu}M$	$-^{\nu}N$	$+^{\nu}S$	$+^{\nu}L$	$-^{\nu}Q$	$+^{\nu}Y$	$+^{\nu}E$	$-^{\nu}iZ$	$+^{\nu}iU$	$+^{\nu}iX$	$+^{\nu}iR$	$-^{\nu}iT$	$-^{\nu}iP$	$-^{\nu}iF$	$+^{\nu}iV$	$+^{\nu}iD$
iN	$+^{\nu}iN$	$-^{\nu}iM$	$+^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iR$	$-^{\nu}iZ$	$+^{\nu}iF$	$-^{\nu}Y$	$+^{\nu}X$	$-^{\nu}U$	$-^{\nu}Q$	$+^{\nu}P$	$-^{\nu}T$	$+^{\nu}E$	$-^{\nu}D$	$+^{\nu}V$	$-^{\nu}N$	$+^{\nu}M$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}R$	$+^{\nu}Z$	$-^{\nu}F$	$+^{\nu}iY$	$-^{\nu}iX$	$+^{\nu}iU$	$+^{\nu}iQ$	$-^{\nu}iP$	$+^{\nu}iT$	$-^{\nu}iE$	$+^{\nu}iD$	$-^{\nu}iV$
iT	$+^{\nu}iT$	$-^{\nu}iP$	$+^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iS$	$-^{\nu}iV$	$+^{\nu}iU$	$-^{\nu}D$	$+^{\nu}E$	$-^{\nu}F$	$-^{\nu}L$	$+^{\nu}M$	$-^{\nu}N$	$+^{\nu}X$	$-^{\nu}Y$	$+^{\nu}Z$	$-^{\nu}T$	$+^{\nu}P$	$-^{\nu}Q$	$+^{\nu}R$	$+^{\nu}S$	$+^{\nu}V$	$-^{\nu}U$	$+^{\nu}iD$	$-^{\nu}iE$	$+^{\nu}iF$	$+^{\nu}iL$	$-^{\nu}iM$	$+^{\nu}iN$	$-^{\nu}iX$	$+^{\nu}iY$	$-^{\nu}iZ$
iU	$+^{\nu}iU$	$+^{\nu}iX$	$-^{\nu}iY$	$-^{\nu}iZ$	$+^{\nu}iV$	$-^{\nu}iS$	$-^{\nu}iT$	$+^{\nu}L$	$-^{\nu}M$	$-^{\nu}N$	$-^{\nu}D$	$+^{\nu}E$	$+^{\nu}F$	$+^{\nu}P$	$-^{\nu}Q$	$-^{\nu}R$	$-^{\nu}U$	$-^{\nu}X$	$+^{\nu}Y$	$+^{\nu}Z$	$-^{\nu}V$	$+^{\nu}S$	$+^{\nu}T$	$-^{\nu}iL$	$+^{\nu}iM$	$+^{\nu}iN$	$+^{\nu}iD$	$-^{\nu}iE$	$-^{\nu}iF$	$-^{\nu}iP$	$+^{\nu}iQ$	$+^{\nu}iR$
iV	$+^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iE$	$+^{\nu}iF$	$-^{\nu}iU$	$+^{\nu}iT$	$-^{\nu}iS$	$+^{\nu}P$	$+^{\nu}Q$	$-^{\nu}R$	$-^{\nu}X$	$-^{\nu}Y$	$+^{\nu}Z$	$-^{\nu}L$	$-^{\nu}M$	$+^{\nu}N$	$-^{\nu}V$	$+^{\nu}D$	$+^{\nu}E$	$-^{\nu}F$	$+^{\nu}U$	$-^{\nu}T$	$+^{\nu}S$	$-^{\nu}iP$	$-^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iX$	$+^{\nu}iY$	$-^{\nu}iZ$	$+^{\nu}iL$	$+^{\nu}iM$	$-^{\nu}iN$
X	$+^{\nu}X$	$-^{\nu}U$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}D$	$-^{\nu}L$	$+^{\nu}P$	$+^{\nu}iS$	$-^{\nu}iN$	$+^{\nu}iM$	$+^{\nu}iV$	$-^{\nu}iF$	$+^{\nu}iE$	$-^{\nu}iT$	$+^{\nu}iR$	$-^{\nu}iQ$	$+^{\nu}iX$	$-^{\nu}iU$	$+^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iD$	$-^{\nu}iL$	$+^{\nu}iP$	$+^{\nu}S$	$-^{\nu}N$	$+^{\nu}M$	$+^{\nu}V$	$-^{\nu}F$	$+^{\nu}E$	$-^{\nu}T$	$+^{\nu}R$	$-^{\nu}Q$
Y	$+^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}U$	$+^{\nu}X$	$+^{\nu}E$	$+^{\nu}M$	$+^{\nu}Q$	$+^{\nu}iN$	$+^{\nu}iS$	$+^{\nu}iL$	$+^{\nu}iF$	$+^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iR$	$+^{\nu}iT$	$+^{\nu}iP$	$+^{\nu}iY$	$+^{\nu}iZ$	$+^{\nu}iU$	$+^{\nu}iX$	$+^{\nu}iE$	$+^{\nu}iM$	$+^{\nu}iQ$	$+^{\nu}N$	$+^{\nu}S$	$+^{\nu}L$	$+^{\nu}F$	$+^{\nu}V$	$+^{\nu}D$	$+^{\nu}R$	$+^{\nu}T$	$+^{\nu}P$
Z	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}X$	$+^{\nu}U$	$-^{\nu}F$	$+^{\nu}N$	$-^{\nu}R$	$-^{\nu}iM$	$-^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iE$	$+^{\nu}iD$	$-^{\nu}iV$	$+^{\nu}iQ$	$+^{\nu}iP$	$-^{\nu}iT$	$+^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iX$	$+^{\nu}iU$	$-^{\nu}iF$	$+^{\nu}iN$	$-^{\nu}iR$	$-^{\nu}M$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}E$	$+^{\nu}D$	$-^{\nu}V$	$+^{\nu}Q$	$+^{\nu}P$	$-^{\nu}T$
P	$+^{\nu}P$	$+^{\nu}T$	$-^{\nu}R$	$-^{\nu}Q$	$+^{\nu}L$	$-^{\nu}D$	$-^{\nu}X$	$-^{\nu}iV$	$+^{\nu}iF$	$+^{\nu}iE$	$+^{\nu}iS$	$-^{\nu}iN$	$-^{\nu}iM$	$-^{\nu}iU$	$+^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iP$	$+^{\nu}iT$	$-^{\nu}iR$	$-^{\nu}iQ$	$+^{\nu}iL$	$-^{\nu}iD$	$-^{\nu}iX$	$-^{\nu}V$	$+^{\nu}F$	$+^{\nu}E$	$+^{\nu}S$	$-^{\nu}N$	$-^{\nu}M$	$-^{\nu}U$	$+^{\nu}Z$	$+^{\nu}Y$
Q	$+^{\nu}Q$	$-^{\nu}R$	$-^{\nu}T$	$+^{\nu}P$	$-^{\nu}M$	$+^{\nu}E$	$-^{\nu}Y$	$-^{\nu}iF$	$-^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iN$	$+^{\nu}iS$	$-^{\nu}iL$	$+^{\nu}iZ$	$+^{\nu}iU$	$-^{\nu}iX$	$+^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iT$	$+^{\nu}iP$	$-^{\nu}iM$	$+^{\nu}iE$	$-^{\nu}iY$	$-^{\nu}F$	$-^{\nu}V$	$+^{\nu}D$	$+^{\nu}N$	$+^{\nu}S$	$-^{\nu}L$	$+^{\nu}Z$	$+^{\nu}U$	$-^{\nu}X$
R	$+^{\nu}R$	$+^{\nu}Q$	$+^{\nu}P$	$+^{\nu}T$	$+^{\nu}N$	$+^{\nu}F$	$+^{\nu}Z$	$+^{\nu}iE$	$+^{\nu}iD$	$+^{\nu}iV$	$+^{\nu}iM$	$+^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iY$	$+^{\nu}iX$	$+^{\nu}iU$	$+^{\nu}iR$	$+^{\nu}iQ$	$+^{\nu}iP$	$+^{\nu}iT$	$+^{\nu}iN$	$+^{\nu}iF$	$+^{\nu}iZ$	$+^{\nu}E$	$+^{\nu}D$	$+^{\nu}V$	$+^{\nu}M$	$+^{\nu}L$	$+^{\nu}S$	$+^{\nu}Y$	$+^{\nu}X$	$+^{\nu}U$
D	$+^{\nu}D$	$+^{\nu}V$	$+^{\nu}F$	$+^{\nu}E$	$+^{\nu}X$	$+^{\nu}P$	$+^{\nu}L$	$+^{\nu}iT$	$+^{\nu}iR$	$+^{\nu}iQ$	$+^{\nu}iU$	$+^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iS$	$+^{\nu}iN$	$+^{\nu}iM$	$+^{\nu}iD$	$+^{\nu}iV$	$+^{\nu}iF$	$+^{\nu}iE$	$+^{\nu}iX$	$+^{\nu}iP$	$+^{\nu}iL$	$+^{\nu}T$	$+^{\nu}R$	$+^{\nu}Q$	$+^{\nu}U$	$+^{\nu}Z$	$+^{\nu}Y$	$+^{\nu}S$	$+^{\nu}N$	$+^{\nu}M$
E	$+^{\nu}E$	$-^{\nu}F$	$+^{\nu}V$	$-^{\nu}D$	$-^{\nu}Y$	$-^{\nu}Q$	$+^{\nu}M$	$+^{\nu}iR$	$-^{\nu}iT$	$+^{\nu}iP$	$+^{\nu}iZ$	$-^{\nu}iU$	$+^{\nu}iX$	$-^{\nu}iN$	$+^{\nu}iS$	$-^{\nu}iL$	$+^{\nu}iE$	$-^{\nu}iF$	$+^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iY$	$-^{\nu}iQ$	$+^{\nu}iM$	$+^{\nu}R$	$-^{\nu}T$	$+^{\nu}P$	$+^{\nu}Z$	$-^{\nu}U$	$+^{\nu}X$	$-^{\nu}N$	$+^{\nu}S$	$-^{\nu}L$
F	$+^{\nu}F$	$+^{\nu}E$	$-^{\nu}D$	$-^{\nu}V$	$+^{\nu}Z$	$-^{\nu}R$	$-^{\nu}N$	$-^{\nu}iQ$	$+^{\nu}iP$	$+^{\nu}iT$	$+^{\nu}iY$	$-^{\nu}iX$	$-^{\nu}iU$	$-^{\nu}iM$	$+^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iF$	$+^{\nu}iE$	$-^{\nu}iD$	$-^{\nu}iV$	$+^{\nu}iZ$	$-^{\nu}iR$	$-^{\nu}iN$	$-^{\nu}Q$	$+^{\nu}P$	$+^{\nu}T$	$+^{\nu}Y$	$-^{\nu}X$	$-^{\nu}U$	$-^{\nu}M$	$+^{\nu}L$	$+^{\nu}S$
$^{\nu}S$	$-S$	$+L$	$+M$	$+N$	$+T$	$+U$	$+V$	$+iX$	$+iY$	$+iZ$	$+iP$	$+iQ$	$+iR$	$+iD$	$+iE$	$+iF$	$+iS$	$-iL$	$-iM$	$-iN$	$-iT$	$-iU$	$-iV$	$-X$	$-Y$	$-Z$	$-P$	$-Q$	$-R$	$-D$	$-E$	$-F$
$^{\nu}L$	$-L$	$-S$	$-N$	$+M$	$-P$	$+X$	$-D$	$-iU$	$-iZ$	$+iY$	$+iT$	$+iR$	$-iQ$	$+iV$	$+iF$	$-iE$	$+iL$	$+iS$	$+iN$	$-iM$	$+iP$	$-iX$	$+iD$	$+U$	$+Z$	$-Y$	$-T$	$-R$	$+Q$	$-V$	$-F$	$+E$
$^{\nu}M$	$-M$	$+N$	$-S$	$-L$	$+Q$	$-Y$	$-E$	$-iZ$	$+iU$	$+iX$	$+iR$	$-iT$	$-iP$	$-iF$	$+iV$	$+iD$	$+iM$	$-iN$	$+iS$	$+iL$	$-iQ$	$+iY$	$+iE$	$+Z$	$-U$	$-X$	$-R$	$+T$	$+P$	$+F$	$-V$	$-D$
$^{\nu}N$	$-N$	$-M$	$+L$	$-S$	$-R$	$-Z$	$+F$	$+iY$	$-iX$	$+iU$	$+iQ$	$-iP$	$+iT$	$-iE$	$+iD$	$-iV$	$+iN$	$+iM$	$-iL$	$+iS$	$+iR$	$+iZ$	$-iF$	$-Y$	$+X$	$-U$	$-Q$	$+P$	$-T$	$+E$	$-D$	$+V$
$^{\nu}T$	$-T$	$-P$	$+Q$	$-R$	$-S$	$-V$	$+U$	$+iD$	$-iE$	$+iF$	$+iL$	$-iM$	$+iN$	$-iX$	$+iY$	$-iZ$	$+iT$	$+iP$	$-iQ$	$+iR$	$+iS$	$+iV$	$-iU$	$-D$	$+E$	$-F$	$-L$	$+M$	$-N$	$+X$	$-Y$	$+Z$
$^{\nu}U$	$-U$	$+X$	$-Y$	$-Z$	$+V$	$-S$	$-T$	$-iL$	$+iM$	$+iN$	$+iD$	$-iE$	$-iF$	$-iP$	$+iQ$	$+iR$	$+iU$	$-iX$	$+iY$	$+iZ$	$-iV$	$+iS$	$+iT$	$+L$	$-M$	$-N$	$-D$	$+E$	$+F$	$+P$	$-Q$	$-R$
$^{\nu}V$	$-V$	$-D$	$-E$	$+F$	$-U$	$+T$	$-S$	$-iP$	$-iQ$	$+iR$	$+iX$	$+iY$	$-iZ$	$+iL$	$+iM$	$-iN$	$+iV$	$+iD$	$+iE$	$-iF$	$+iU$	$-iT$	$+iS$	$+P$	$+Q$	$-R$	$-X$	$-Y$	$+Z$	$-L$	$-M$	$+N$
$^{\nu}iX$	$-iX$	$-iU$	$+iZ$	$-iY$	$-iD$	$-iL$	$+iP$	$-S$	$+N$	$-M$	$-V$	$+F$	$-E$	$+T$	$-R$	$+Q$	$-X$	$-U$	$+Z$	$-Y$	$-D$	$-L$	$+P$	$-iS$	$+iN$	$-iM$	$-iV$	$+iF$	$-iE$	$+iT$	$-iR$	$+iQ$
$^{\nu}iY$	$-iY$	$+iZ$	$+iU$	$+iX$	$+iE$	$+iM$	$+iQ$	$-N$	$-S$	$-L$	$-F$	$-V$	$-D$	$-R$	$-T$	$-P$	$-Y$	$+Z$	$+U$	$+X$	$+E$	$+M$	$+Q$	$-iN$	$-iS$	$-iL$	$-iF$	$-iV$	$-iD$	$-iR$	$-iT$	$-iP$
$^{\nu}iZ$	$-iZ$	$-iY$	$-iX$	$+iU$	$-iF$	$+iN$	$-iR$	$+M$	$+L$	$-S$	$-E$	$-D$	$+V$	$-Q$	$-P$	$+T$	$-Z$	$-Y$	$-X$	$+U$	$-F$	$+N$	$-R$	$+iM$	$+iL$	$-iS$	$-iE$	$-iD$	$+iV$	$-iQ$	$-iP$	$+iT$
$^{\nu}iP$	$-iP$	$+iT$	$-iR$	$-iQ$	$+iL$	$-iD$	$-iX$	$+V$	$-F$	$-E$	$-S$	$+N$	$+M$	$+U$	$-Z$	$-Y$	$-P$	$+T$	$-R$	$-Q$	$+L$	$-D$	$-X$	$+iV$	$-iF$	$-iE$	$-iS$	$+iN$	$+iM$	$+iU$	$-iZ$	$-iY$
$^{\nu}iQ$	$-iQ$	$-iR$	$-iT$	$+iP$	$-iM$	$+iE$	$-iY$	$+F$	$+V$	$-D$	$-N$	$-S$	$+L$	$-Z$	$-U$	$+X$	$-Q$	$-R$	$-T$	$+P$	$-M$	$+E$	$-Y$	$+iF$	$+iV$	$-iD$	$-iN$	$-iS$	$+iL$	$-iZ$	$-iU$	$+iX$
$^{\nu}iR$	$-iR$	$+iQ$	$+iP$	$+iT$	$+iN$	$+iF$	$+iZ$	$-E$	$-D$	$-V$	$-M$	$-L$	$-S$	$-Y$	$-X$	$-U$	$-R$	$+Q$	$+P$	$+T$	$+N$	$+F$	$+Z$	$-iE$	$-iD$	$-iV$	$-iM$	$-iL$	$-iS$	$-iY$	$-iX$	$-iU$
$^{\nu}iD$	$-iD$	$+iV$	$+iF$	$+iE$	$+iX$	$+iP$	$+iL$	$-T$	$-R$	$-Q$	$-U$	$-Z$	$-Y$	$-S$	$-N$	$-M$	$-D$	$+V$	$+F$	$+E$	$+X$	$+P$	$+L$	$-iT$	$-iR$	$-iQ$	$-iU$	$-iZ$	$-iY$	$-iS$	$-iN$	$-iM$
$^{\nu}iE$	$-iE$	$-iF$	$+iV$	$-iD$	$-iY$	$-iQ$	$+iM$	$-R$	$+T$	$-P$	$-Z$	$+U$	$-X$	$+N$	$-S$	$+L$	$-E$	$-F$	$+V$	$-D$	$-Y$	$-Q$	$+M$	$-iR$	$+iT$	$-iP$	$-iZ$	$+iU$	$-iX$	$+iN$	$-iS$	$+iL$
$^{\nu}iF$	$-iF$	$+iE$	$-iD$	$-iV$	$+iZ$	$-iR$	$-iN$	$+Q$	$-P$	$-T$	$-Y$	$+X$	$+U$	$+M$	$-L$	$-S$	$-F$	$+E$	$-D$	$-V$	$+Z$	$-R$	$-N$	$+iQ$	$-iP$	$-iT$	$-iY$	$+iX$	$+iU$	$+iM$	$-iL$	$-iS$
$^{\nu}iS$	$-iS$	$+iL$	$+iM$	$+iN$	$+iT$	$+iU$	$+iV$	$-X$	$-Y$	$-Z$	$-P$	$-Q$	$-R$	$-D$	$-E$	$-F$	$-S$	$+L$	$+M$	$+N$	$+T$	$+U$	$+V$	$-iX$	$-iY$	$-iZ$	$-iP$	$-iQ$	$-iR$	$-iD$	$-iE$	$-iF$
$^{\nu}iL$	$-iL$	$-iS$	$-iN$	$+iM$	$-iP$	$+iX$	$-iD$	$+U$	$+Z$	$-Y$	$-T$	$-R$	$+Q$	$-V$	$-F$	$+E$	$-L$	$-S$	$-N$	$+M$	$-P$	$+X$	$-D$	$+iU$	$+iZ$	$-iY$	$-iT$	$-iR$	$+iQ$	$-iV$	$-iF$	$+iE$
$^{\nu}iM$	$-iM$	$+iN$	$-iS$	$-iL$	$+iQ$	$-iY$	$-iE$	$+Z$	$-U$	$-X$	$-R$	$+T$	$+P$	$+F$	$-V$	$-D$	$-M$	$+N$	$-S$	$-L$	$+Q$	$-Y$	$-E$	$+iZ$	$-iU$	$-iX$	$-iR$	$+iT$	$+iP$	$+iF$	$-iV$	$-iD$
$^{\nu}iN$	$-iN$	$-iM$	$+iL$	$-iS$	$-iR$	$-iZ$	$+iF$	$-Y$	$+X$	$-U$	$-Q$	$+P$	$-T$	$+E$	$-D$	$+V$	$-N$	$-M$	$+L$	$-S$	$-R$	$-Z$	$+F$	$-iY$	$+iX$	$-iU$	$-iQ$	$+iP$	$-iT$	$+iE$	$-iD$	$+iV$
$^{\nu}iT$	$-iT$	$-iP$	$+iQ$	$-iR$	$-iS$	$-iV$	$+iU$	$-D$	$+E$	$-F$	$-L$	$+M$	$-N$	$+X$	$-Y$	$+Z$	$-T$	$-P$	$+Q$	$-R$	$-S$	$-V$	$+U$	$-iD$	$+iE$	$-iF$	$-iL$	$+iM$	$-iN$	$+iX$	$-iY$	$+iZ$
$^{\nu}iU$	$-iU$	$+iX$	$-iY$	$-iZ$	$+iV$	$-iS$	$-iT$	$+L$	$-M$	$-N$	$-D$	$+E$	$+F$	$+P$	$-Q$	$-R$	$-U$	$+X$	$-Y$	$-Z$	$+V$	$-S$	$-T$	$+iL$	$-iM$	$-iN$	$-iD$	$+iE$	$+iF$	$+iP$	$-iQ$	$-iR$
$^{\nu}iV$	$-iV$	$-iD$	$-iE$	$+iF$	$-iU$	$+iT$	$-iS$	$+P$	$+Q$	$-R$	$-X$	$-Y$	$+Z$	$-L$	$-M$	$+N$	$-V$	$-D$	$-E$	$+F$	$-U$	$+T$	$-S$	$+iP$	$+iQ$	$-iR$	$-iX$	$-iY$	$+iZ$	$-iL$	$-iM$	$+iN$
$^{\nu}X$	$-X$	$-U$	$+Z$	$-Y$	$-D$	$-L$	$+P$	$+iS$	$-iN$	$+iM$	$+iV$	$-iF$	$+iE$	$-iT$	$+iR$	$-iQ$	$+iX$	$+iU$	$-iZ$	$+iY$	$+iD$	$+iL$	$-iP$	$-S$	$+N$	$-M$	$-V$	$+F$	$-E$	$+T$	$-R$	$+Q$
$^{\nu}Y$	$-Y$	$+Z$	$+U$	$+X$	$+E$	$+M$	$+Q$	$+iN$	$+iS$	$+iL$	$+iF$	$+iV$	$+iD$	$+iR$	$+iT$	$+iP$	$+iY$	$-iZ$	$-iU$	$-iX$	$-iE$	$-iM$	$-iQ$	$-N$	$-S$	$-L$	$-F$	$-V$	$-D$	$-R$	$-T$	$-P$
$^{\nu}Z$	$-Z$	$-Y$	$-X$	$+U$	$-F$	$+N$	$-R$	$-iM$	$-iL$	$+iS$	$+iE$	$+iD$	$-iV$	$+iQ$	$+iP$	$-iT$	$+iZ$	$+iY$	$+iX$	$-iU$	$+iF$	$-iN$	$+iR$	$+M$	$+L$	$-S$	$-E$	$-D$	$+V$	$-Q$	$-P$	$+T$
$^{\nu}P$	$-P$	$+T$	$-R$	$-Q$	$+L$	$-D$	$-X$	$-iV$	$+iF$	$+iE$	$+iS$	$-iN$	$-iM$	$-iU$	$+iZ$	$+iY$	$+iP$	$-iT$	$+iR$	$+iQ$	$-iL$	$+iD$	$+iX$	$+V$	$-F$	$-E$	$-S$	$+N$	$+M$	$+U$	$-Z$	$-Y$
$^{\nu}Q$	$-Q$	$-R$	$-T$	$+P$	$-M$	$+E$	$-Y$	$-iF$	$-iV$	$+iD$	$+iN$	$+iS$	$-iL$	$+iZ$	$+iU$	$-iX$	$+iQ$	$+iR$	$+iT$	$-iP$	$+iM$	$-iE$	$+iY$	$+F$	$+V$	$-D$	$-N$	$-S$	$+L$	$-Z$	$-U$	$+X$
$^{\nu}R$	$-R$	$+Q$	$+P$	$+T$	$+N$	$+F$	$+Z$	$+iE$	$+iD$	$+iV$	$+iM$	$+iL$	$+iS$	$+iY$	$+iX$	$+iU$	$+iR$	$-iQ$	$-iP$	$-iT$	$-iN$	$-iF$	$-iZ$	$-E$	$-D$	$-V$	$-M$	$-L$	$-S$	$-Y$	$-X$	$-U$
$^{\nu}D$	$-D$	$+V$	$+F$	$+E$	$+X$	$+P$	$+L$	$+iT$	$+iR$	$+iQ$	$+iU$	$+iZ$	$+iY$	$+iS$	$+iN$	$+iM$	$+iD$	$-iV$	$-iF$	$-iE$	$-iX$	$-iP$	$-iL$	$-T$	$-R$	$-Q$	$-U$	$-Z$	$-Y$	$-S$	$-N$	$-M$
$^{\nu}E$	$-E$	$-F$	$+V$	$-D$	$-Y$	$-Q$	$+M$	$+iR$	$-iT$	$+iP$	$+iZ$	$-iU$	$+iX$	$-iN$	$+iS$	$-iL$	$+iE$	$+iF$	$-iV$	$+iD$	$+iY$	$+iQ$	$-iM$	$-R$	$+T$	$-P$	$-Z$	$+U$	$-X$	$+N$	$-S$	$+L$
$^{\nu}F$	$-F$	$+E$	$-D$	$-V$	$+Z$	$-R$	$-N$	$-iQ$	$+iP$	$+iT$	$+iY$	$-iX$	$-iU$	$-iM$	$+iL$	$+iS$	$+iF$	$-iE$	$+iD$	$+iV$	$-iZ$	$+iR$	$+iN$	$+Q$	$-P$	$-T$	$-Y$	$+X$	$+U$	$+M$	$-L$	$-S$

TABLE 6. Kaotic Algebra multiplication table, part B2

	$^{\nu}S$	$^{\nu}L$	$^{\nu}M$	$^{\nu}N$	$^{\nu}T$	$^{\nu}U$	$^{\nu}V$	$^{\nu}iX$	$^{\nu}iY$	$^{\nu}iZ$	$^{\nu}iP$	$^{\nu}iQ$	$^{\nu}iR$	$^{\nu}iD$	$^{\nu}iE$	$^{\nu}iF$
$^{\mu}S$	$-^{\lambda}S$	$-^{\lambda}L$	$-^{\lambda}M$	$-^{\lambda}N$	$-^{\lambda}T$	$-^{\lambda}U$	$-^{\lambda}V$	$-^{\lambda}iX$	$-^{\lambda}iY$	$-^{\lambda}iZ$	$-^{\lambda}iP$	$-^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iD$	$-^{\lambda}iE$	$-^{\lambda}iF$
$^{\mu}L$	$-^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}N$	$-^{\lambda}M$	$+^{\lambda}P$	$-^{\lambda}X$	$+^{\lambda}D$	$+^{\lambda}iU$	$+^{\lambda}iZ$	$-^{\lambda}iY$	$-^{\lambda}iT$	$-^{\lambda}iR$	$+^{\lambda}iQ$	$-^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$
$^{\mu}M$	$-^{\lambda}M$	$-^{\lambda}N$	$+^{\lambda}S$	$+^{\lambda}L$	$-^{\lambda}Q$	$+^{\lambda}Y$	$+^{\lambda}E$	$+^{\lambda}iZ$	$-^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iR$	$+^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iF$	$-^{\lambda}iV$	$-^{\lambda}iD$
$^{\mu}N$	$-^{\lambda}N$	$+^{\lambda}M$	$-^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}R$	$+^{\lambda}Z$	$-^{\lambda}F$	$-^{\lambda}iY$	$+^{\lambda}iX$	$-^{\lambda}iU$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$-^{\lambda}iT$	$+^{\lambda}iE$	$-^{\lambda}iD$	$+^{\lambda}iV$
$^{\mu}T$	$-^{\lambda}T$	$+^{\lambda}P$	$-^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}S$	$+^{\lambda}V$	$-^{\lambda}U$	$-^{\lambda}iD$	$+^{\lambda}iE$	$-^{\lambda}iF$	$-^{\lambda}iL$	$+^{\lambda}iM$	$-^{\lambda}iN$	$+^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$
$^{\mu}U$	$-^{\lambda}U$	$-^{\lambda}X$	$+^{\lambda}Y$	$+^{\lambda}Z$	$-^{\lambda}V$	$+^{\lambda}S$	$+^{\lambda}T$	$+^{\lambda}iL$	$-^{\lambda}iM$	$-^{\lambda}iN$	$-^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iP$	$-^{\lambda}iQ$	$-^{\lambda}iR$
$^{\mu}V$	$-^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}E$	$-^{\lambda}F$	$+^{\lambda}U$	$-^{\lambda}T$	$+^{\lambda}S$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$	$-^{\lambda}iL$	$-^{\lambda}iM$	$+^{\lambda}iN$
$^{\mu}iX$	$-^{\lambda}iX$	$+^{\lambda}iU$	$-^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iD$	$+^{\lambda}iL$	$-^{\lambda}iP$	$+^{\lambda}S$	$-^{\lambda}N$	$+^{\lambda}M$	$+^{\lambda}V$	$-^{\lambda}F$	$+^{\lambda}E$	$-^{\lambda}T$	$+^{\lambda}R$	$-^{\lambda}Q$
$^{\mu}iY$	$-^{\lambda}iY$	$-^{\lambda}iZ$	$-^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iE$	$-^{\lambda}iM$	$-^{\lambda}iQ$	$+^{\lambda}N$	$+^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}F$	$+^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}R$	$+^{\lambda}T$	$+^{\lambda}P$
$^{\mu}iZ$	$-^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iX$	$-^{\lambda}iU$	$+^{\lambda}iF$	$-^{\lambda}iN$	$+^{\lambda}iR$	$-^{\lambda}M$	$-^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}E$	$+^{\lambda}D$	$-^{\lambda}V$	$+^{\lambda}Q$	$+^{\lambda}P$	$-^{\lambda}T$
$^{\mu}iP$	$-^{\lambda}iP$	$-^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$-^{\lambda}iL$	$+^{\lambda}iD$	$+^{\lambda}iX$	$-^{\lambda}V$	$+^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}S$	$-^{\lambda}N$	$-^{\lambda}M$	$-^{\lambda}U$	$+^{\lambda}Z$	$+^{\lambda}Y$
$^{\mu}iQ$	$-^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iT$	$-^{\lambda}iP$	$+^{\lambda}iM$	$-^{\lambda}iE$	$+^{\lambda}iY$	$-^{\lambda}F$	$-^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}N$	$+^{\lambda}S$	$-^{\lambda}L$	$+^{\lambda}Z$	$+^{\lambda}U$	$-^{\lambda}X$
$^{\mu}iR$	$-^{\lambda}iR$	$-^{\lambda}iQ$	$-^{\lambda}iP$	$-^{\lambda}iT$	$-^{\lambda}iN$	$-^{\lambda}iF$	$-^{\lambda}iZ$	$+^{\lambda}E$	$+^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}M$	$+^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}Y$	$+^{\lambda}X$	$+^{\lambda}U$
$^{\mu}iD$	$-^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iF$	$-^{\lambda}iE$	$-^{\lambda}iX$	$-^{\lambda}iP$	$-^{\lambda}iL$	$+^{\lambda}T$	$+^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}U$	$+^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}S$	$+^{\lambda}N$	$+^{\lambda}M$
$^{\mu}iE$	$-^{\lambda}iE$	$+^{\lambda}iF$	$-^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iY$	$+^{\lambda}iQ$	$-^{\lambda}iM$	$+^{\lambda}R$	$-^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}Z$	$-^{\lambda}U$	$+^{\lambda}X$	$-^{\lambda}N$	$+^{\lambda}S$	$-^{\lambda}L$
$^{\mu}iF$	$-^{\lambda}iF$	$-^{\lambda}iE$	$+^{\lambda}iD$	$+^{\lambda}iV$	$-^{\lambda}iZ$	$+^{\lambda}iR$	$+^{\lambda}iN$	$-^{\lambda}Q$	$+^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}Y$	$-^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}M$	$+^{\lambda}L$	$+^{\lambda}S$
$^{\mu}iS$	$-^{\lambda}iS$	$-^{\lambda}iL$	$-^{\lambda}iM$	$-^{\lambda}iN$	$-^{\lambda}iT$	$-^{\lambda}iU$	$-^{\lambda}iV$	$+^{\lambda}X$	$+^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}P$	$+^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}D$	$+^{\lambda}E$	$+^{\lambda}F$
$^{\mu}iL$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$+^{\lambda}iP$	$-^{\lambda}iX$	$+^{\lambda}iD$	$-^{\lambda}U$	$-^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}T$	$+^{\lambda}R$	$-^{\lambda}Q$	$+^{\lambda}V$	$+^{\lambda}F$	$-^{\lambda}E$
$^{\mu}iM$	$-^{\lambda}iM$	$-^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$	$-^{\lambda}iQ$	$+^{\lambda}iY$	$+^{\lambda}iE$	$-^{\lambda}Z$	$+^{\lambda}U$	$+^{\lambda}X$	$+^{\lambda}R$	$-^{\lambda}T$	$-^{\lambda}P$	$-^{\lambda}F$	$+^{\lambda}V$	$+^{\lambda}D$
$^{\mu}iN$	$-^{\lambda}iN$	$+^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iR$	$+^{\lambda}iZ$	$-^{\lambda}iF$	$+^{\lambda}Y$	$-^{\lambda}X$	$+^{\lambda}U$	$+^{\lambda}Q$	$-^{\lambda}P$	$+^{\lambda}T$	$-^{\lambda}E$	$+^{\lambda}D$	$-^{\lambda}V$
$^{\mu}iT$	$-^{\lambda}iT$	$+^{\lambda}iP$	$-^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iS$	$+^{\lambda}iV$	$-^{\lambda}iU$	$+^{\lambda}D$	$-^{\lambda}E$	$+^{\lambda}F$	$+^{\lambda}L$	$-^{\lambda}M$	$+^{\lambda}N$	$-^{\lambda}X$	$+^{\lambda}Y$	$-^{\lambda}Z$
$^{\mu}iU$	$-^{\lambda}iU$	$-^{\lambda}iX$	$+^{\lambda}iY$	$+^{\lambda}iZ$	$-^{\lambda}iV$	$+^{\lambda}iS$	$+^{\lambda}iT$	$-^{\lambda}L$	$+^{\lambda}M$	$+^{\lambda}N$	$+^{\lambda}D$	$-^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}P$	$+^{\lambda}Q$	$+^{\lambda}R$
$^{\mu}iV$	$-^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iE$	$-^{\lambda}iF$	$+^{\lambda}iU$	$-^{\lambda}iT$	$+^{\lambda}iS$	$-^{\lambda}P$	$-^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}X$	$+^{\lambda}Y$	$-^{\lambda}Z$	$+^{\lambda}L$	$+^{\lambda}M$	$-^{\lambda}N$
$^{\mu}X$	$-^{\lambda}X$	$+^{\lambda}U$	$-^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}D$	$+^{\lambda}L$	$-^{\lambda}P$	$-^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iV$	$+^{\lambda}iF$	$-^{\lambda}iE$	$+^{\lambda}iT$	$-^{\lambda}iR$	$+^{\lambda}iQ$
$^{\mu}Y$	$-^{\lambda}Y$	$-^{\lambda}Z$	$-^{\lambda}U$	$-^{\lambda}X$	$-^{\lambda}E$	$-^{\lambda}M$	$-^{\lambda}Q$	$-^{\lambda}iN$	$-^{\lambda}iS$	$-^{\lambda}iL$	$-^{\lambda}iF$	$-^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iR$	$-^{\lambda}iT$	$-^{\lambda}iP$
$^{\mu}Z$	$-^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}X$	$-^{\lambda}U$	$+^{\lambda}F$	$-^{\lambda}N$	$+^{\lambda}R$	$+^{\lambda}iM$	$+^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iE$	$-^{\lambda}iD$	$+^{\lambda}iV$	$-^{\lambda}iQ$	$-^{\lambda}iP$	$+^{\lambda}iT$
$^{\mu}P$	$-^{\lambda}P$	$-^{\lambda}T$	$+^{\lambda}R$	$+^{\lambda}Q$	$-^{\lambda}L$	$+^{\lambda}D$	$+^{\lambda}X$	$+^{\lambda}iV$	$-^{\lambda}iF$	$-^{\lambda}iE$	$-^{\lambda}iS$	$+^{\lambda}iN$	$+^{\lambda}iM$	$+^{\lambda}iU$	$-^{\lambda}iZ$	$-^{\lambda}iY$
$^{\mu}Q$	$-^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}T$	$-^{\lambda}P$	$+^{\lambda}M$	$-^{\lambda}E$	$+^{\lambda}Y$	$+^{\lambda}iF$	$+^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iN$	$-^{\lambda}iS$	$+^{\lambda}iL$	$-^{\lambda}iZ$	$-^{\lambda}iU$	$+^{\lambda}iX$
$^{\mu}R$	$-^{\lambda}R$	$-^{\lambda}Q$	$-^{\lambda}P$	$-^{\lambda}T$	$-^{\lambda}N$	$-^{\lambda}F$	$-^{\lambda}Z$	$-^{\lambda}iE$	$-^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iM$	$-^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iY$	$-^{\lambda}iX$	$-^{\lambda}iU$
$^{\mu}D$	$-^{\lambda}D$	$-^{\lambda}V$	$-^{\lambda}F$	$-^{\lambda}E$	$-^{\lambda}X$	$-^{\lambda}P$	$-^{\lambda}L$	$-^{\lambda}iT$	$-^{\lambda}iR$	$-^{\lambda}iQ$	$-^{\lambda}iU$	$-^{\lambda}iZ$	$-^{\lambda}iY$	$-^{\lambda}iS$	$-^{\lambda}iN$	$-^{\lambda}iM$
$^{\mu}E$	$-^{\lambda}E$	$+^{\lambda}F$	$-^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}Y$	$+^{\lambda}Q$	$-^{\lambda}M$	$-^{\lambda}iR$	$+^{\lambda}iT$	$-^{\lambda}iP$	$-^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$+^{\lambda}iN$	$-^{\lambda}iS$	$+^{\lambda}iL$
$^{\mu}F$	$-^{\lambda}F$	$-^{\lambda}E$	$+^{\lambda}D$	$+^{\lambda}V$	$-^{\lambda}Z$	$+^{\lambda}R$	$+^{\lambda}N$	$+^{\lambda}iQ$	$-^{\lambda}iP$	$-^{\lambda}iT$	$-^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iM$	$-^{\lambda}iL$	$-^{\lambda}iS$
$^{\lambda}S$	$+^{\mu}S$	$-^{\mu}L$	$-^{\mu}M$	$-^{\mu}N$	$-^{\mu}T$	$-^{\mu}U$	$-^{\mu}V$	$-^{\mu}iX$	$-^{\mu}iY$	$-^{\mu}iZ$	$-^{\mu}iP$	$-^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iD$	$-^{\mu}iE$	$-^{\mu}iF$
$^{\lambda}L$	$+^{\mu}L$	$+^{\mu}S$	$+^{\mu}N$	$-^{\mu}M$	$+^{\mu}P$	$-^{\mu}X$	$+^{\mu}D$	$+^{\mu}iU$	$+^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iT$	$-^{\mu}iR$	$+^{\mu}iQ$	$-^{\mu}iV$	$-^{\mu}iF$	$+^{\mu}iE$
$^{\lambda}M$	$+^{\mu}M$	$-^{\mu}N$	$+^{\mu}S$	$+^{\mu}L$	$-^{\mu}Q$	$+^{\mu}Y$	$+^{\mu}E$	$+^{\mu}iZ$	$-^{\mu}iU$	$-^{\mu}iX$	$-^{\mu}iR$	$+^{\mu}iT$	$+^{\mu}iP$	$+^{\mu}iF$	$-^{\mu}iV$	$-^{\mu}iD$
$^{\lambda}N$	$+^{\mu}N$	$+^{\mu}M$	$-^{\mu}L$	$+^{\mu}S$	$+^{\mu}R$	$+^{\mu}Z$	$-^{\mu}F$	$-^{\mu}iY$	$+^{\mu}iX$	$-^{\mu}iU$	$-^{\mu}iQ$	$+^{\mu}iP$	$-^{\mu}iT$	$+^{\mu}iE$	$-^{\mu}iD$	$+^{\mu}iV$
$^{\lambda}T$	$+^{\mu}T$	$+^{\mu}P$	$-^{\mu}Q$	$+^{\mu}R$	$+^{\mu}S$	$+^{\mu}V$	$-^{\mu}U$	$-^{\mu}iD$	$+^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iL$	$+^{\mu}iM$	$-^{\mu}iN$	$+^{\mu}iX$	$-^{\mu}iY$	$+^{\mu}iZ$
$^{\lambda}U$	$+^{\mu}U$	$-^{\mu}X$	$+^{\mu}Y$	$+^{\mu}Z$	$-^{\mu}V$	$+^{\mu}S$	$+^{\mu}T$	$+^{\mu}iL$	$-^{\mu}iM$	$-^{\mu}iN$	$-^{\mu}iD$	$+^{\mu}iE$	$+^{\mu}iF$	$+^{\mu}iP$	$-^{\mu}iQ$	$-^{\mu}iR$
$^{\lambda}V$	$+^{\mu}V$	$+^{\mu}D$	$+^{\mu}E$	$-^{\mu}F$	$+^{\mu}U$	$-^{\mu}T$	$+^{\mu}S$	$+^{\mu}iP$	$+^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iX$	$-^{\mu}iY$	$+^{\mu}iZ$	$-^{\mu}iL$	$-^{\mu}iM$	$+^{\mu}iN$
$^{\lambda}iX$	$+^{\mu}iX$	$+^{\mu}iU$	$-^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iD$	$+^{\mu}iL$	$-^{\mu}iP$	$+^{\mu}S$	$-^{\mu}N$	$+^{\mu}M$	$+^{\mu}V$	$-^{\mu}F$	$+^{\mu}E$	$-^{\mu}T$	$+^{\mu}R$	$-^{\mu}Q$
$^{\lambda}iY$	$+^{\mu}iY$	$-^{\mu}iZ$	$-^{\mu}iU$	$-^{\mu}iX$	$-^{\mu}iE$	$-^{\mu}iM$	$-^{\mu}iQ$	$+^{\mu}N$	$+^{\mu}S$	$+^{\mu}L$	$+^{\mu}F$	$+^{\mu}V$	$+^{\mu}D$	$+^{\mu}R$	$+^{\mu}T$	$+^{\mu}P$
$^{\lambda}iZ$	$+^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iX$	$-^{\mu}iU$	$+^{\mu}iF$	$-^{\mu}iN$	$+^{\mu}iR$	$-^{\mu}M$	$-^{\mu}L$	$+^{\mu}S$	$+^{\mu}E$	$+^{\mu}D$	$-^{\mu}V$	$+^{\mu}Q$	$+^{\mu}P$	$-^{\mu}T$
$^{\lambda}iP$	$+^{\mu}iP$	$-^{\mu}iT$	$+^{\mu}iR$	$+^{\mu}iQ$	$-^{\mu}iL$	$+^{\mu}iD$	$+^{\mu}iX$	$-^{\mu}V$	$+^{\mu}F$	$+^{\mu}E$	$+^{\mu}S$	$-^{\mu}N$	$-^{\mu}M$	$-^{\mu}U$	$+^{\mu}Z$	$+^{\mu}Y$
$^{\lambda}iQ$	$+^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iT$	$-^{\mu}iP$	$+^{\mu}iM$	$-^{\mu}iE$	$+^{\mu}iY$	$-^{\mu}F$	$-^{\mu}V$	$+^{\mu}D$	$+^{\mu}N$	$+^{\mu}S$	$-^{\mu}L$	$+^{\mu}Z$	$+^{\mu}U$	$-^{\mu}X$
$^{\lambda}iR$	$+^{\mu}iR$	$-^{\mu}iQ$	$-^{\mu}iP$	$-^{\mu}iT$	$-^{\mu}iN$	$-^{\mu}iF$	$-^{\mu}iZ$	$+^{\mu}E$	$+^{\mu}D$	$+^{\mu}V$	$+^{\mu}M$	$+^{\mu}L$	$+^{\mu}S$	$+^{\mu}Y$	$+^{\mu}X$	$+^{\mu}U$
$^{\lambda}iD$	$+^{\mu}iD$	$-^{\mu}iV$	$-^{\mu}iF$	$-^{\mu}iE$	$-^{\mu}iX$	$-^{\mu}iP$	$-^{\mu}iL$	$+^{\mu}T$	$+^{\mu}R$	$+^{\mu}Q$	$+^{\mu}U$	$+^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}S$	$+^{\mu}N$	$+^{\mu}M$
$^{\lambda}iE$	$+^{\mu}iE$	$+^{\mu}iF$	$-^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iY$	$+^{\mu}iQ$	$-^{\mu}iM$	$+^{\mu}R$	$-^{\mu}T$	$+^{\mu}P$	$+^{\mu}Z$	$-^{\mu}U$	$+^{\mu}X$	$-^{\mu}N$	$+^{\mu}S$	$-^{\mu}L$
$^{\lambda}iF$	$+^{\mu}iF$	$-^{\mu}iE$	$+^{\mu}iD$	$+^{\mu}iV$	$-^{\mu}iZ$	$+^{\mu}iR$	$+^{\mu}iN$	$-^{\mu}Q$	$+^{\mu}P$	$+^{\mu}T$	$+^{\mu}Y$	$-^{\mu}X$	$-^{\mu}U$	$-^{\mu}M$	$+^{\mu}L$	$+^{\mu}S$
$^{\lambda}iS$	$+^{\mu}iS$	$-^{\mu}iL$	$-^{\mu}iM$	$-^{\mu}iN$	$-^{\mu}iT$	$-^{\mu}iU$	$-^{\mu}iV$	$+^{\mu}X$	$+^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}P$	$+^{\mu}Q$	$+^{\mu}R$	$+^{\mu}D$	$+^{\mu}E$	$+^{\mu}F$
$^{\lambda}iL$	$+^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iN$	$-^{\mu}iM$	$+^{\mu}iP$	$-^{\mu}iX$	$+^{\mu}iD$	$-^{\mu}U$	$-^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}T$	$+^{\mu}R$	$-^{\mu}Q$	$+^{\mu}V$	$+^{\mu}F$	$-^{\mu}E$
$^{\lambda}iM$	$+^{\mu}iM$	$-^{\mu}iN$	$+^{\mu}iS$	$+^{\mu}iL$	$-^{\mu}iQ$	$+^{\mu}iY$	$+^{\mu}iE$	$-^{\mu}Z$	$+^{\mu}U$	$+^{\mu}X$	$+^{\mu}R$	$-^{\mu}T$	$-^{\mu}P$	$-^{\mu}F$	$+^{\mu}V$	$+^{\mu}D$
$^{\lambda}iN$	$+^{\mu}iN$	$+^{\mu}iM$	$-^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iR$	$+^{\mu}iZ$	$-^{\mu}iF$	$+^{\mu}Y$	$-^{\mu}X$	$+^{\mu}U$	$+^{\mu}Q$	$-^{\mu}P$	$+^{\mu}T$	$-^{\mu}E$	$+^{\mu}D$	$-^{\mu}V$
$^{\lambda}iT$	$+^{\mu}iT$	$+^{\mu}iP$	$-^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iS$	$+^{\mu}iV$	$-^{\mu}iU$	$+^{\mu}D$	$-^{\mu}E$	$+^{\mu}F$	$+^{\mu}L$	$-^{\mu}M$	$+^{\mu}N$	$-^{\mu}X$	$+^{\mu}Y$	$-^{\mu}Z$
$^{\lambda}iU$	$+^{\mu}iU$	$-^{\mu}iX$	$+^{\mu}iY$	$+^{\mu}iZ$	$-^{\mu}iV$	$+^{\mu}iS$	$+^{\mu}iT$	$-^{\mu}L$	$+^{\mu}M$	$+^{\mu}N$	$+^{\mu}D$	$-^{\mu}E$	$-^{\mu}F$	$-^{\mu}P$	$+^{\mu}Q$	$+^{\mu}R$
$^{\lambda}iV$	$+^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iE$	$-^{\mu}iF$	$+^{\mu}iU$	$-^{\mu}iT$	$+^{\mu}iS$	$-^{\mu}P$	$-^{\mu}Q$	$+^{\mu}R$	$+^{\mu}X$	$+^{\mu}Y$	$-^{\mu}Z$	$+^{\mu}L$	$+^{\mu}M$	$-^{\mu}N$
$^{\lambda}X$	$+^{\mu}X$	$+^{\mu}U$	$-^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}D$	$+^{\mu}L$	$-^{\mu}P$	$-^{\mu}iS$	$+^{\mu}iN$	$-^{\mu}iM$	$-^{\mu}iV$	$+^{\mu}iF$	$-^{\mu}iE$	$+^{\mu}iT$	$-^{\mu}iR$	$+^{\mu}iQ$
$^{\lambda}Y$	$+^{\mu}Y$	$-^{\mu}Z$	$-^{\mu}U$	$-^{\mu}X$	$-^{\mu}E$	$-^{\mu}M$	$-^{\mu}Q$	$-^{\mu}iN$	$-^{\mu}iS$	$-^{\mu}iL$	$-^{\mu}iF$	$-^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iR$	$-^{\mu}iT$	$-^{\mu}iP$
$^{\lambda}Z$	$+^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}X$	$-^{\mu}U$	$+^{\mu}F$	$-^{\mu}N$	$+^{\mu}R$	$+^{\mu}iM$	$+^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iE$	$-^{\mu}iD$	$+^{\mu}iV$	$-^{\mu}iQ$	$-^{\mu}iP$	$+^{\mu}iT$
$^{\lambda}P$	$+^{\mu}P$	$-^{\mu}T$	$+^{\mu}R$	$+^{\mu}Q$	$-^{\mu}L$	$+^{\mu}D$	$+^{\mu}X$	$+^{\mu}iV$	$-^{\mu}iF$	$-^{\mu}iE$	$-^{\mu}iS$	$+^{\mu}iN$	$+^{\mu}iM$	$+^{\mu}iU$	$-^{\mu}iZ$	$-^{\mu}iY$
$^{\lambda}Q$	$+^{\mu}Q$	$+^{\mu}R$	$+^{\mu}T$	$-^{\mu}P$	$+^{\mu}M$	$-^{\mu}E$	$+^{\mu}Y$	$+^{\mu}iF$	$+^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iN$	$-^{\mu}iS$	$+^{\mu}iL$	$-^{\mu}iZ$	$-^{\mu}iU$	$+^{\mu}iX$
$^{\lambda}R$	$+^{\mu}R$	$-^{\mu}Q$	$-^{\mu}P$	$-^{\mu}T$	$-^{\mu}N$	$-^{\mu}F$	$-^{\mu}Z$	$-^{\mu}iE$	$-^{\mu}iD$	$-^{\mu}iV$	$-^{\mu}iM$	$-^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iY$	$-^{\mu}iX$	$-^{\mu}iU$
$^{\lambda}D$	$+^{\mu}D$	$-^{\mu}V$	$-^{\mu}F$	$-^{\mu}E$	$-^{\mu}X$	$-^{\mu}P$	$-^{\mu}L$	$-^{\mu}iT$	$-^{\mu}iR$	$-^{\mu}iQ$	$-^{\mu}iU$	$-^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iS$	$-^{\mu}iN$	$-^{\mu}iM$
$^{\lambda}E$	$+^{\mu}E$	$+^{\mu}F$	$-^{\mu}V$	$+^{\mu}D$	$+^{\mu}Y$	$+^{\mu}Q$	$-^{\mu}M$	$-^{\mu}iR$	$+^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iZ$	$+^{\mu}iU$	$-^{\mu}iX$	$+^{\mu}iN$	$-^{\mu}iS$	$+^{\mu}iL$
$^{\lambda}F$	$+^{\mu}F$	$-^{\mu}E$	$+^{\mu}D$	$+^{\mu}V$	$-^{\mu}Z$	$+^{\mu}R$	$+^{\mu}N$	$+^{\mu}iQ$	$-^{\mu}iP$	$-^{\mu}iT$	$-^{\mu}iY$	$+^{\mu}iX$	$+^{\mu}iU$	$+^{\mu}iM$	$-^{\mu}iL$	$-^{\mu}iS$

	$^{\nu}iS$	$^{\nu}iL$	$^{\nu}iM$	$^{\nu}iN$	$^{\nu}iT$	$^{\nu}iU$	$^{\nu}iV$	$^{\nu}X$	$^{\nu}Y$	$^{\nu}Z$	$^{\nu}P$	$^{\nu}Q$	$^{\nu}R$	$^{\nu}D$	$^{\nu}E$	$^{\nu}F$
$^{\mu}S$	$-^{\lambda}iS$	$-^{\lambda}iL$	$-^{\lambda}iM$	$-^{\lambda}iN$	$-^{\lambda}iT$	$-^{\lambda}iU$	$-^{\lambda}iV$	$-^{\lambda}X$	$-^{\lambda}Y$	$-^{\lambda}Z$	$-^{\lambda}P$	$-^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}D$	$-^{\lambda}E$	$-^{\lambda}F$
$^{\mu}L$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$+^{\lambda}iP$	$-^{\lambda}iX$	$+^{\lambda}iD$	$+^{\lambda}U$	$+^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}T$	$-^{\lambda}R$	$+^{\lambda}Q$	$-^{\lambda}V$	$-^{\lambda}F$	$+^{\lambda}E$
$^{\mu}M$	$-^{\lambda}iM$	$-^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$	$-^{\lambda}iQ$	$+^{\lambda}iY$	$+^{\lambda}iE$	$+^{\lambda}Z$	$-^{\lambda}U$	$-^{\lambda}X$	$-^{\lambda}R$	$+^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}F$	$-^{\lambda}V$	$-^{\lambda}D$
$^{\mu}N$	$-^{\lambda}iN$	$+^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iR$	$+^{\lambda}iZ$	$-^{\lambda}iF$	$-^{\lambda}Y$	$+^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}Q$	$+^{\lambda}P$	$-^{\lambda}T$	$+^{\lambda}E$	$-^{\lambda}D$	$+^{\lambda}V$
$^{\mu}T$	$-^{\lambda}iT$	$+^{\lambda}iP$	$-^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iS$	$+^{\lambda}iV$	$-^{\lambda}iU$	$-^{\lambda}D$	$+^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}L$	$+^{\lambda}M$	$-^{\lambda}N$	$+^{\lambda}X$	$-^{\lambda}Y$	$+^{\lambda}Z$
$^{\mu}U$	$-^{\lambda}iU$	$-^{\lambda}iX$	$+^{\lambda}iY$	$+^{\lambda}iZ$	$-^{\lambda}iV$	$+^{\lambda}iS$	$+^{\lambda}iT$	$+^{\lambda}L$	$-^{\lambda}M$	$-^{\lambda}N$	$-^{\lambda}D$	$+^{\lambda}E$	$+^{\lambda}F$	$+^{\lambda}P$	$-^{\lambda}Q$	$-^{\lambda}R$
$^{\mu}V$	$-^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iE$	$-^{\lambda}iF$	$+^{\lambda}iU$	$-^{\lambda}iT$	$+^{\lambda}iS$	$+^{\lambda}P$	$+^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}X$	$-^{\lambda}Y$	$+^{\lambda}Z$	$-^{\lambda}L$	$-^{\lambda}M$	$+^{\lambda}N$
$^{\mu}iX$	$+^{\lambda}X$	$-^{\lambda}U$	$+^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}D$	$-^{\lambda}L$	$+^{\lambda}P$	$-^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iV$	$+^{\lambda}iF$	$-^{\lambda}iE$	$+^{\lambda}iT$	$-^{\lambda}iR$	$+^{\lambda}iQ$
$^{\mu}iY$	$+^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}U$	$+^{\lambda}X$	$+^{\lambda}E$	$+^{\lambda}M$	$+^{\lambda}Q$	$-^{\lambda}iN$	$-^{\lambda}iS$	$-^{\lambda}iL$	$-^{\lambda}iF$	$-^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iR$	$-^{\lambda}iT$	$-^{\lambda}iP$
$^{\mu}iZ$	$+^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}X$	$+^{\lambda}U$	$-^{\lambda}F$	$+^{\lambda}N$	$-^{\lambda}R$	$+^{\lambda}iM$	$+^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iE$	$-^{\lambda}iD$	$+^{\lambda}iV$	$-^{\lambda}iQ$	$-^{\lambda}iP$	$+^{\lambda}iT$
$^{\mu}iP$	$+^{\lambda}P$	$+^{\lambda}T$	$-^{\lambda}R$	$-^{\lambda}Q$	$+^{\lambda}L$	$-^{\lambda}D$	$-^{\lambda}X$	$+^{\lambda}iV$	$-^{\lambda}iF$	$-^{\lambda}iE$	$-^{\lambda}iS$	$+^{\lambda}iN$	$+^{\lambda}iM$	$+^{\lambda}iU$	$-^{\lambda}iZ$	$-^{\lambda}iY$
$^{\mu}iQ$	$+^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}T$	$+^{\lambda}P$	$-^{\lambda}M$	$+^{\lambda}E$	$-^{\lambda}Y$	$+^{\lambda}iF$	$+^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iN$	$-^{\lambda}iS$	$+^{\lambda}iL$	$-^{\lambda}iZ$	$-^{\lambda}iU$	$+^{\lambda}iX$
$^{\mu}iR$	$+^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}N$	$+^{\lambda}F$	$+^{\lambda}Z$	$-^{\lambda}iE$	$-^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iM$	$-^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iY$	$-^{\lambda}iX$	$-^{\lambda}iU$
$^{\mu}iD$	$+^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}X$	$+^{\lambda}P$	$+^{\lambda}L$	$-^{\lambda}iT$	$-^{\lambda}iR$	$-^{\lambda}iQ$	$-^{\lambda}iU$	$-^{\lambda}iZ$	$-^{\lambda}iY$	$-^{\lambda}iS$	$-^{\lambda}iN$	$-^{\lambda}iM$
$^{\mu}iE$	$+^{\lambda}E$	$-^{\lambda}F$	$+^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}Y$	$-^{\lambda}Q$	$+^{\lambda}M$	$-^{\lambda}iR$	$+^{\lambda}iT$	$-^{\lambda}iP$	$-^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$+^{\lambda}iN$	$-^{\lambda}iS$	$+^{\lambda}iL$
$^{\mu}iF$	$+^{\lambda}F$	$+^{\lambda}E$	$-^{\lambda}D$	$-^{\lambda}V$	$+^{\lambda}Z$	$-^{\lambda}R$	$-^{\lambda}N$	$+^{\lambda}iQ$	$-^{\lambda}iP$	$-^{\lambda}iT$	$-^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iM$	$-^{\lambda}iL$	$-^{\lambda}iS$
$^{\mu}iS$	$+^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}M$	$+^{\lambda}N$	$+^{\lambda}T$	$+^{\lambda}U$	$+^{\lambda}V$	$-^{\lambda}iX$	$-^{\lambda}iY$	$-^{\lambda}iZ$	$-^{\lambda}iP$	$-^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iD$	$-^{\lambda}iE$	$-^{\lambda}iF$
$^{\mu}iL$	$+^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}N$	$+^{\lambda}M$	$-^{\lambda}P$	$+^{\lambda}X$	$-^{\lambda}D$	$+^{\lambda}iU$	$+^{\lambda}iZ$	$-^{\lambda}iY$	$-^{\lambda}iT$	$-^{\lambda}iR$	$+^{\lambda}iQ$	$-^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$
$^{\mu}iM$	$+^{\lambda}M$	$+^{\lambda}N$	$-^{\lambda}S$	$-^{\lambda}L$	$+^{\lambda}Q$	$-^{\lambda}Y$	$-^{\lambda}E$	$+^{\lambda}iZ$	$-^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iR$	$+^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iF$	$-^{\lambda}iV$	$-^{\lambda}iD$
$^{\mu}iN$	$+^{\lambda}N$	$-^{\lambda}M$	$+^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}R$	$-^{\lambda}Z$	$+^{\lambda}F$	$-^{\lambda}iY$	$+^{\lambda}iX$	$-^{\lambda}iU$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$-^{\lambda}iT$	$+^{\lambda}iE$	$-^{\lambda}iD$	$+^{\lambda}iV$
$^{\mu}iT$	$+^{\lambda}T$	$-^{\lambda}P$	$+^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}S$	$-^{\lambda}V$	$+^{\lambda}U$	$-^{\lambda}iD$	$+^{\lambda}iE$	$-^{\lambda}iF$	$-^{\lambda}iL$	$+^{\lambda}iM$	$-^{\lambda}iN$	$+^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$
$^{\mu}iU$	$+^{\lambda}U$	$+^{\lambda}X$	$-^{\lambda}Y$	$-^{\lambda}Z$	$+^{\lambda}V$	$-^{\lambda}S$	$-^{\lambda}T$	$+^{\lambda}iL$	$-^{\lambda}iM$	$-^{\lambda}iN$	$-^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iP$	$-^{\lambda}iQ$	$-^{\lambda}iR$
$^{\mu}iV$	$+^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}E$	$+^{\lambda}F$	$-^{\lambda}U$	$+^{\lambda}T$	$-^{\lambda}S$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$	$-^{\lambda}iL$	$-^{\lambda}iM$	$+^{\lambda}iN$
$^{\mu}X$	$-^{\lambda}iX$	$+^{\lambda}iU$	$-^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iD$	$+^{\lambda}iL$	$-^{\lambda}iP$	$-^{\lambda}S$	$+^{\lambda}N$	$-^{\lambda}M$	$-^{\lambda}V$	$+^{\lambda}F$	$-^{\lambda}E$	$+^{\lambda}T$	$-^{\lambda}R$	$+^{\lambda}Q$
$^{\mu}Y$	$-^{\lambda}iY$	$-^{\lambda}iZ$	$-^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iE$	$-^{\lambda}iM$	$-^{\lambda}iQ$	$-^{\lambda}N$	$-^{\lambda}S$	$-^{\lambda}L$	$-^{\lambda}F$	$-^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}R$	$-^{\lambda}T$	$-^{\lambda}P$
$^{\mu}Z$	$-^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iX$	$-^{\lambda}iU$	$+^{\lambda}iF$	$-^{\lambda}iN$	$+^{\lambda}iR$	$+^{\lambda}M$	$+^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}E$	$-^{\lambda}D$	$+^{\lambda}V$	$-^{\lambda}Q$	$-^{\lambda}P$	$+^{\lambda}T$
$^{\mu}P$	$-^{\lambda}iP$	$-^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$-^{\lambda}iL$	$+^{\lambda}iD$	$+^{\lambda}iX$	$+^{\lambda}V$	$-^{\lambda}F$	$-^{\lambda}E$	$-^{\lambda}S$	$+^{\lambda}N$	$+^{\lambda}M$	$+^{\lambda}U$	$-^{\lambda}Z$	$-^{\lambda}Y$
$^{\mu}Q$	$-^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iT$	$-^{\lambda}iP$	$+^{\lambda}iM$	$-^{\lambda}iE$	$+^{\lambda}iY$	$+^{\lambda}F$	$+^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}N$	$-^{\lambda}S$	$+^{\lambda}L$	$-^{\lambda}Z$	$-^{\lambda}U$	$+^{\lambda}X$
$^{\mu}R$	$-^{\lambda}iR$	$-^{\lambda}iQ$	$-^{\lambda}iP$	$-^{\lambda}iT$	$-^{\lambda}iN$	$-^{\lambda}iF$	$-^{\lambda}iZ$	$-^{\lambda}E$	$-^{\lambda}D$	$-^{\lambda}V$	$-^{\lambda}M$	$-^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}Y$	$-^{\lambda}X$	$-^{\lambda}U$
$^{\mu}D$	$-^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iF$	$-^{\lambda}iE$	$-^{\lambda}iX$	$-^{\lambda}iP$	$-^{\lambda}iL$	$-^{\lambda}T$	$-^{\lambda}R$	$-^{\lambda}Q$	$-^{\lambda}U$	$-^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}S$	$-^{\lambda}N$	$-^{\lambda}M$
$^{\mu}E$	$-^{\lambda}iE$	$+^{\lambda}iF$	$-^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iY$	$+^{\lambda}iQ$	$-^{\lambda}iM$	$-^{\lambda}R$	$+^{\lambda}T$	$-^{\lambda}P$	$-^{\lambda}Z$	$+^{\lambda}U$	$-^{\lambda}X$	$+^{\lambda}N$	$-^{\lambda}S$	$+^{\lambda}L$
$^{\mu}F$	$-^{\lambda}iF$	$-^{\lambda}iE$	$+^{\lambda}iD$	$+^{\lambda}iV$	$-^{\lambda}iZ$	$+^{\lambda}iR$	$+^{\lambda}iN$	$+^{\lambda}Q$	$-^{\lambda}P$	$-^{\lambda}T$	$-^{\lambda}Y$	$+^{\lambda}X$	$+^{\lambda}U$	$+^{\lambda}M$	$-^{\lambda}L$	$-^{\lambda}S$
$^{\lambda}S$	$-^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iT$	$+^{\mu}iU$	$+^{\mu}iV$	$+^{\mu}X$	$+^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}P$	$+^{\mu}Q$	$+^{\mu}R$	$+^{\mu}D$	$+^{\mu}E$	$+^{\mu}F$
$^{\lambda}L$	$-^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iN$	$+^{\mu}iM$	$-^{\mu}iP$	$+^{\mu}iX$	$-^{\mu}iD$	$-^{\mu}U$	$-^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}T$	$+^{\mu}R$	$-^{\mu}Q$	$+^{\mu}V$	$+^{\mu}F$	$-^{\mu}E$
$^{\lambda}M$	$-^{\mu}iM$	$+^{\mu}iN$	$-^{\mu}iS$	$-^{\mu}iL$	$+^{\mu}iQ$	$-^{\mu}iY$	$-^{\mu}iE$	$-^{\mu}Z$	$+^{\mu}U$	$+^{\mu}X$	$+^{\mu}R$	$-^{\mu}T$	$-^{\mu}P$	$-^{\mu}F$	$+^{\mu}V$	$+^{\mu}D$
$^{\lambda}N$	$-^{\mu}iN$	$-^{\mu}iM$	$+^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iR$	$-^{\mu}iZ$	$+^{\mu}iF$	$+^{\mu}Y$	$-^{\mu}X$	$+^{\mu}U$	$+^{\mu}Q$	$-^{\mu}P$	$+^{\mu}T$	$-^{\mu}E$	$+^{\mu}D$	$-^{\mu}V$
$^{\lambda}T$	$-^{\mu}iT$	$-^{\mu}iP$	$+^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iS$	$-^{\mu}iV$	$+^{\mu}iU$	$+^{\mu}D$	$-^{\mu}E$	$+^{\mu}F$	$+^{\mu}L$	$-^{\mu}M$	$+^{\mu}N$	$-^{\mu}X$	$+^{\mu}Y$	$-^{\mu}Z$
$^{\lambda}U$	$-^{\mu}iU$	$+^{\mu}iX$	$-^{\mu}iY$	$-^{\mu}iZ$	$+^{\mu}iV$	$-^{\mu}iS$	$-^{\mu}iT$	$-^{\mu}L$	$+^{\mu}M$	$+^{\mu}N$	$+^{\mu}D$	$-^{\mu}E$	$-^{\mu}F$	$-^{\mu}P$	$+^{\mu}Q$	$+^{\mu}R$
$^{\lambda}V$	$-^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iE$	$+^{\mu}iF$	$-^{\mu}iU$	$+^{\mu}iT$	$-^{\mu}iS$	$-^{\mu}P$	$-^{\mu}Q$	$+^{\mu}R$	$+^{\mu}X$	$+^{\mu}Y$	$-^{\mu}Z$	$+^{\mu}L$	$+^{\mu}M$	$-^{\mu}N$
$^{\lambda}iX$	$+^{\mu}X$	$+^{\mu}U$	$-^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}D$	$+^{\mu}L$	$-^{\mu}P$	$+^{\mu}iS$	$-^{\mu}iN$	$+^{\mu}iM$	$+^{\mu}iV$	$-^{\mu}iF$	$+^{\mu}iE$	$-^{\mu}iT$	$+^{\mu}iR$	$-^{\mu}iQ$
$^{\lambda}iY$	$+^{\mu}Y$	$-^{\mu}Z$	$-^{\mu}U$	$-^{\mu}X$	$-^{\mu}E$	$-^{\mu}M$	$-^{\mu}Q$	$+^{\mu}iN$	$+^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iF$	$+^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iR$	$+^{\mu}iT$	$+^{\mu}iP$
$^{\lambda}iZ$	$+^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}X$	$-^{\mu}U$	$+^{\mu}F$	$-^{\mu}N$	$+^{\mu}R$	$-^{\mu}iM$	$-^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iE$	$+^{\mu}iD$	$-^{\mu}iV$	$+^{\mu}iQ$	$+^{\mu}iP$	$-^{\mu}iT$
$^{\lambda}iP$	$+^{\mu}P$	$-^{\mu}T$	$+^{\mu}R$	$+^{\mu}Q$	$-^{\mu}L$	$+^{\mu}D$	$+^{\mu}X$	$-^{\mu}iV$	$+^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iS$	$-^{\mu}iN$	$-^{\mu}iM$	$-^{\mu}iU$	$+^{\mu}iZ$	$+^{\mu}iY$
$^{\lambda}iQ$	$+^{\mu}Q$	$+^{\mu}R$	$+^{\mu}T$	$-^{\mu}P$	$+^{\mu}M$	$-^{\mu}E$	$+^{\mu}Y$	$-^{\mu}iF$	$-^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iN$	$+^{\mu}iS$	$-^{\mu}iL$	$+^{\mu}iZ$	$+^{\mu}iU$	$-^{\mu}iX$
$^{\lambda}iR$	$+^{\mu}R$	$-^{\mu}Q$	$-^{\mu}P$	$-^{\mu}T$	$-^{\mu}N$	$-^{\mu}F$	$-^{\mu}Z$	$+^{\mu}iE$	$+^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iM$	$+^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iY$	$+^{\mu}iX$	$+^{\mu}iU$
$^{\lambda}iD$	$+^{\mu}D$	$-^{\mu}V$	$-^{\mu}F$	$-^{\mu}E$	$-^{\mu}X$	$-^{\mu}P$	$-^{\mu}L$	$+^{\mu}iT$	$+^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iU$	$+^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iS$	$+^{\mu}iN$	$+^{\mu}iM$
$^{\lambda}iE$	$+^{\mu}E$	$+^{\mu}F$	$-^{\mu}V$	$+^{\mu}D$	$+^{\mu}Y$	$+^{\mu}Q$	$-^{\mu}M$	$+^{\mu}iR$	$-^{\mu}iT$	$+^{\mu}iP$	$+^{\mu}iZ$	$-^{\mu}iU$	$+^{\mu}iX$	$-^{\mu}iN$	$+^{\mu}iS$	$-^{\mu}iL$
$^{\lambda}iF$	$+^{\mu}F$	$-^{\mu}E$	$+^{\mu}D$	$+^{\mu}V$	$-^{\mu}Z$	$+^{\mu}R$	$+^{\mu}N$	$-^{\mu}iQ$	$+^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iY$	$-^{\mu}iX$	$-^{\mu}iU$	$-^{\mu}iM$	$+^{\mu}iL$	$+^{\mu}iS$
$^{\lambda}iS$	$+^{\mu}S$	$-^{\mu}L$	$-^{\mu}M$	$-^{\mu}N$	$-^{\mu}T$	$-^{\mu}U$	$-^{\mu}V$	$+^{\mu}iX$	$+^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iP$	$+^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iD$	$+^{\mu}iE$	$+^{\mu}iF$
$^{\lambda}iL$	$+^{\mu}L$	$+^{\mu}S$	$+^{\mu}N$	$-^{\mu}M$	$+^{\mu}P$	$-^{\mu}X$	$+^{\mu}D$	$-^{\mu}iU$	$-^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iT$	$+^{\mu}iR$	$-^{\mu}iQ$	$+^{\mu}iV$	$+^{\mu}iF$	$-^{\mu}iE$
$^{\lambda}iM$	$+^{\mu}M$	$-^{\mu}N$	$+^{\mu}S$	$+^{\mu}L$	$-^{\mu}Q$	$+^{\mu}Y$	$+^{\mu}E$	$-^{\mu}iZ$	$+^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iR$	$-^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iF$	$+^{\mu}iV$	$+^{\mu}iD$
$^{\lambda}iN$	$+^{\mu}N$	$+^{\mu}M$	$-^{\mu}L$	$+^{\mu}S$	$+^{\mu}R$	$+^{\mu}Z$	$-^{\mu}F$	$+^{\mu}iY$	$-^{\mu}iX$	$+^{\mu}iU$	$+^{\mu}iQ$	$-^{\mu}iP$	$+^{\mu}iT$	$-^{\mu}iE$	$+^{\mu}iD$	$-^{\mu}iV$
$^{\lambda}iT$	$+^{\mu}T$	$+^{\mu}P$	$-^{\mu}Q$	$+^{\mu}R$	$+^{\mu}S$	$+^{\mu}V$	$-^{\mu}U$	$+^{\mu}iD$	$-^{\mu}iE$	$+^{\mu}iF$	$+^{\mu}iL$	$-^{\mu}iM$	$+^{\mu}iN$	$-^{\mu}iX$	$+^{\mu}iY$	$-^{\mu}iZ$
$^{\lambda}iU$	$+^{\mu}U$	$-^{\mu}X$	$+^{\mu}Y$	$+^{\mu}Z$	$-^{\mu}V$	$+^{\mu}S$	$+^{\mu}T$	$-^{\mu}iL$	$+^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iD$	$-^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iP$	$+^{\mu}iQ$	$+^{\mu}iR$
$^{\lambda}iV$	$+^{\mu}V$	$+^{\mu}D$	$+^{\mu}E$	$-^{\mu}F$	$+^{\mu}U$	$-^{\mu}T$	$+^{\mu}S$	$-^{\mu}iP$	$-^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iX$	$+^{\mu}iY$	$-^{\mu}iZ$	$+^{\mu}iL$	$+^{\mu}iM$	$-^{\mu}iN$
$^{\lambda}X$	$-^{\mu}iX$	$-^{\mu}iU$	$+^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iD$	$-^{\mu}iL$	$+^{\mu}iP$	$+^{\mu}S$	$-^{\mu}N$	$+^{\mu}M$	$+^{\mu}V$	$-^{\mu}F$	$+^{\mu}E$	$-^{\mu}T$	$+^{\mu}R$	$-^{\mu}Q$
$^{\lambda}Y$	$-^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iE$	$+^{\mu}iM$	$+^{\mu}iQ$	$+^{\mu}N$	$+^{\mu}S$	$+^{\mu}L$	$+^{\mu}F$	$+^{\mu}V$	$+^{\mu}D$	$+^{\mu}R$	$+^{\mu}T$	$+^{\mu}P$
$^{\lambda}Z$	$-^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iX$	$+^{\mu}iU$	$-^{\mu}iF$	$+^{\mu}iN$	$-^{\mu}iR$	$-^{\mu}M$	$-^{\mu}L$	$+^{\mu}S$	$+^{\mu}E$	$+^{\mu}D$	$-^{\mu}V$	$+^{\mu}Q$	$+^{\mu}P$	$-^{\mu}T$
$^{\lambda}P$	$-^{\mu}iP$	$+^{\mu}iT$	$-^{\mu}iR$	$-^{\mu}iQ$	$+^{\mu}iL$	$-^{\mu}iD$	$-^{\mu}iX$	$-^{\mu}V$	$+^{\mu}F$	$+^{\mu}E$	$+^{\mu}S$	$-^{\mu}N$	$-^{\mu}M$	$-^{\mu}U$	$+^{\mu}Z$	$+^{\mu}Y$
$^{\lambda}Q$	$-^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iT$	$+^{\mu}iP$	$-^{\mu}iM$	$+^{\mu}iE$	$-^{\mu}iY$	$-^{\mu}F$	$-^{\mu}V$	$+^{\mu}D$	$+^{\mu}N$	$+^{\mu}S$	$-^{\mu}L$	$+^{\mu}Z$	$+^{\mu}U$	$-^{\mu}X$
$^{\lambda}R$	$-^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iN$	$+^{\mu}iF$	$+^{\mu}iZ$	$+^{\mu}E$	$+^{\mu}D$	$+^{\mu}V$	$+^{\mu}M$	$+^{\mu}L$	$+^{\mu}S$	$+^{\mu}Y$	$+^{\mu}X$	$+^{\mu}U$
$^{\lambda}D$	$-^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iX$	$+^{\mu}iP$	$+^{\mu}iL$	$+^{\mu}T$	$+^{\mu}R$	$+^{\mu}Q$	$+^{\mu}U$	$+^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}S$	$+^{\mu}N$	$+^{\mu}M$
$^{\lambda}E$	$-^{\mu}iE$	$-^{\mu}iF$	$+^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iY$	$-^{\mu}iQ$	$+^{\mu}iM$	$+^{\mu}R$	$-^{\mu}T$	$+^{\mu}P$	$+^{\mu}Z$	$-^{\mu}U$	$+^{\mu}X$	$-^{\mu}N$	$+^{\mu}S$	$-^{\mu}L$
$^{\lambda}F$	$-^{\mu}iF$	$+^{\mu}iE$	$-^{\mu}iD$	$-^{\mu}iV$	$+^{\mu}iZ$	$-^{\mu}iR$	$-^{\mu}iN$	$-^{\mu}Q$	$+^{\mu}P$	$+^{\mu}T$	$+^{\mu}Y$	$-^{\mu}X$	$-^{\mu}U$	$-^{\mu}M$	$+^{\mu}L$	$+^{\mu}S$

Table 7. Kaotic Algebra multiplication table, part C1

	$^{\mu}S$	$^{\mu}L$	$^{\mu}M$	$^{\mu}N$	$^{\mu}T$	$^{\mu}U$	$^{\mu}V$	$^{\mu}iX$	$^{\mu}iY$	$^{\mu}iZ$	$^{\mu}iP$	$^{\mu}iQ$	$^{\mu}iR$	$^{\mu}iD$	$^{\mu}iE$	$^{\mu}iF$	$^{\mu}iS$	$^{\mu}iL$	$^{\mu}iM$	$^{\mu}iN$	$^{\mu}iT$	$^{\mu}iU$	$^{\mu}iV$	$^{\mu}X$	$^{\mu}Y$	$^{\mu}Z$	$^{\mu}P$	$^{\mu}Q$	$^{\mu}R$	$^{\mu}D$	$^{\mu}E$	$^{\mu}F$
S	$+^{\mu}S$	$+^{\mu}L$	$+^{\mu}M$	$+^{\mu}N$	$+^{\mu}T$	$+^{\mu}U$	$+^{\mu}V$	$+^{\mu}iX$	$+^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iP$	$+^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iD$	$+^{\mu}iE$	$+^{\mu}iF$	$+^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iT$	$+^{\mu}iU$	$+^{\mu}iV$	$+^{\mu}X$	$+^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}P$	$+^{\mu}Q$	$+^{\mu}R$	$+^{\mu}D$	$+^{\mu}E$	$+^{\mu}F$
L	$+^{\mu}L$	$-^{\mu}S$	$-^{\mu}N$	$+^{\mu}M$	$-^{\mu}P$	$+^{\mu}X$	$-^{\mu}D$	$-^{\mu}iU$	$-^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iT$	$+^{\mu}iR$	$-^{\mu}iQ$	$+^{\mu}iV$	$+^{\mu}iF$	$-^{\mu}iE$	$+^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iN$	$+^{\mu}iM$	$-^{\mu}iP$	$+^{\mu}iX$	$-^{\mu}iD$	$-^{\mu}U$	$-^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}T$	$+^{\mu}R$	$-^{\mu}Q$	$+^{\mu}V$	$+^{\mu}F$	$-^{\mu}E$
M	$+^{\mu}M$	$+^{\mu}N$	$-^{\mu}S$	$-^{\mu}L$	$+^{\mu}Q$	$-^{\mu}Y$	$-^{\mu}E$	$-^{\mu}iZ$	$+^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iR$	$-^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iF$	$+^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iM$	$+^{\mu}iN$	$-^{\mu}iS$	$-^{\mu}iL$	$+^{\mu}iQ$	$-^{\mu}iY$	$-^{\mu}iE$	$-^{\mu}Z$	$+^{\mu}U$	$+^{\mu}X$	$+^{\mu}R$	$-^{\mu}T$	$-^{\mu}P$	$-^{\mu}F$	$+^{\mu}V$	$+^{\mu}D$
N	$+^{\mu}N$	$-^{\mu}M$	$+^{\mu}L$	$-^{\mu}S$	$-^{\mu}R$	$-^{\mu}Z$	$+^{\mu}F$	$+^{\mu}iY$	$-^{\mu}iX$	$+^{\mu}iU$	$+^{\mu}iQ$	$-^{\mu}iP$	$+^{\mu}iT$	$-^{\mu}iE$	$+^{\mu}iD$	$-^{\mu}iV$	$+^{\mu}iN$	$-^{\mu}iM$	$+^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iR$	$-^{\mu}iZ$	$+^{\mu}iF$	$+^{\mu}Y$	$-^{\mu}X$	$+^{\mu}U$	$+^{\mu}Q$	$-^{\mu}P$	$+^{\mu}T$	$-^{\mu}E$	$+^{\mu}D$	$-^{\mu}V$
T	$+^{\mu}T$	$-^{\mu}P$	$+^{\mu}Q$	$-^{\mu}R$	$-^{\mu}S$	$-^{\mu}V$	$+^{\mu}U$	$+^{\mu}iD$	$-^{\mu}iE$	$+^{\mu}iF$	$+^{\mu}iL$	$-^{\mu}iM$	$+^{\mu}iN$	$-^{\mu}iX$	$+^{\mu}iY$	$-^{\mu}iZ$	$+^{\mu}iT$	$-^{\mu}iP$	$+^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iS$	$-^{\mu}iV$	$+^{\mu}iU$	$+^{\mu}D$	$-^{\mu}E$	$+^{\mu}F$	$+^{\mu}L$	$-^{\mu}M$	$+^{\mu}N$	$-^{\mu}X$	$+^{\mu}Y$	$-^{\mu}Z$
U	$+^{\mu}U$	$+^{\mu}X$	$-^{\mu}Y$	$-^{\mu}Z$	$+^{\mu}V$	$-^{\mu}S$	$-^{\mu}T$	$-^{\mu}iL$	$+^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iD$	$-^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iP$	$+^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iU$	$+^{\mu}iX$	$-^{\mu}iY$	$-^{\mu}iZ$	$+^{\mu}iV$	$-^{\mu}iS$	$-^{\mu}iT$	$-^{\mu}L$	$+^{\mu}M$	$+^{\mu}N$	$+^{\mu}D$	$-^{\mu}E$	$-^{\mu}F$	$-^{\mu}P$	$+^{\mu}Q$	$+^{\mu}R$
V	$+^{\mu}V$	$-^{\mu}D$	$-^{\mu}E$	$+^{\mu}F$	$-^{\mu}U$	$+^{\mu}T$	$-^{\mu}S$	$-^{\mu}iP$	$-^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iX$	$+^{\mu}iY$	$-^{\mu}iZ$	$+^{\mu}iL$	$+^{\mu}iM$	$-^{\mu}iN$	$+^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iE$	$+^{\mu}iF$	$-^{\mu}iU$	$+^{\mu}iT$	$-^{\mu}iS$	$-^{\mu}P$	$-^{\mu}Q$	$+^{\mu}R$	$+^{\mu}X$	$+^{\mu}Y$	$-^{\mu}Z$	$+^{\mu}L$	$+^{\mu}M$	$-^{\mu}N$
iX	$+^{\mu}iX$	$-^{\mu}iU$	$+^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iD$	$-^{\mu}iL$	$+^{\mu}iP$	$-^{\mu}S$	$+^{\mu}N$	$-^{\mu}M$	$-^{\mu}V$	$+^{\mu}F$	$-^{\mu}E$	$+^{\mu}T$	$-^{\mu}R$	$+^{\mu}Q$	$-^{\mu}X$	$+^{\mu}U$	$-^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}D$	$+^{\mu}L$	$-^{\mu}P$	$+^{\mu}iS$	$-^{\mu}iN$	$+^{\mu}iM$	$+^{\mu}iV$	$-^{\mu}iF$	$+^{\mu}iE$	$-^{\mu}iT$	$+^{\mu}iR$	$-^{\mu}iQ$
iY	$+^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iE$	$+^{\mu}iM$	$+^{\mu}iQ$	$-^{\mu}N$	$-^{\mu}S$	$-^{\mu}L$	$-^{\mu}F$	$-^{\mu}V$	$-^{\mu}D$	$-^{\mu}R$	$-^{\mu}T$	$-^{\mu}P$	$-^{\mu}Y$	$-^{\mu}Z$	$-^{\mu}U$	$-^{\mu}X$	$-^{\mu}E$	$-^{\mu}M$	$-^{\mu}Q$	$+^{\mu}iN$	$+^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iF$	$+^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iR$	$+^{\mu}iT$	$+^{\mu}iP$
iZ	$+^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iX$	$+^{\mu}iU$	$-^{\mu}iF$	$+^{\mu}iN$	$-^{\mu}iR$	$+^{\mu}M$	$+^{\mu}L$	$-^{\mu}S$	$-^{\mu}E$	$-^{\mu}D$	$+^{\mu}V$	$-^{\mu}Q$	$-^{\mu}P$	$+^{\mu}T$	$-^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}X$	$-^{\mu}U$	$+^{\mu}F$	$-^{\mu}N$	$+^{\mu}R$	$-^{\mu}iM$	$-^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iE$	$+^{\mu}iD$	$-^{\mu}iV$	$+^{\mu}iQ$	$+^{\mu}iP$	$-^{\mu}iT$
iP	$+^{\mu}iP$	$+^{\mu}iT$	$-^{\mu}iR$	$-^{\mu}iQ$	$+^{\mu}iL$	$-^{\mu}iD$	$-^{\mu}iX$	$+^{\mu}V$	$-^{\mu}F$	$-^{\mu}E$	$-^{\mu}S$	$+^{\mu}N$	$+^{\mu}M$	$+^{\mu}U$	$-^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}P$	$-^{\mu}T$	$+^{\mu}R$	$+^{\mu}Q$	$-^{\mu}L$	$+^{\mu}D$	$+^{\mu}X$	$-^{\mu}iV$	$+^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iS$	$-^{\mu}iN$	$-^{\mu}iM$	$-^{\mu}iU$	$+^{\mu}iZ$	$+^{\mu}iY$
iQ	$+^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iT$	$+^{\mu}iP$	$-^{\mu}iM$	$+^{\mu}iE$	$-^{\mu}iY$	$+^{\mu}F$	$+^{\mu}V$	$-^{\mu}D$	$-^{\mu}N$	$-^{\mu}S$	$+^{\mu}L$	$-^{\mu}Z$	$-^{\mu}U$	$+^{\mu}X$	$-^{\mu}Q$	$+^{\mu}R$	$+^{\mu}T$	$-^{\mu}P$	$+^{\mu}M$	$-^{\mu}E$	$+^{\mu}Y$	$-^{\mu}iF$	$-^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iN$	$+^{\mu}iS$	$-^{\mu}iL$	$+^{\mu}iZ$	$+^{\mu}iU$	$-^{\mu}iX$
iR	$+^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iN$	$+^{\mu}iF$	$+^{\mu}iZ$	$-^{\mu}E$	$-^{\mu}D$	$-^{\mu}V$	$-^{\mu}M$	$-^{\mu}L$	$-^{\mu}S$	$-^{\mu}Y$	$-^{\mu}X$	$-^{\mu}U$	$-^{\mu}R$	$-^{\mu}Q$	$-^{\mu}P$	$-^{\mu}T$	$-^{\mu}N$	$-^{\mu}F$	$-^{\mu}Z$	$+^{\mu}iE$	$+^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iM$	$+^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iY$	$+^{\mu}iX$	$+^{\mu}iU$
iD	$+^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iX$	$+^{\mu}iP$	$+^{\mu}iL$	$-^{\mu}T$	$-^{\mu}R$	$-^{\mu}Q$	$-^{\mu}U$	$-^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}S$	$-^{\mu}N$	$-^{\mu}M$	$-^{\mu}D$	$-^{\mu}V$	$-^{\mu}F$	$-^{\mu}E$	$-^{\mu}X$	$-^{\mu}P$	$-^{\mu}L$	$+^{\mu}iT$	$+^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iU$	$+^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iS$	$+^{\mu}iN$	$+^{\mu}iM$
iE	$+^{\mu}iE$	$-^{\mu}iF$	$+^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iY$	$-^{\mu}iQ$	$+^{\mu}iM$	$-^{\mu}R$	$+^{\mu}T$	$-^{\mu}P$	$-^{\mu}Z$	$+^{\mu}U$	$-^{\mu}X$	$+^{\mu}N$	$-^{\mu}S$	$+^{\mu}L$	$-^{\mu}E$	$+^{\mu}F$	$-^{\mu}V$	$+^{\mu}D$	$+^{\mu}Y$	$+^{\mu}Q$	$-^{\mu}M$	$+^{\mu}iR$	$-^{\mu}iT$	$+^{\mu}iP$	$+^{\mu}iZ$	$-^{\mu}iU$	$+^{\mu}iX$	$-^{\mu}iN$	$+^{\mu}iS$	$-^{\mu}iL$
iF	$+^{\mu}iF$	$+^{\mu}iE$	$-^{\mu}iD$	$-^{\mu}iV$	$+^{\mu}iZ$	$-^{\mu}iR$	$-^{\mu}iN$	$+^{\mu}Q$	$-^{\mu}P$	$-^{\mu}T$	$-^{\mu}Y$	$+^{\mu}X$	$+^{\mu}U$	$+^{\mu}M$	$-^{\mu}L$	$-^{\mu}S$	$-^{\mu}F$	$-^{\mu}E$	$+^{\mu}D$	$+^{\mu}V$	$-^{\mu}Z$	$+^{\mu}R$	$+^{\mu}N$	$-^{\mu}iQ$	$+^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iY$	$-^{\mu}iX$	$-^{\mu}iU$	$-^{\mu}iM$	$+^{\mu}iL$	$+^{\mu}iS$
iS	$+^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iT$	$+^{\mu}iU$	$+^{\mu}iV$	$-^{\mu}X$	$-^{\mu}Y$	$-^{\mu}Z$	$-^{\mu}P$	$-^{\mu}Q$	$-^{\mu}R$	$-^{\mu}D$	$-^{\mu}E$	$-^{\mu}F$	$-^{\mu}S$	$-^{\mu}L$	$-^{\mu}M$	$-^{\mu}N$	$-^{\mu}T$	$-^{\mu}U$	$-^{\mu}V$	$+^{\mu}iX$	$+^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iP$	$+^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iD$	$+^{\mu}iE$	$+^{\mu}iF$
iL	$+^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iN$	$+^{\mu}iM$	$-^{\mu}iP$	$+^{\mu}iX$	$-^{\mu}iD$	$+^{\mu}U$	$+^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}T$	$-^{\mu}R$	$+^{\mu}Q$	$-^{\mu}V$	$-^{\mu}F$	$+^{\mu}E$	$-^{\mu}L$	$+^{\mu}S$	$+^{\mu}N$	$-^{\mu}M$	$+^{\mu}P$	$-^{\mu}X$	$+^{\mu}D$	$-^{\mu}iU$	$-^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iT$	$+^{\mu}iR$	$-^{\mu}iQ$	$+^{\mu}iV$	$+^{\mu}iF$	$-^{\mu}iE$
iM	$+^{\mu}iM$	$+^{\mu}iN$	$-^{\mu}iS$	$-^{\mu}iL$	$+^{\mu}iQ$	$-^{\mu}iY$	$-^{\mu}iE$	$+^{\mu}Z$	$-^{\mu}U$	$-^{\mu}X$	$-^{\mu}R$	$+^{\mu}T$	$+^{\mu}P$	$+^{\mu}F$	$-^{\mu}V$	$-^{\mu}D$	$-^{\mu}M$	$-^{\mu}N$	$+^{\mu}S$	$+^{\mu}L$	$-^{\mu}Q$	$+^{\mu}Y$	$+^{\mu}E$	$-^{\mu}iZ$	$+^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iR$	$-^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iF$	$+^{\mu}iV$	$+^{\mu}iD$
iN	$+^{\mu}iN$	$-^{\mu}iM$	$+^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iR$	$-^{\mu}iZ$	$+^{\mu}iF$	$-^{\mu}Y$	$+^{\mu}X$	$-^{\mu}U$	$-^{\mu}Q$	$+^{\mu}P$	$-^{\mu}T$	$+^{\mu}E$	$-^{\mu}D$	$+^{\mu}V$	$-^{\mu}N$	$+^{\mu}M$	$-^{\mu}L$	$+^{\mu}S$	$+^{\mu}R$	$+^{\mu}Z$	$-^{\mu}F$	$+^{\mu}iY$	$-^{\mu}iX$	$+^{\mu}iU$	$+^{\mu}iQ$	$-^{\mu}iP$	$+^{\mu}iT$	$-^{\mu}iE$	$+^{\mu}iD$	$-^{\mu}iV$
iT	$+^{\mu}iT$	$-^{\mu}iP$	$+^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iS$	$-^{\mu}iV$	$+^{\mu}iU$	$-^{\mu}D$	$+^{\mu}E$	$-^{\mu}F$	$-^{\mu}L$	$+^{\mu}M$	$-^{\mu}N$	$+^{\mu}X$	$-^{\mu}Y$	$+^{\mu}Z$	$-^{\mu}T$	$+^{\mu}P$	$-^{\mu}Q$	$+^{\mu}R$	$+^{\mu}S$	$+^{\mu}V$	$-^{\mu}U$	$+^{\mu}iD$	$-^{\mu}iE$	$+^{\mu}iF$	$+^{\mu}iL$	$-^{\mu}iM$	$+^{\mu}iN$	$-^{\mu}iX$	$+^{\mu}iY$	$-^{\mu}iZ$
iU	$+^{\mu}iU$	$+^{\mu}iX$	$-^{\mu}iY$	$-^{\mu}iZ$	$+^{\mu}iV$	$-^{\mu}iS$	$-^{\mu}iT$	$+^{\mu}L$	$-^{\mu}M$	$-^{\mu}N$	$-^{\mu}D$	$+^{\mu}E$	$+^{\mu}F$	$+^{\mu}P$	$-^{\mu}Q$	$-^{\mu}R$	$-^{\mu}U$	$-^{\mu}X$	$+^{\mu}Y$	$+^{\mu}Z$	$-^{\mu}V$	$+^{\mu}S$	$+^{\mu}T$	$-^{\mu}iL$	$+^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iD$	$-^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iP$	$+^{\mu}iQ$	$+^{\mu}iR$
iV	$+^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iE$	$+^{\mu}iF$	$-^{\mu}iU$	$+^{\mu}iT$	$-^{\mu}iS$	$+^{\mu}P$	$+^{\mu}Q$	$-^{\mu}R$	$-^{\mu}X$	$-^{\mu}Y$	$+^{\mu}Z$	$-^{\mu}L$	$-^{\mu}M$	$+^{\mu}N$	$-^{\mu}V$	$+^{\mu}D$	$+^{\mu}E$	$-^{\mu}F$	$+^{\mu}U$	$-^{\mu}T$	$+^{\mu}S$	$-^{\mu}iP$	$-^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iX$	$+^{\mu}iY$	$-^{\mu}iZ$	$+^{\mu}iL$	$+^{\mu}iM$	$-^{\mu}iN$
X	$+^{\mu}X$	$-^{\mu}U$	$+^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}D$	$-^{\mu}L$	$+^{\mu}P$	$+^{\mu}iS$	$-^{\mu}iN$	$+^{\mu}iM$	$+^{\mu}iV$	$-^{\mu}iF$	$+^{\mu}iE$	$-^{\mu}iT$	$+^{\mu}iR$	$-^{\mu}iQ$	$+^{\mu}iX$	$-^{\mu}iU$	$+^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iD$	$-^{\mu}iL$	$+^{\mu}iP$	$+^{\mu}S$	$-^{\mu}N$	$+^{\mu}M$	$+^{\mu}V$	$-^{\mu}F$	$+^{\mu}E$	$-^{\mu}T$	$+^{\mu}R$	$-^{\mu}Q$
Y	$+^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}U$	$+^{\mu}X$	$+^{\mu}E$	$+^{\mu}M$	$+^{\mu}Q$	$+^{\mu}iN$	$+^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iF$	$+^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iR$	$+^{\mu}iT$	$+^{\mu}iP$	$+^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iE$	$+^{\mu}iM$	$+^{\mu}iQ$	$+^{\mu}N$	$+^{\mu}S$	$+^{\mu}L$	$+^{\mu}F$	$+^{\mu}V$	$+^{\mu}D$	$+^{\mu}R$	$+^{\mu}T$	$+^{\mu}P$
Z	$+^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}X$	$+^{\mu}U$	$-^{\mu}F$	$+^{\mu}N$	$-^{\mu}R$	$-^{\mu}iM$	$-^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iE$	$+^{\mu}iD$	$-^{\mu}iV$	$+^{\mu}iQ$	$+^{\mu}iP$	$-^{\mu}iT$	$+^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iX$	$+^{\mu}iU$	$-^{\mu}iF$	$+^{\mu}iN$	$-^{\mu}iR$	$-^{\mu}M$	$-^{\mu}L$	$+^{\mu}S$	$+^{\mu}E$	$+^{\mu}D$	$-^{\mu}V$	$+^{\mu}Q$	$+^{\mu}P$	$-^{\mu}T$
P	$+^{\mu}P$	$+^{\mu}T$	$-^{\mu}R$	$-^{\mu}Q$	$+^{\mu}L$	$-^{\mu}D$	$-^{\mu}X$	$-^{\mu}iV$	$+^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iS$	$-^{\mu}iN$	$-^{\mu}iM$	$-^{\mu}iU$	$+^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iP$	$+^{\mu}iT$	$-^{\mu}iR$	$-^{\mu}iQ$	$+^{\mu}iL$	$-^{\mu}iD$	$-^{\mu}iX$	$-^{\mu}V$	$+^{\mu}F$	$+^{\mu}E$	$+^{\mu}S$	$-^{\mu}N$	$-^{\mu}M$	$-^{\mu}U$	$+^{\mu}Z$	$+^{\mu}Y$
Q	$+^{\mu}Q$	$-^{\mu}R$	$-^{\mu}T$	$+^{\mu}P$	$-^{\mu}M$	$+^{\mu}E$	$-^{\mu}Y$	$-^{\mu}iF$	$-^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iN$	$+^{\mu}iS$	$-^{\mu}iL$	$+^{\mu}iZ$	$+^{\mu}iU$	$-^{\mu}iX$	$+^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iT$	$+^{\mu}iP$	$-^{\mu}iM$	$+^{\mu}iE$	$-^{\mu}iY$	$-^{\mu}F$	$-^{\mu}V$	$+^{\mu}D$	$+^{\mu}N$	$+^{\mu}S$	$-^{\mu}L$	$+^{\mu}Z$	$+^{\mu}U$	$-^{\mu}X$
R	$+^{\mu}R$	$+^{\mu}Q$	$+^{\mu}P$	$+^{\mu}T$	$+^{\mu}N$	$+^{\mu}F$	$+^{\mu}Z$	$+^{\mu}iE$	$+^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iM$	$+^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iY$	$+^{\mu}iX$	$+^{\mu}iU$	$+^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iN$	$+^{\mu}iF$	$+^{\mu}iZ$	$+^{\mu}E$	$+^{\mu}D$	$+^{\mu}V$	$+^{\mu}M$	$+^{\mu}L$	$+^{\mu}S$	$+^{\mu}Y$	$+^{\mu}X$	$+^{\mu}U$
D	$+^{\mu}D$	$+^{\mu}V$	$+^{\mu}F$	$+^{\mu}E$	$+^{\mu}X$	$+^{\mu}P$	$+^{\mu}L$	$+^{\mu}iT$	$+^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iU$	$+^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iS$	$+^{\mu}iN$	$+^{\mu}iM$	$+^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iX$	$+^{\mu}iP$	$+^{\mu}iL$	$+^{\mu}T$	$+^{\mu}R$	$+^{\mu}Q$	$+^{\mu}U$	$+^{\mu}Z$	$+^{\mu}Y$	$+^{\mu}S$	$+^{\mu}N$	$+^{\mu}M$
E	$+^{\mu}E$	$-^{\mu}F$	$+^{\mu}V$	$-^{\mu}D$	$-^{\mu}Y$	$-^{\mu}Q$	$+^{\mu}M$	$+^{\mu}iR$	$-^{\mu}iT$	$+^{\mu}iP$	$+^{\mu}iZ$	$-^{\mu}iU$	$+^{\mu}iX$	$-^{\mu}iN$	$+^{\mu}iS$	$-^{\mu}iL$	$+^{\mu}iE$	$-^{\mu}iF$	$+^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iY$	$-^{\mu}iQ$	$+^{\mu}iM$	$+^{\mu}R$	$-^{\mu}T$	$+^{\mu}P$	$+^{\mu}Z$	$-^{\mu}U$	$+^{\mu}X$	$-^{\mu}N$	$+^{\mu}S$	$-^{\mu}L$
F	$+^{\mu}F$	$+^{\mu}E$	$-^{\mu}D$	$-^{\mu}V$	$+^{\mu}Z$	$-^{\mu}R$	$-^{\mu}N$	$-^{\mu}iQ$	$+^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iY$	$-^{\mu}iX$	$-^{\mu}iU$	$-^{\mu}iM$	$+^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iF$	$+^{\mu}iE$	$-^{\mu}iD$	$-^{\mu}iV$	$+^{\mu}iZ$	$-^{\mu}iR$	$-^{\mu}iN$	$-^{\mu}Q$	$+^{\mu}P$	$+^{\mu}T$	$+^{\mu}Y$	$-^{\mu}X$	$-^{\mu}U$	$-^{\mu}M$	$+^{\mu}L$	$+^{\mu}S$
$^{\nu}S$	$+^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}M$	$+^{\lambda}N$	$+^{\lambda}T$	$+^{\lambda}U$	$+^{\lambda}V$	$+^{\lambda}iX$	$+^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iM$	$+^{\lambda}iN$	$+^{\lambda}iT$	$+^{\lambda}iU$	$+^{\lambda}iV$	$+^{\lambda}X$	$+^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}P$	$+^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}D$	$+^{\lambda}E$	$+^{\lambda}F$
$^{\nu}L$	$+^{\lambda}L$	$-^{\lambda}S$	$+^{\lambda}N$	$-^{\lambda}M$	$-^{\lambda}P$	$+^{\lambda}X$	$-^{\lambda}D$	$-^{\lambda}iU$	$+^{\lambda}iZ$	$-^{\lambda}iY$	$+^{\lambda}iT$	$-^{\lambda}iR$	$+^{\lambda}iQ$	$+^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iL$	$-^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iP$	$+^{\lambda}iX$	$-^{\lambda}iD$	$-^{\lambda}U$	$+^{\lambda}Z$	$-^{\lambda}Y$	$+^{\lambda}T$	$-^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}V$	$-^{\lambda}F$	$+^{\lambda}E$
$^{\nu}M$	$+^{\lambda}M$	$-^{\lambda}N$	$-^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}Q$	$-^{\lambda}Y$	$-^{\lambda}E$	$+^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iR$	$-^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iF$	$+^{\lambda}iV$	$-^{\lambda}iD$	$+^{\lambda}iM$	$-^{\lambda}iN$	$-^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iQ$	$-^{\lambda}iY$	$-^{\lambda}iE$	$+^{\lambda}Z$	$+^{\lambda}U$	$-^{\lambda}X$	$-^{\lambda}R$	$-^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}F$	$+^{\lambda}V$	$-^{\lambda}D$
$^{\nu}N$	$+^{\lambda}N$	$+^{\lambda}M$	$-^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}R$	$-^{\lambda}Z$	$+^{\lambda}F$	$-^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iE$	$-^{\lambda}iD$	$-^{\lambda}iV$	$+^{\lambda}iN$	$+^{\lambda}iM$	$-^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iR$	$-^{\lambda}iZ$	$+^{\lambda}iF$	$-^{\lambda}Y$	$+^{\lambda}X$	$+^{\lambda}U$	$-^{\lambda}Q$	$+^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}E$	$-^{\lambda}D$	$-^{\lambda}V$
$^{\nu}T$	$+^{\lambda}T$	$-^{\lambda}P$	$+^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}S$	$+^{\lambda}V$	$-^{\lambda}U$	$-^{\lambda}iD$	$+^{\lambda}iE$	$-^{\lambda}iF$	$+^{\lambda}iL$	$-^{\lambda}iM$	$+^{\lambda}iN$	$+^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iT$	$-^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iS$	$+^{\lambda}iV$	$-^{\lambda}iU$	$-^{\lambda}D$	$+^{\lambda}E$	$-^{\lambda}F$	$+^{\lambda}L$	$-^{\lambda}M$	$+^{\lambda}N$	$+^{\lambda}X$	$-^{\lambda}Y$	$+^{\lambda}Z$
$^{\nu}U$	$+^{\lambda}U$	$+^{\lambda}X$	$-^{\lambda}Y$	$-^{\lambda}Z$	$-^{\lambda}V$	$-^{\lambda}S$	$+^{\lambda}T$	$-^{\lambda}iL$	$+^{\lambda}iM$	$+^{\lambda}iN$	$-^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iP$	$-^{\lambda}iQ$	$-^{\lambda}iR$	$+^{\lambda}iU$	$+^{\lambda}iX$	$-^{\lambda}iY$	$-^{\lambda}iZ$	$-^{\lambda}iV$	$-^{\lambda}iS$	$+^{\lambda}iT$	$-^{\lambda}L$	$+^{\lambda}M$	$+^{\lambda}N$	$-^{\lambda}D$	$+^{\lambda}E$	$+^{\lambda}F$	$+^{\lambda}P$	$-^{\lambda}Q$	$-^{\lambda}R$
$^{\nu}V$	$+^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}E$	$+^{\lambda}F$	$+^{\lambda}U$	$-^{\lambda}T$	$-^{\lambda}S$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iL$	$+^{\lambda}iM$	$-^{\lambda}iN$	$+^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iU$	$-^{\lambda}iT$	$-^{\lambda}iS$	$+^{\lambda}P$	$+^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}X$	$-^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}L$	$+^{\lambda}M$	$-^{\lambda}N$
$^{\nu}iX$	$+^{\lambda}iX$	$-^{\lambda}iU$	$-^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iD$	$-^{\lambda}iL$	$-^{\lambda}iP$	$-^{\lambda}S$	$-^{\lambda}N$	$+^{\lambda}M$	$+^{\lambda}V$	$+^{\lambda}F$	$-^{\lambda}E$	$-^{\lambda}T$	$-^{\lambda}R$	$+^{\lambda}Q$	$-^{\lambda}X$	$+^{\lambda}U$	$+^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}D$	$+^{\lambda}L$	$+^{\lambda}P$	$+^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iT$	$+^{\lambda}iR$	$-^{\lambda}iQ$
$^{\nu}iY$	$+^{\lambda}iY$	$-^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iE$	$+^{\lambda}iM$	$-^{\lambda}iQ$	$+^{\lambda}N$	$-^{\lambda}S$	$+^{\lambda}L$	$-^{\lambda}F$	$+^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}R$	$+^{\lambda}T$	$-^{\lambda}P$	$-^{\lambda}Y$	$+^{\lambda}Z$	$-^{\lambda}U$	$+^{\lambda}X$	$+^{\lambda}E$	$-^{\lambda}M$	$+^{\lambda}Q$	$-^{\lambda}iN$	$+^{\lambda}iS$	$-^{\lambda}iL$	$+^{\lambda}iF$	$-^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iR$	$-^{\lambda}iT$	$+^{\lambda}iP$
$^{\nu}iZ$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iF$	$+^{\lambda}iN$	$+^{\lambda}iR$	$-^{\lambda}M$	$-^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}E$	$-^{\lambda}D$	$-^{\lambda}V$	$-^{\lambda}Q$	$-^{\lambda}P$	$-^{\lambda}T$	$-^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}F$	$-^{\lambda}N$	$-^{\lambda}R$	$+^{\lambda}iM$	$+^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iE$	$+^{\lambda}iD$	$+^{\lambda}iV$	$+^{\lambda}iQ$	$+^{\lambda}iP$	$+^{\lambda}iT$
$^{\nu}iP$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$+^{\lambda}iL$	$+^{\lambda}iD$	$+^{\lambda}iX$	$-^{\lambda}V$	$-^{\lambda}F$	$-^{\lambda}E$	$-^{\lambda}S$	$-^{\lambda}N$	$-^{\lambda}M$	$-^{\lambda}U$	$-^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}P$	$-^{\lambda}T$	$-^{\lambda}R$	$-^{\lambda}Q$	$-^{\lambda}L$	$-^{\lambda}D$	$-^{\lambda}X$	$+^{\lambda}iV$	$+^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iS$	$+^{\lambda}iN$	$+^{\lambda}iM$	$+^{\lambda}iU$	$+^{\lambda}iZ$	$+^{\lambda}iY$
$^{\nu}iQ$	$+^{\lambda}iQ$	$+^{\lambda}iR$	$-^{\lambda}iT$	$-^{\lambda}iP$	$-^{\lambda}iM$	$-^{\lambda}iE$	$+^{\lambda}iY$	$+^{\lambda}F$	$-^{\lambda}V$	$-^{\lambda}D$	$+^{\lambda}N$	$-^{\lambda}S$	$-^{\lambda}L$	$-^{\lambda}Z$	$+^{\lambda}U$	$+^{\lambda}X$	$-^{\lambda}Q$	$-^{\lambda}R$	$+^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}M$	$+^{\lambda}E$	$-^{\lambda}Y$	$-^{\lambda}iF$	$+^{\lambda}iV$	$+^{\lambda}iD$	$-^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iZ$	$-^{\lambda}iU$	$-^{\lambda}iX$
$^{\nu}iR$	$+^{\lambda}iR$	$-^{\lambda}iQ$	$-^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iN$	$-^{\lambda}iF$	$-^{\lambda}iZ$	$-^{\lambda}E$	$-^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}M$	$+^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}Y$	$-^{\lambda}X$	$+^{\lambda}U$	$-^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}P$	$-^{\lambda}T$	$-^{\lambda}N$	$+^{\lambda}F$	$+^{\lambda}Z$	$+^{\lambda}iE$	$+^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iY$	$+^{\lambda}iX$	$-^{\lambda}iU$
$^{\nu}iD$	$+^{\lambda}iD$	$+^{\lambda}iV$	$-^{\lambda}iF$	$-^{\lambda}iE$	$-^{\lambda}iX$	$-^{\lambda}iP$	$+^{\lambda}iL$	$+^{\lambda}T$	$-^{\lambda}R$	$-^{\lambda}Q$	$+^{\lambda}U$	$-^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}S$	$+^{\lambda}N$	$+^{\lambda}M$	$-^{\lambda}D$	$-^{\lambda}V$	$+^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}X$	$+^{\lambda}P$	$-^{\lambda}L$	$-^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$-^{\lambda}iU$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iS$	$-^{\lambda}iN$	$-^{\lambda}iM$
$^{\nu}iE$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iY$	$+^{\lambda}iQ$	$+^{\lambda}iM$	$-^{\lambda}R$	$-^{\lambda}T$	$-^{\lambda}P$	$-^{\lambda}Z$	$-^{\lambda}U$	$-^{\lambda}X$	$-^{\lambda}N$	$-^{\lambda}S$	$-^{\lambda}L$	$-^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}Y$	$-^{\lambda}Q$	$-^{\lambda}M$	$+^{\lambda}iR$	$+^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iZ$	$+^{\lambda}iU$	$+^{\lambda}iX$	$+^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$
$^{\nu}iF$	$+^{\lambda}iF$	$-^{\lambda}iE$	$+^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iZ$	$+^{\lambda}iR$	$-^{\lambda}iN$	$+^{\lambda}Q$	$-^{\lambda}P$	$+^{\lambda}T$	$-^{\lambda}Y$	$+^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}M$	$+^{\lambda}L$	$-^{\lambda}S$	$-^{\lambda}F$	$+^{\lambda}E$	$-^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}Z$	$-^{\lambda}R$	$+^{\lambda}N$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$-^{\lambda}iT$	$+^{\lambda}iY$	$-^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$
$^{\nu}iS$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iM$	$+^{\lambda}iN$	$+^{\lambda}iT$	$+^{\lambda}iU$	$+^{\lambda}iV$	$-^{\lambda}X$	$-^{\lambda}Y$	$-^{\lambda}Z$	$-^{\lambda}P$	$-^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}D$	$-^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}S$	$-^{\lambda}L$	$-^{\lambda}M$	$-^{\lambda}N$	$-^{\lambda}T$	$-^{\lambda}U$	$-^{\lambda}V$	$+^{\lambda}iX$	$+^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$
$^{\nu}iL$	$+^{\lambda}iL$	$-^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iP$	$+^{\lambda}iX$	$-^{\lambda}iD$	$+^{\lambda}U$	$-^{\lambda}Z$	$+^{\lambda}Y$	$-^{\lambda}T$	$+^{\lambda}R$	$-^{\lambda}Q$	$-^{\lambda}V$	$+^{\lambda}F$	$-^{\lambda}E$	$-^{\lambda}L$	$+^{\lambda}S$	$-^{\lambda}N$	$+^{\lambda}M$	$+^{\lambda}P$	$-^{\lambda}X$	$+^{\lambda}D$	$-^{\lambda}iU$	$+^{\lambda}iZ$	$-^{\lambda}iY$	$+^{\lambda}iT$	$-^{\lambda}iR$	$+^{\lambda}iQ$	$+^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$
$^{\nu}iM$	$+^{\lambda}iM$	$-^{\lambda}iN$	$-^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iQ$	$-^{\lambda}iY$	$-^{\lambda}iE$	$-^{\lambda}Z$	$-^{\lambda}U$	$+^{\lambda}X$	$+^{\lambda}R$	$+^{\lambda}T$	$-^{\lambda}P$	$-^{\lambda}F$	$-^{\lambda}V$	$+^{\lambda}D$	$-^{\lambda}M$	$+^{\lambda}N$	$+^{\lambda}S$	$-^{\lambda}L$	$-^{\lambda}Q$	$+^{\lambda}Y$	$+^{\lambda}E$	$+^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iR$	$-^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iF$	$+^{\lambda}iV$	$-^{\lambda}iD$
$^{\nu}iN$	$+^{\lambda}iN$	$+^{\lambda}iM$	$-^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iR$	$-^{\lambda}iZ$	$+^{\lambda}iF$	$+^{\lambda}Y$	$-^{\lambda}X$	$-^{\lambda}U$	$+^{\lambda}Q$	$-^{\lambda}P$	$-^{\lambda}T$	$-^{\lambda}E$	$+^{\lambda}D$	$+^{\lambda}V$	$-^{\lambda}N$	$-^{\lambda}M$	$+^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}R$	$+^{\lambda}Z$	$-^{\lambda}F$	$-^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iE$	$-^{\lambda}iD$	$-^{\lambda}iV$
$^{\nu}iT$	$+^{\lambda}iT$	$-^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iS$	$+^{\lambda}iV$	$-^{\lambda}iU$	$+^{\lambda}D$	$-^{\lambda}E$	$+^{\lambda}F$	$-^{\lambda}L$	$+^{\lambda}M$	$-^{\lambda}N$	$-^{\lambda}X$	$+^{\lambda}Y$	$-^{\lambda}Z$	$-^{\lambda}T$	$+^{\lambda}P$	$-^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}S$	$-^{\lambda}V$	$+^{\lambda}U$	$-^{\lambda}iD$	$+^{\lambda}iE$	$-^{\lambda}iF$	$+^{\lambda}iL$	$-^{\lambda}iM$	$+^{\lambda}iN$	$+^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$
$^{\nu}iU$	$+^{\lambda}iU$	$+^{\lambda}iX$	$-^{\lambda}iY$	$-^{\lambda}iZ$	$-^{\lambda}iV$	$-^{\lambda}iS$	$+^{\lambda}iT$	$+^{\lambda}L$	$-^{\lambda}M$	$-^{\lambda}N$	$+^{\lambda}D$	$-^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}P$	$+^{\lambda}Q$	$+^{\lambda}R$	$-^{\lambda}U$	$-^{\lambda}X$	$+^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}V$	$+^{\lambda}S$	$-^{\lambda}T$	$-^{\lambda}iL$	$+^{\lambda}iM$	$+^{\lambda}iN$	$-^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iP$	$-^{\lambda}iQ$	$-^{\lambda}iR$
$^{\nu}iV$	$+^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iU$	$-^{\lambda}iT$	$-^{\lambda}iS$	$-^{\lambda}P$	$-^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}X$	$+^{\lambda}Y$	$-^{\lambda}Z$	$-^{\lambda}L$	$-^{\lambda}M$	$+^{\lambda}N$	$-^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}U$	$+^{\lambda}T$	$+^{\lambda}S$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iL$	$+^{\lambda}iM$	$-^{\lambda}iN$
$^{\nu}X$	$+^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}D$	$-^{\lambda}L$	$-^{\lambda}P$	$+^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iT$	$+^{\lambda}iR$	$-^{\lambda}iQ$	$+^{\lambda}iX$	$-^{\lambda}iU$	$-^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iD$	$-^{\lambda}iL$	$-^{\lambda}iP$	$+^{\lambda}S$	$+^{\lambda}N$	$-^{\lambda}M$	$-^{\lambda}V$	$-^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}T$	$+^{\lambda}R$	$-^{\lambda}Q$
$^{\nu}Y$	$+^{\lambda}Y$	$-^{\lambda}Z$	$+^{\lambda}U$	$-^{\lambda}X$	$-^{\lambda}E$	$+^{\lambda}M$	$-^{\lambda}Q$	$-^{\lambda}iN$	$+^{\lambda}iS$	$-^{\lambda}iL$	$+^{\lambda}iF$	$-^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iR$	$-^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iY$	$-^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iE$	$+^{\lambda}iM$	$-^{\lambda}iQ$	$-^{\lambda}N$	$+^{\lambda}S$	$-^{\lambda}L$	$+^{\lambda}F$	$-^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}R$	$-^{\lambda}T$	$+^{\lambda}P$
$^{\nu}Z$	$+^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}X$	$+^{\lambda}U$	$+^{\lambda}F$	$+^{\lambda}N$	$+^{\lambda}R$	$+^{\lambda}iM$	$+^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iE$	$+^{\lambda}iD$	$+^{\lambda}iV$	$+^{\lambda}iQ$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iF$	$+^{\lambda}iN$	$+^{\lambda}iR$	$+^{\lambda}M$	$+^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}E$	$+^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}Q$	$+^{\lambda}P$	$+^{\lambda}T$
$^{\nu}P$	$+^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}L$	$+^{\lambda}D$	$+^{\lambda}X$	$+^{\lambda}iV$	$+^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iS$	$+^{\lambda}iN$	$+^{\lambda}iM$	$+^{\lambda}iU$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$+^{\lambda}iL$	$+^{\lambda}iD$	$+^{\lambda}iX$	$+^{\lambda}V$	$+^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}S$	$+^{\lambda}N$	$+^{\lambda}M$	$+^{\lambda}U$	$+^{\lambda}Z$	$+^{\lambda}Y$
$^{\nu}Q$	$+^{\lambda}Q$	$+^{\lambda}R$	$-^{\lambda}T$	$-^{\lambda}P$	$-^{\lambda}M$	$-^{\lambda}E$	$+^{\lambda}Y$	$-^{\lambda}iF$	$+^{\lambda}iV$	$+^{\lambda}iD$	$-^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iZ$	$-^{\lambda}iU$	$-^{\lambda}iX$	$+^{\lambda}iQ$	$+^{\lambda}iR$	$-^{\lambda}iT$	$-^{\lambda}iP$	$-^{\lambda}iM$	$-^{\lambda}iE$	$+^{\lambda}iY$	$-^{\lambda}F$	$+^{\lambda}V$	$+^{\lambda}D$	$-^{\lambda}N$	$+^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}Z$	$-^{\lambda}U$	$-^{\lambda}X$
$^{\nu}R$	$+^{\lambda}R$	$-^{\lambda}Q$	$-^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}N$	$-^{\lambda}F$	$-^{\lambda}Z$	$+^{\lambda}iE$	$+^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iY$	$+^{\lambda}iX$	$-^{\lambda}iU$	$+^{\lambda}iR$	$-^{\lambda}iQ$	$-^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iN$	$-^{\lambda}iF$	$-^{\lambda}iZ$	$+^{\lambda}E$	$+^{\lambda}D$	$-^{\lambda}V$	$-^{\lambda}M$	$-^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}Y$	$+^{\lambda}X$	$-^{\lambda}U$
$^{\nu}D$	$+^{\lambda}D$	$+^{\lambda}V$	$-^{\lambda}F$	$-^{\lambda}E$	$-^{\lambda}X$	$-^{\lambda}P$	$+^{\lambda}L$	$-^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$-^{\lambda}iU$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iS$	$-^{\lambda}iN$	$-^{\lambda}iM$	$+^{\lambda}iD$	$+^{\lambda}iV$	$-^{\lambda}iF$	$-^{\lambda}iE$	$-^{\lambda}iX$	$-^{\lambda}iP$	$+^{\lambda}iL$	$-^{\lambda}T$	$+^{\lambda}R$	$+^{\lambda}Q$	$-^{\lambda}U$	$+^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}S$	$-^{\lambda}N$	$-^{\lambda}M$
$^{\nu}E$	$+^{\lambda}E$	$+^{\lambda}F$	$+^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}Y$	$+^{\lambda}Q$	$+^{\lambda}M$	$+^{\lambda}iR$	$+^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iZ$	$+^{\lambda}iU$	$+^{\lambda}iX$	$+^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iY$	$+^{\lambda}iQ$	$+^{\lambda}iM$	$+^{\lambda}R$	$+^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}Z$	$+^{\lambda}U$	$+^{\lambda}X$	$+^{\lambda}N$	$+^{\lambda}S$	$+^{\lambda}L$
$^{\nu}F$	$+^{\lambda}F$	$-^{\lambda}E$	$+^{\lambda}D$	$-^{\lambda}V$	$-^{\lambda}Z$	$+^{\lambda}R$	$-^{\lambda}N$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$-^{\lambda}iT$	$+^{\lambda}iY$	$-^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iF$	$-^{\lambda}iE$	$+^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iZ$	$+^{\lambda}iR$	$-^{\lambda}iN$	$-^{\lambda}Q$	$+^{\lambda}P$	$-^{\lambda}T$	$+^{\lambda}Y$	$-^{\lambda}X$	$+^{\lambda}U$	$+^{\lambda}M$	$-^{\lambda}L$	$+^{\lambda}S$

TABLE 8. Kaotic Algebra multiplication table, part C2

	$^\mu S$	$^\mu L$	$^\mu M$	$^\mu N$	$^\mu T$	$^\mu U$	$^\mu V$	$^\mu iX$	$^\mu iY$	$^\mu iZ$	$^\mu iP$	$^\mu iQ$	$^\mu iR$	$^\mu iD$	$^\mu iE$	$^\mu iF$
$^\mu S$	$-S$	$+L$	$+M$	$+N$	$+T$	$+U$	$+V$	$+iX$	$+iY$	$+iZ$	$+iP$	$+iQ$	$+iR$	$+iD$	$+iE$	$+iF$
$^\mu L$	$-L$	$-S$	$-N$	$+M$	$-P$	$+X$	$-D$	$-iU$	$-iZ$	$+iY$	$+iT$	$+iR$	$-iQ$	$+iV$	$+iF$	$-iE$
$^\mu M$	$-M$	$+N$	$-S$	$-L$	$+Q$	$-Y$	$-E$	$-iZ$	$+iU$	$+iX$	$+iR$	$-iT$	$-iP$	$-iF$	$+iV$	$+iD$
$^\mu N$	$-N$	$-M$	$+L$	$-S$	$-R$	$-Z$	$+F$	$+iY$	$-iX$	$+iU$	$+iQ$	$-iP$	$+iT$	$-iE$	$+iD$	$-iV$
$^\mu T$	$-T$	$-P$	$+Q$	$-R$	$-S$	$-V$	$+U$	$+iD$	$-iE$	$+iF$	$+iL$	$-iM$	$+iN$	$-iX$	$+iY$	$-iZ$
$^\mu U$	$-U$	$+X$	$-Y$	$-Z$	$+V$	$-S$	$-T$	$-iL$	$+iM$	$+iN$	$+iD$	$-iE$	$-iF$	$-iP$	$+iQ$	$+iR$
$^\mu V$	$-V$	$-D$	$-E$	$+F$	$-U$	$+T$	$-S$	$-iP$	$-iQ$	$+iR$	$+iX$	$+iY$	$-iZ$	$+iL$	$+iM$	$-iN$
$^\mu iX$	$-iX$	$-iU$	$+iZ$	$-iY$	$-iD$	$-iL$	$+iP$	$-S$	$+N$	$-M$	$-V$	$+F$	$-E$	$+T$	$-R$	$+Q$
$^\mu iY$	$-iY$	$+iZ$	$+iU$	$+iX$	$+iE$	$+iM$	$+iQ$	$-N$	$-S$	$-L$	$-F$	$-V$	$-D$	$-R$	$-T$	$-P$
$^\mu iZ$	$-iZ$	$-iY$	$-iX$	$+iU$	$-iF$	$+iN$	$-iR$	$+M$	$+L$	$-S$	$-E$	$-D$	$+V$	$-Q$	$-P$	$+T$
$^\mu iP$	$-iP$	$+iT$	$-iR$	$-iQ$	$+iL$	$-iD$	$-iX$	$+V$	$-F$	$-E$	$-S$	$+N$	$+M$	$+U$	$-Z$	$-Y$
$^\mu iQ$	$-iQ$	$-iR$	$-iT$	$+iP$	$-iM$	$+iE$	$-iY$	$+F$	$+V$	$-D$	$-N$	$-S$	$+L$	$-Z$	$-U$	$+X$
$^\mu iR$	$-iR$	$+iQ$	$+iP$	$+iT$	$+iN$	$+iF$	$+iZ$	$-E$	$-D$	$-V$	$-M$	$-L$	$-S$	$-Y$	$-X$	$-U$
$^\mu iD$	$-iD$	$+iV$	$+iF$	$+iE$	$+iX$	$+iP$	$+iL$	$-T$	$-R$	$-Q$	$-U$	$-Z$	$-Y$	$-S$	$-N$	$-M$
$^\mu iE$	$-iE$	$-iF$	$+iV$	$-iD$	$-iY$	$-iQ$	$+iM$	$-R$	$+T$	$-P$	$-Z$	$+U$	$-X$	$+N$	$-S$	$+L$
$^\mu iF$	$-iF$	$+iE$	$-iD$	$-iV$	$+iZ$	$-iR$	$-iN$	$+Q$	$-P$	$-T$	$-Y$	$+X$	$+U$	$+M$	$-L$	$-S$
$^\mu iS$	$-iS$	$+iL$	$+iM$	$+iN$	$+iT$	$+iU$	$+iV$	$-X$	$-Y$	$-Z$	$-P$	$-Q$	$-R$	$-D$	$-E$	$-F$
$^\mu iL$	$-iL$	$-iS$	$-iN$	$+iM$	$-iP$	$+iX$	$-iD$	$+U$	$+Z$	$-Y$	$-T$	$-R$	$+Q$	$-V$	$-F$	$+E$
$^\mu iM$	$-iM$	$+iN$	$-iS$	$-iL$	$+iQ$	$-iY$	$-iE$	$+Z$	$-U$	$-X$	$-R$	$+T$	$+P$	$+F$	$-V$	$-D$
$^\mu iN$	$-iN$	$-iM$	$+iL$	$-iS$	$-iR$	$-iZ$	$+iF$	$-Y$	$+X$	$-U$	$-Q$	$+P$	$-T$	$+E$	$-D$	$+V$
$^\mu iT$	$-iT$	$-iP$	$+iQ$	$-iR$	$-iS$	$-iV$	$+iU$	$-D$	$+E$	$-F$	$-L$	$+M$	$-N$	$+X$	$-Y$	$+Z$
$^\mu iU$	$-iU$	$+iX$	$-iY$	$-iZ$	$+iV$	$-iS$	$-iT$	$+L$	$-M$	$-N$	$-D$	$+E$	$+F$	$+P$	$-Q$	$-R$
$^\mu iV$	$-iV$	$-iD$	$-iE$	$+iF$	$-iU$	$+iT$	$-iS$	$+P$	$+Q$	$-R$	$-X$	$-Y$	$+Z$	$-L$	$-M$	$+N$
$^\mu X$	$-X$	$-U$	$+Z$	$-Y$	$-D$	$-L$	$+P$	$+iS$	$-iN$	$+iM$	$+iV$	$-iF$	$+iE$	$-iT$	$+iR$	$-iQ$
$^\mu Y$	$-Y$	$+Z$	$+U$	$+X$	$+E$	$+M$	$+Q$	$+iN$	$+iS$	$+iL$	$+iF$	$+iV$	$+iD$	$+iR$	$+iT$	$+iP$
$^\mu Z$	$-Z$	$-Y$	$-X$	$+U$	$-F$	$+N$	$-R$	$-iM$	$-iL$	$+iS$	$+iE$	$+iD$	$-iV$	$+iQ$	$+iP$	$-iT$
$^\mu P$	$-P$	$+T$	$-R$	$-Q$	$+L$	$-D$	$-X$	$-iV$	$+iF$	$+iE$	$+iS$	$-iN$	$-iM$	$-iU$	$+iZ$	$+iY$
$^\mu Q$	$-Q$	$-R$	$-T$	$+P$	$-M$	$+E$	$-Y$	$-iF$	$-iV$	$+iD$	$+iN$	$+iS$	$-iL$	$+iZ$	$+iU$	$-iX$
$^\mu R$	$-R$	$+Q$	$+P$	$+T$	$+N$	$+F$	$+Z$	$+iE$	$+iD$	$+iV$	$+iM$	$+iL$	$+iS$	$+iY$	$+iX$	$+iU$
$^\mu D$	$-D$	$+V$	$+F$	$+E$	$+X$	$+P$	$+L$	$+iT$	$+iR$	$+iQ$	$+iU$	$+iZ$	$+iY$	$+iS$	$+iN$	$+iM$
$^\mu E$	$-E$	$-F$	$+V$	$-D$	$-Y$	$-Q$	$+M$	$+iR$	$-iT$	$+iP$	$+iZ$	$-iU$	$+iX$	$-iN$	$+iS$	$-iL$
$^\mu F$	$-F$	$+E$	$-D$	$-V$	$+Z$	$-R$	$-N$	$-iQ$	$+iP$	$+iT$	$+iY$	$-iX$	$-iU$	$-iM$	$+iL$	$+iS$
$^\lambda S$	$-^\nu S$	$+^\nu L$	$+^\nu M$	$+^\nu N$	$+^\nu T$	$+^\nu U$	$+^\nu V$	$+^\nu iX$	$+^\nu iY$	$+^\nu iZ$	$+^\nu iP$	$+^\nu iQ$	$+^\nu iR$	$+^\nu iD$	$+^\nu iE$	$+^\nu iF$
$^\lambda L$	$-^\nu L$	$-^\nu S$	$+^\nu N$	$-^\nu M$	$-^\nu P$	$+^\nu X$	$-^\nu D$	$-^\nu iU$	$+^\nu iZ$	$-^\nu iY$	$+^\nu iT$	$-^\nu iR$	$+^\nu iQ$	$+^\nu iV$	$-^\nu iF$	$+^\nu iE$
$^\lambda M$	$-^\nu M$	$-^\nu N$	$-^\nu S$	$+^\nu L$	$+^\nu Q$	$-^\nu Y$	$-^\nu E$	$+^\nu iZ$	$+^\nu iU$	$-^\nu iX$	$-^\nu iR$	$-^\nu iT$	$+^\nu iP$	$+^\nu iF$	$+^\nu iV$	$-^\nu iD$
$^\lambda N$	$-^\nu N$	$+^\nu M$	$-^\nu L$	$-^\nu S$	$-^\nu R$	$-^\nu Z$	$+^\nu F$	$-^\nu iY$	$+^\nu iX$	$+^\nu iU$	$-^\nu iQ$	$+^\nu iP$	$+^\nu iT$	$+^\nu iE$	$-^\nu iD$	$-^\nu iV$
$^\lambda T$	$-^\nu T$	$-^\nu P$	$+^\nu Q$	$-^\nu R$	$-^\nu S$	$+^\nu V$	$-^\nu U$	$-^\nu iD$	$+^\nu iE$	$-^\nu iF$	$+^\nu iL$	$-^\nu iM$	$+^\nu iN$	$+^\nu iX$	$-^\nu iY$	$+^\nu iZ$
$^\lambda U$	$-^\nu U$	$+^\nu X$	$-^\nu Y$	$-^\nu Z$	$-^\nu V$	$-^\nu S$	$+^\nu T$	$-^\nu iL$	$+^\nu iM$	$+^\nu iN$	$-^\nu iD$	$+^\nu iE$	$+^\nu iF$	$+^\nu iP$	$-^\nu iQ$	$-^\nu iR$
$^\lambda V$	$-^\nu V$	$-^\nu D$	$-^\nu E$	$+^\nu F$	$+^\nu U$	$-^\nu T$	$-^\nu S$	$+^\nu iP$	$+^\nu iQ$	$-^\nu iR$	$-^\nu iX$	$-^\nu iY$	$+^\nu iZ$	$+^\nu iL$	$+^\nu iM$	$-^\nu iN$
$^\lambda iX$	$-^\nu iX$	$-^\nu iU$	$-^\nu iZ$	$+^\nu iY$	$+^\nu iD$	$-^\nu iL$	$-^\nu iP$	$-^\nu S$	$-^\nu N$	$+^\nu M$	$+^\nu V$	$+^\nu F$	$-^\nu E$	$-^\nu T$	$-^\nu R$	$+^\nu Q$
$^\lambda iY$	$-^\nu iY$	$-^\nu iZ$	$+^\nu iU$	$-^\nu iX$	$-^\nu iE$	$+^\nu iM$	$-^\nu iQ$	$+^\nu N$	$-^\nu S$	$+^\nu L$	$-^\nu F$	$+^\nu V$	$-^\nu D$	$-^\nu R$	$+^\nu T$	$-^\nu P$
$^\lambda iZ$	$-^\nu iZ$	$+^\nu iY$	$+^\nu iX$	$+^\nu iU$	$+^\nu iF$	$+^\nu iN$	$+^\nu iR$	$-^\nu M$	$-^\nu L$	$-^\nu S$	$-^\nu E$	$-^\nu D$	$-^\nu V$	$-^\nu Q$	$-^\nu P$	$-^\nu T$
$^\lambda iP$	$-^\nu iP$	$+^\nu iT$	$+^\nu iR$	$+^\nu iQ$	$+^\nu iL$	$+^\nu iD$	$+^\nu iX$	$-^\nu V$	$-^\nu F$	$-^\nu E$	$-^\nu S$	$-^\nu N$	$-^\nu M$	$-^\nu U$	$-^\nu Z$	$-^\nu Y$
$^\lambda iQ$	$-^\nu iQ$	$+^\nu iR$	$-^\nu iT$	$-^\nu iP$	$-^\nu iM$	$-^\nu iE$	$+^\nu iY$	$+^\nu F$	$-^\nu V$	$-^\nu D$	$+^\nu N$	$-^\nu S$	$-^\nu L$	$-^\nu Z$	$+^\nu U$	$+^\nu X$
$^\lambda iR$	$-^\nu iR$	$-^\nu iQ$	$-^\nu iP$	$+^\nu iT$	$+^\nu iN$	$-^\nu iF$	$-^\nu iZ$	$-^\nu E$	$-^\nu D$	$+^\nu V$	$+^\nu M$	$+^\nu L$	$-^\nu S$	$-^\nu Y$	$-^\nu X$	$+^\nu U$
$^\lambda iD$	$-^\nu iD$	$+^\nu iV$	$-^\nu iF$	$-^\nu iE$	$-^\nu iX$	$-^\nu iP$	$+^\nu iL$	$+^\nu T$	$-^\nu R$	$-^\nu Q$	$+^\nu U$	$-^\nu Z$	$-^\nu Y$	$-^\nu S$	$+^\nu N$	$+^\nu M$
$^\lambda iE$	$-^\nu iE$	$+^\nu iF$	$+^\nu iV$	$+^\nu iD$	$+^\nu iY$	$+^\nu iQ$	$+^\nu iM$	$-^\nu R$	$-^\nu T$	$-^\nu P$	$-^\nu Z$	$-^\nu U$	$-^\nu X$	$-^\nu N$	$-^\nu S$	$-^\nu L$
$^\lambda iF$	$-^\nu iF$	$-^\nu iE$	$+^\nu iD$	$-^\nu iV$	$-^\nu iZ$	$+^\nu iR$	$-^\nu iN$	$+^\nu Q$	$-^\nu P$	$+^\nu T$	$-^\nu Y$	$+^\nu X$	$-^\nu U$	$-^\nu M$	$+^\nu L$	$-^\nu S$
$^\lambda iS$	$-^\nu iS$	$+^\nu iL$	$+^\nu iM$	$+^\nu iN$	$+^\nu iT$	$+^\nu iU$	$+^\nu iV$	$-^\nu X$	$-^\nu Y$	$-^\nu Z$	$-^\nu P$	$-^\nu Q$	$-^\nu R$	$-^\nu D$	$-^\nu E$	$-^\nu F$
$^\lambda iL$	$-^\nu iL$	$-^\nu iS$	$+^\nu iN$	$-^\nu iM$	$-^\nu iP$	$+^\nu iX$	$-^\nu iD$	$+^\nu U$	$-^\nu Z$	$+^\nu Y$	$-^\nu T$	$+^\nu R$	$-^\nu Q$	$-^\nu V$	$+^\nu F$	$-^\nu E$
$^\lambda iM$	$-^\nu iM$	$-^\nu iN$	$-^\nu iS$	$+^\nu iL$	$+^\nu iQ$	$-^\nu iY$	$-^\nu iE$	$-^\nu Z$	$-^\nu U$	$+^\nu X$	$+^\nu R$	$+^\nu T$	$-^\nu P$	$-^\nu F$	$-^\nu V$	$+^\nu D$
$^\lambda iN$	$-^\nu iN$	$+^\nu iM$	$-^\nu iL$	$-^\nu iS$	$-^\nu iR$	$-^\nu iZ$	$+^\nu iF$	$+^\nu Y$	$-^\nu X$	$-^\nu U$	$+^\nu Q$	$-^\nu P$	$-^\nu T$	$-^\nu E$	$+^\nu D$	$+^\nu V$
$^\lambda iT$	$-^\nu iT$	$-^\nu iP$	$+^\nu iQ$	$-^\nu iR$	$-^\nu iS$	$+^\nu iV$	$-^\nu iU$	$+^\nu D$	$-^\nu E$	$+^\nu F$	$-^\nu L$	$+^\nu M$	$-^\nu N$	$-^\nu X$	$+^\nu Y$	$-^\nu Z$
$^\lambda iU$	$-^\nu iU$	$+^\nu iX$	$-^\nu iY$	$-^\nu iZ$	$-^\nu iV$	$-^\nu iS$	$+^\nu iT$	$+^\nu L$	$-^\nu M$	$-^\nu N$	$+^\nu D$	$-^\nu E$	$-^\nu F$	$-^\nu P$	$+^\nu Q$	$+^\nu R$
$^\lambda iV$	$-^\nu iV$	$-^\nu iD$	$-^\nu iE$	$+^\nu iF$	$+^\nu iU$	$-^\nu iT$	$-^\nu iS$	$-^\nu P$	$-^\nu Q$	$+^\nu R$	$+^\nu X$	$+^\nu Y$	$-^\nu Z$	$-^\nu L$	$-^\nu M$	$+^\nu N$
$^\lambda X$	$-^\nu X$	$-^\nu U$	$-^\nu Z$	$+^\nu Y$	$+^\nu D$	$-^\nu L$	$-^\nu P$	$+^\nu iS$	$+^\nu iN$	$-^\nu iM$	$-^\nu iV$	$-^\nu iF$	$+^\nu iE$	$+^\nu iT$	$+^\nu iR$	$-^\nu iQ$
$^\lambda Y$	$-^\nu Y$	$-^\nu Z$	$+^\nu U$	$-^\nu X$	$-^\nu E$	$+^\nu M$	$-^\nu Q$	$-^\nu iN$	$+^\nu iS$	$-^\nu iL$	$+^\nu iF$	$-^\nu iV$	$+^\nu iD$	$+^\nu iR$	$-^\nu iT$	$+^\nu iP$
$^\lambda Z$	$-^\nu Z$	$+^\nu Y$	$+^\nu X$	$+^\nu U$	$+^\nu F$	$+^\nu N$	$+^\nu R$	$+^\nu iM$	$+^\nu iL$	$+^\nu iS$	$+^\nu iE$	$+^\nu iD$	$+^\nu iV$	$+^\nu iQ$	$+^\nu iP$	$+^\nu iT$
$^\lambda P$	$-^\nu P$	$+^\nu T$	$+^\nu R$	$+^\nu Q$	$+^\nu L$	$+^\nu D$	$+^\nu X$	$+^\nu iV$	$+^\nu iF$	$+^\nu iE$	$+^\nu iS$	$+^\nu iN$	$+^\nu iM$	$+^\nu iU$	$+^\nu iZ$	$+^\nu iY$
$^\lambda Q$	$-^\nu Q$	$+^\nu R$	$-^\nu T$	$-^\nu P$	$-^\nu M$	$-^\nu E$	$+^\nu Y$	$-^\nu iF$	$+^\nu iV$	$+^\nu iD$	$-^\nu iN$	$+^\nu iS$	$+^\nu iL$	$+^\nu iZ$	$-^\nu iU$	$-^\nu iX$
$^\lambda R$	$-^\nu R$	$-^\nu Q$	$-^\nu P$	$+^\nu T$	$+^\nu N$	$-^\nu F$	$-^\nu Z$	$+^\nu iE$	$+^\nu iD$	$-^\nu iV$	$-^\nu iM$	$-^\nu iL$	$+^\nu iS$	$+^\nu iY$	$+^\nu iX$	$-^\nu iU$
$^\lambda D$	$-^\nu D$	$+^\nu V$	$-^\nu F$	$-^\nu E$	$-^\nu X$	$-^\nu P$	$+^\nu L$	$-^\nu iT$	$+^\nu iR$	$+^\nu iQ$	$-^\nu iU$	$+^\nu iZ$	$+^\nu iY$	$+^\nu iS$	$-^\nu iN$	$-^\nu iM$
$^\lambda E$	$-^\nu E$	$+^\nu F$	$+^\nu V$	$+^\nu D$	$+^\nu Y$	$+^\nu Q$	$+^\nu M$	$+^\nu iR$	$+^\nu iT$	$+^\nu iP$	$+^\nu iZ$	$+^\nu iU$	$+^\nu iX$	$+^\nu iN$	$+^\nu iS$	$+^\nu iL$
$^\lambda F$	$-^\nu F$	$-^\nu E$	$+^\nu D$	$-^\nu V$	$-^\nu Z$	$+^\nu R$	$-^\nu N$	$-^\nu iQ$	$+^\nu iP$	$-^\nu iT$	$+^\nu iY$	$-^\nu iX$	$+^\nu iU$	$+^\nu iM$	$-^\nu iL$	$+^\nu iS$

	$^\mu iS$	$^\mu iL$	$^\mu iM$	$^\mu iN$	$^\mu iT$	$^\mu iU$	$^\mu iV$	$^\mu X$	$^\mu Y$	$^\mu Z$	$^\mu P$	$^\mu Q$	$^\mu R$	$^\mu D$	$^\mu E$	$^\mu F$
$^\mu S$	$+iS$	$-iL$	$-iM$	$-iN$	$-iT$	$-iU$	$-iV$	$-X$	$-Y$	$-Z$	$-P$	$-Q$	$-R$	$-D$	$-E$	$-F$
$^\mu L$	$+iL$	$+iS$	$+iN$	$-iM$	$+iP$	$-iX$	$+iD$	$+U$	$+Z$	$-Y$	$-T$	$-R$	$+Q$	$-V$	$-F$	$+E$
$^\mu M$	$+iM$	$-iN$	$+iS$	$+iL$	$-iQ$	$+iY$	$+iE$	$+Z$	$-U$	$-X$	$-R$	$+T$	$+P$	$+F$	$-V$	$-D$
$^\mu N$	$+iN$	$+iM$	$-iL$	$+iS$	$+iR$	$+iZ$	$-iF$	$-Y$	$+X$	$-U$	$-Q$	$+P$	$-T$	$+E$	$-D$	$+V$
$^\mu T$	$+iT$	$+iP$	$-iQ$	$+iR$	$+iS$	$+iV$	$-iU$	$-D$	$+E$	$-F$	$-L$	$+M$	$-N$	$+X$	$-Y$	$+Z$
$^\mu U$	$+iU$	$-iX$	$+iY$	$+iZ$	$-iV$	$+iS$	$+iT$	$+L$	$-M$	$-N$	$-D$	$+E$	$+F$	$+P$	$-Q$	$-R$
$^\mu V$	$+iV$	$+iD$	$+iE$	$-iF$	$+iU$	$-iT$	$+iS$	$+P$	$+Q$	$-R$	$-X$	$-Y$	$+Z$	$-L$	$-M$	$+N$
$^\mu iX$	$-X$	$-U$	$+Z$	$-Y$	$-D$	$-L$	$+P$	$-iS$	$+iN$	$-iM$	$-iV$	$+iF$	$-iE$	$+iT$	$-iR$	$+iQ$
$^\mu iY$	$-Y$	$+Z$	$+U$	$+X$	$+E$	$+M$	$+Q$	$-iN$	$-iS$	$-iL$	$-iF$	$-iV$	$-iD$	$-iR$	$-iT$	$-iP$
$^\mu iZ$	$-Z$	$-Y$	$-X$	$+U$	$-F$	$+N$	$-R$	$+iM$	$+iL$	$-iS$	$-iE$	$-iD$	$+iV$	$-iQ$	$-iP$	$+iT$
$^\mu iP$	$-P$	$+T$	$-R$	$-Q$	$+L$	$-D$	$-X$	$+iV$	$-iF$	$-iE$	$-iS$	$+iN$	$+iM$	$+iU$	$-iZ$	$-iY$
$^\mu iQ$	$-Q$	$-R$	$-T$	$+P$	$-M$	$+E$	$-Y$	$+iF$	$+iV$	$-iD$	$-iN$	$-iS$	$+iL$	$-iZ$	$-iU$	$+iX$
$^\mu iR$	$-R$	$+Q$	$+P$	$+T$	$+N$	$+F$	$+Z$	$-iE$	$-iD$	$-iV$	$-iM$	$-iL$	$-iS$	$-iY$	$-iX$	$-iU$
$^\mu iD$	$-D$	$+V$	$+F$	$+E$	$+X$	$+P$	$+L$	$-iT$	$-iR$	$-iQ$	$-iU$	$-iZ$	$-iY$	$-iS$	$-iN$	$-iM$
$^\mu iE$	$-E$	$-F$	$+V$	$-D$	$-Y$	$-Q$	$+M$	$-iR$	$+iT$	$-iP$	$-iZ$	$+iU$	$-iX$	$+iN$	$-iS$	$+iL$
$^\mu iF$	$-F$	$+E$	$-D$	$-V$	$+Z$	$-R$	$-N$	$+iQ$	$-iP$	$-iT$	$-iY$	$+iX$	$+iU$	$+iM$	$-iL$	$-iS$
$^\mu iS$	$-S$	$+L$	$+M$	$+N$	$+T$	$+U$	$+V$	$-iX$	$-iY$	$-iZ$	$-iP$	$-iQ$	$-iR$	$-iD$	$-iE$	$-iF$
$^\mu iL$	$-L$	$-S$	$-N$	$+M$	$-P$	$+X$	$-D$	$+iU$	$+iZ$	$-iY$	$-iT$	$-iR$	$+iQ$	$-iV$	$-iF$	$+iE$
$^\mu iM$	$-M$	$+N$	$-S$	$-L$	$+Q$	$-Y$	$-E$	$+iZ$	$-iU$	$-iX$	$-iR$	$+iT$	$+iP$	$+iF$	$-iV$	$-iD$
$^\mu iN$	$-N$	$-M$	$+L$	$-S$	$-R$	$-Z$	$+F$	$-iY$	$+iX$	$-iU$	$-iQ$	$+iP$	$-iT$	$+iE$	$-iD$	$+iV$
$^\mu iT$	$-T$	$-P$	$+Q$	$-R$	$-S$	$-V$	$+U$	$-iD$	$+iE$	$-iF$	$-iL$	$+iM$	$-iN$	$+iX$	$-iY$	$+iZ$
$^\mu iU$	$-U$	$+X$	$-Y$	$-Z$	$+V$	$-S$	$-T$	$+iL$	$-iM$	$-iN$	$-iD$	$+iE$	$+iF$	$+iP$	$-iQ$	$-iR$
$^\mu iV$	$-V$	$-D$	$-E$	$+F$	$-U$	$+T$	$-S$	$+iP$	$+iQ$	$-iR$	$-iX$	$-iY$	$+iZ$	$-iL$	$-iM$	$+iN$
$^\mu X$	$+iX$	$+iU$	$-iZ$	$+iY$	$+iD$	$+iL$	$-iP$	$-S$	$+N$	$-M$	$-V$	$+F$	$-E$	$+T$	$-R$	$+Q$
$^\mu Y$	$+iY$	$-iZ$	$-iU$	$-iX$	$-iE$	$-iM$	$-iQ$	$-N$	$-S$	$-L$	$-F$	$-V$	$-D$	$-R$	$-T$	$-P$
$^\mu Z$	$+iZ$	$+iY$	$+iX$	$-iU$	$+iF$	$-iN$	$+iR$	$+M$	$+L$	$-S$	$-E$	$-D$	$+V$	$-Q$	$-P$	$+T$
$^\mu P$	$+iP$	$-iT$	$+iR$	$+iQ$	$-iL$	$+iD$	$+iX$	$+V$	$-F$	$-E$	$-S$	$+N$	$+M$	$+U$	$-Z$	$-Y$
$^\mu Q$	$+iQ$	$+iR$	$+iT$	$-iP$	$+iM$	$-iE$	$+iY$	$+F$	$+V$	$-D$	$-N$	$-S$	$+L$	$-Z$	$-U$	$+X$
$^\mu R$	$+iR$	$-iQ$	$-iP$	$-iT$	$-iN$	$-iF$	$-iZ$	$-E$	$-D$	$-V$	$-M$	$-L$	$-S$	$-Y$	$-X$	$-U$
$^\mu D$	$+iD$	$-iV$	$-iF$	$-iE$	$-iX$	$-iP$	$-iL$	$-T$	$-R$	$-Q$	$-U$	$-Z$	$-Y$	$-S$	$-N$	$-M$
$^\mu E$	$+iE$	$+iF$	$-iV$	$+iD$	$+iY$	$+iQ$	$-iM$	$-R$	$+T$	$-P$	$-Z$	$+U$	$-X$	$+N$	$-S$	$+L$
$^\mu F$	$+iF$	$-iE$	$+iD$	$+iV$	$-iZ$	$+iR$	$+iN$	$+Q$	$-P$	$-T$	$-Y$	$+X$	$+U$	$+M$	$-L$	$-S$
$^\lambda S$	$+^\nu iS$	$-^\nu iL$	$-^\nu iM$	$-^\nu iN$	$-^\nu iT$	$-^\nu iU$	$-^\nu iV$	$-^\nu X$	$-^\nu Y$	$-^\nu Z$	$-^\nu P$	$-^\nu Q$	$-^\nu R$	$-^\nu D$	$-^\nu E$	$-^\nu F$
$^\lambda L$	$+^\nu iL$	$+^\nu iS$	$-^\nu iN$	$+^\nu iM$	$+^\nu iP$	$-^\nu iX$	$+^\nu iD$	$+^\nu U$	$-^\nu Z$	$+^\nu Y$	$-^\nu T$	$+^\nu R$	$-^\nu Q$	$-^\nu V$	$+^\nu F$	$-^\nu E$
$^\lambda M$	$+^\nu iM$	$+^\nu iN$	$+^\nu iS$	$-^\nu iL$	$-^\nu iQ$	$+^\nu iY$	$+^\nu iE$	$-^\nu Z$	$-^\nu U$	$+^\nu X$	$+^\nu R$	$+^\nu T$	$-^\nu P$	$-^\nu F$	$-^\nu V$	$+^\nu D$
$^\lambda N$	$+^\nu iN$	$-^\nu iM$	$+^\nu iL$	$+^\nu iS$	$+^\nu iR$	$+^\nu iZ$	$-^\nu iF$	$+^\nu Y$	$-^\nu X$	$-^\nu U$	$+^\nu Q$	$-^\nu P$	$-^\nu T$	$-^\nu E$	$+^\nu D$	$+^\nu V$
$^\lambda T$	$+^\nu iT$	$+^\nu iP$	$-^\nu iQ$	$+^\nu iR$	$+^\nu iS$	$-^\nu iV$	$+^\nu iU$	$+^\nu D$	$-^\nu E$	$+^\nu F$	$-^\nu L$	$+^\nu M$	$-^\nu N$	$-^\nu X$	$+^\nu Y$	$-^\nu Z$
$^\lambda U$	$+^\nu iU$	$-^\nu iX$	$+^\nu iY$	$+^\nu iZ$	$+^\nu iV$	$+^\nu iS$	$-^\nu iT$	$+^\nu L$	$-^\nu M$	$-^\nu N$	$+^\nu D$	$-^\nu E$	$-^\nu F$	$-^\nu P$	$+^\nu Q$	$+^\nu R$
$^\lambda V$	$+^\nu iV$	$+^\nu iD$	$+^\nu iE$	$-^\nu iF$	$-^\nu iU$	$+^\nu iT$	$+^\nu iS$	$-^\nu P$	$-^\nu Q$	$+^\nu R$	$+^\nu X$	$+^\nu Y$	$-^\nu Z$	$-^\nu L$	$-^\nu M$	$+^\nu N$
$^\lambda iX$	$-^\nu X$	$-^\nu U$	$-^\nu Z$	$+^\nu Y$	$+^\nu D$	$-^\nu L$	$-^\nu P$	$-^\nu iS$	$-^\nu iN$	$+^\nu iM$	$+^\nu iV$	$+^\nu iF$	$-^\nu iE$	$-^\nu iT$	$-^\nu iR$	$+^\nu iQ$
$^\lambda iY$	$-^\nu Y$	$-^\nu Z$	$+^\nu U$	$-^\nu X$	$-^\nu E$	$+^\nu M$	$-^\nu Q$	$+^\nu iN$	$-^\nu iS$	$+^\nu iL$	$-^\nu iF$	$+^\nu iV$	$-^\nu iD$	$-^\nu iR$	$+^\nu iT$	$-^\nu iP$
$^\lambda iZ$	$-^\nu Z$	$+^\nu Y$	$+^\nu X$	$+^\nu U$	$+^\nu F$	$+^\nu N$	$+^\nu R$	$-^\nu iM$	$-^\nu iL$	$-^\nu iS$	$-^\nu iE$	$-^\nu iD$	$-^\nu iV$	$-^\nu iQ$	$-^\nu iP$	$-^\nu iT$
$^\lambda iP$	$-^\nu P$	$+^\nu T$	$+^\nu R$	$+^\nu Q$	$+^\nu L$	$+^\nu D$	$+^\nu X$	$-^\nu iV$	$-^\nu iF$	$-^\nu iE$	$-^\nu iS$	$-^\nu iN$	$-^\nu iM$	$-^\nu iU$	$-^\nu iZ$	$-^\nu iY$
$^\lambda iQ$	$-^\nu Q$	$+^\nu R$	$-^\nu T$	$-^\nu P$	$-^\nu M$	$-^\nu E$	$+^\nu Y$	$+^\nu iF$	$-^\nu iV$	$-^\nu iD$	$+^\nu iN$	$-^\nu iS$	$-^\nu iL$	$-^\nu iZ$	$+^\nu iU$	$+^\nu iX$
$^\lambda iR$	$-^\nu R$	$-^\nu Q$	$-^\nu P$	$+^\nu T$	$+^\nu N$	$-^\nu F$	$-^\nu Z$	$-^\nu iE$	$-^\nu iD$	$+^\nu iV$	$+^\nu iM$	$+^\nu iL$	$-^\nu iS$	$-^\nu iY$	$-^\nu iX$	$+^\nu iU$
$^\lambda iD$	$-^\nu D$	$+^\nu V$	$-^\nu F$	$-^\nu E$	$-^\nu X$	$-^\nu P$	$+^\nu L$	$+^\nu iT$	$-^\nu iR$	$-^\nu iQ$	$+^\nu iU$	$-^\nu iZ$	$-^\nu iY$	$-^\nu iS$	$+^\nu iN$	$+^\nu iM$
$^\lambda iE$	$-^\nu E$	$+^\nu F$	$+^\nu V$	$+^\nu D$	$+^\nu Y$	$+^\nu Q$	$+^\nu M$	$-^\nu iR$	$-^\nu iT$	$-^\nu iP$	$-^\nu iZ$	$-^\nu iU$	$-^\nu iX$	$-^\nu iN$	$-^\nu iS$	$-^\nu iL$
$^\lambda iF$	$-^\nu F$	$-^\nu E$	$+^\nu D$	$-^\nu V$	$-^\nu Z$	$+^\nu R$	$-^\nu N$	$+^\nu iQ$	$-^\nu iP$	$+^\nu iT$	$-^\nu iY$	$+^\nu iX$	$-^\nu iU$	$-^\nu iM$	$+^\nu iL$	$-^\nu iS$
$^\lambda iS$	$-^\nu S$	$+^\nu L$	$+^\nu M$	$+^\nu N$	$+^\nu T$	$+^\nu U$	$+^\nu V$	$-^\nu iX$	$-^\nu iY$	$-^\nu iZ$	$-^\nu iP$	$-^\nu iQ$	$-^\nu iR$	$-^\nu iD$	$-^\nu iE$	$-^\nu iF$
$^\lambda iL$	$-^\nu L$	$-^\nu S$	$+^\nu N$	$-^\nu M$	$-^\nu P$	$+^\nu X$	$-^\nu D$	$+^\nu iU$	$-^\nu iZ$	$+^\nu iY$	$-^\nu iT$	$+^\nu iR$	$-^\nu iQ$	$-^\nu iV$	$+^\nu iF$	$-^\nu iE$
$^\lambda iM$	$-^\nu M$	$-^\nu N$	$-^\nu S$	$+^\nu L$	$+^\nu Q$	$-^\nu Y$	$-^\nu E$	$-^\nu iZ$	$-^\nu iU$	$+^\nu iX$	$+^\nu iR$	$+^\nu iT$	$-^\nu iP$	$-^\nu iF$	$-^\nu iV$	$+^\nu iD$
$^\lambda iN$	$-^\nu N$	$+^\nu M$	$-^\nu L$	$-^\nu S$	$-^\nu R$	$-^\nu Z$	$+^\nu F$	$+^\nu iY$	$-^\nu iX$	$-^\nu iU$	$+^\nu iQ$	$-^\nu iP$	$-^\nu iT$	$-^\nu iE$	$+^\nu iD$	$+^\nu iV$
$^\lambda iT$	$-^\nu T$	$-^\nu P$	$+^\nu Q$	$-^\nu R$	$-^\nu S$	$+^\nu V$	$-^\nu U$	$+^\nu iD$	$-^\nu iE$	$+^\nu iF$	$-^\nu iL$	$+^\nu iM$	$-^\nu iN$	$-^\nu iX$	$+^\nu iY$	$-^\nu iZ$
$^\lambda iU$	$-^\nu U$	$+^\nu X$	$-^\nu Y$	$-^\nu Z$	$-^\nu V$	$-^\nu S$	$+^\nu T$	$+^\nu iL$	$-^\nu iM$	$-^\nu iN$	$+^\nu iD$	$-^\nu iE$	$-^\nu iF$	$-^\nu iP$	$+^\nu iQ$	$+^\nu iR$
$^\lambda iV$	$-^\nu V$	$-^\nu D$	$-^\nu E$	$+^\nu F$	$+^\nu U$	$-^\nu T$	$-^\nu S$	$-^\nu iP$	$-^\nu iQ$	$+^\nu iR$	$+^\nu iX$	$+^\nu iY$	$-^\nu iZ$	$-^\nu iL$	$-^\nu iM$	$+^\nu iN$
$^\lambda X$	$+^\nu iX$	$+^\nu iU$	$+^\nu iZ$	$-^\nu iY$	$-^\nu iD$	$+^\nu iL$	$+^\nu iP$	$-^\nu S$	$-^\nu N$	$+^\nu M$	$+^\nu V$	$+^\nu F$	$-^\nu E$	$-^\nu T$	$-^\nu R$	$+^\nu Q$
$^\lambda Y$	$+^\nu iY$	$+^\nu iZ$	$-^\nu iU$	$+^\nu iX$	$+^\nu iE$	$-^\nu iM$	$+^\nu iQ$	$+^\nu N$	$-^\nu S$	$+^\nu L$	$-^\nu F$	$+^\nu V$	$-^\nu D$	$-^\nu R$	$+^\nu T$	$-^\nu P$
$^\lambda Z$	$+^\nu iZ$	$-^\nu iY$	$-^\nu iX$	$-^\nu iU$	$-^\nu iF$	$-^\nu iN$	$-^\nu iR$	$-^\nu M$	$-^\nu L$	$-^\nu S$	$-^\nu E$	$-^\nu D$	$-^\nu V$	$-^\nu Q$	$-^\nu P$	$-^\nu T$
$^\lambda P$	$+^\nu iP$	$-^\nu iT$	$-^\nu iR$	$-^\nu iQ$	$-^\nu iL$	$-^\nu iD$	$-^\nu iX$	$-^\nu V$	$-^\nu F$	$-^\nu E$	$-^\nu S$	$-^\nu N$	$-^\nu M$	$-^\nu U$	$-^\nu Z$	$-^\nu Y$
$^\lambda Q$	$+^\nu iQ$	$-^\nu iR$	$+^\nu iT$	$+^\nu iP$	$+^\nu iM$	$+^\nu iE$	$-^\nu iY$	$+^\nu F$	$-^\nu V$	$-^\nu D$	$+^\nu N$	$-^\nu S$	$-^\nu L$	$-^\nu Z$	$+^\nu U$	$+^\nu X$
$^\lambda R$	$+^\nu iR$	$+^\nu iQ$	$+^\nu iP$	$-^\nu iT$	$-^\nu iN$	$+^\nu iF$	$+^\nu iZ$	$-^\nu E$	$-^\nu D$	$+^\nu V$	$+^\nu M$	$+^\nu L$	$-^\nu S$	$-^\nu Y$	$-^\nu X$	$+^\nu U$
$^\lambda D$	$+^\nu iD$	$-^\nu iV$	$+^\nu iF$	$+^\nu iE$	$+^\nu iX$	$+^\nu iP$	$-^\nu iL$	$+^\nu T$	$-^\nu R$	$-^\nu Q$	$+^\nu U$	$-^\nu Z$	$-^\nu Y$	$-^\nu S$	$+^\nu N$	$+^\nu M$
$^\lambda E$	$+^\nu iE$	$-^\nu iF$	$-^\nu iV$	$-^\nu iD$	$-^\nu iY$	$-^\nu iQ$	$-^\nu iM$	$-^\nu R$	$-^\nu T$	$-^\nu P$	$-^\nu Z$	$-^\nu U$	$-^\nu X$	$-^\nu N$	$-^\nu S$	$-^\nu L$
$^\lambda F$	$+^\nu iF$	$+^\nu iE$	$-^\nu iD$	$+^\nu iV$	$+^\nu iZ$	$-^\nu iR$	$+^\nu iN$	$+^\nu Q$	$-^\nu P$	$+^\nu T$	$-^\nu Y$	$+^\nu X$	$-^\nu U$	$-^\nu M$	$+^\nu L$	$-^\nu S$

TABLE 9. Kaotic Algebra multiplication table, part D1

	$^{\lambda}S$	$^{\lambda}L$	$^{\lambda}M$	$^{\lambda}N$	$^{\lambda}T$	$^{\lambda}U$	$^{\lambda}V$	$^{\lambda}iX$	$^{\lambda}iY$	$^{\lambda}iZ$	$^{\lambda}iP$	$^{\lambda}iQ$	$^{\lambda}iR$	$^{\lambda}iD$	$^{\lambda}iE$	$^{\lambda}iF$	$^{\lambda}iS$	$^{\lambda}iL$	$^{\lambda}iM$	$^{\lambda}iN$	$^{\lambda}iT$	$^{\lambda}iU$	$^{\lambda}iV$	$^{\lambda}X$	$^{\lambda}Y$	$^{\lambda}Z$	$^{\lambda}P$	$^{\lambda}Q$	$^{\lambda}R$	$^{\lambda}D$	$^{\lambda}E$	$^{\lambda}F$
S	$+^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}M$	$+^{\lambda}N$	$+^{\lambda}T$	$+^{\lambda}U$	$+^{\lambda}V$	$+^{\lambda}iX$	$+^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iM$	$+^{\lambda}iN$	$+^{\lambda}iT$	$+^{\lambda}iU$	$+^{\lambda}iV$	$+^{\lambda}X$	$+^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}P$	$+^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}D$	$+^{\lambda}E$	$+^{\lambda}F$
L	$-^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}N$	$-^{\lambda}M$	$+^{\lambda}P$	$-^{\lambda}X$	$+^{\lambda}D$	$+^{\lambda}iU$	$+^{\lambda}iZ$	$-^{\lambda}iY$	$-^{\lambda}iT$	$-^{\lambda}iR$	$+^{\lambda}iQ$	$-^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$+^{\lambda}iP$	$-^{\lambda}iX$	$+^{\lambda}iD$	$+^{\lambda}U$	$+^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}T$	$-^{\lambda}R$	$+^{\lambda}Q$	$-^{\lambda}V$	$-^{\lambda}F$	$+^{\lambda}E$
M	$-^{\lambda}M$	$-^{\lambda}N$	$+^{\lambda}S$	$+^{\lambda}L$	$-^{\lambda}Q$	$+^{\lambda}Y$	$+^{\lambda}E$	$+^{\lambda}iZ$	$-^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iR$	$+^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iF$	$-^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iM$	$-^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$	$-^{\lambda}iQ$	$+^{\lambda}iY$	$+^{\lambda}iE$	$+^{\lambda}Z$	$-^{\lambda}U$	$-^{\lambda}X$	$-^{\lambda}R$	$+^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}F$	$-^{\lambda}V$	$-^{\lambda}D$
N	$-^{\lambda}N$	$+^{\lambda}M$	$-^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}R$	$+^{\lambda}Z$	$-^{\lambda}F$	$-^{\lambda}iY$	$+^{\lambda}iX$	$-^{\lambda}iU$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$-^{\lambda}iT$	$+^{\lambda}iE$	$-^{\lambda}iD$	$+^{\lambda}iV$	$-^{\lambda}iN$	$+^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iR$	$+^{\lambda}iZ$	$-^{\lambda}iF$	$-^{\lambda}Y$	$+^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}Q$	$+^{\lambda}P$	$-^{\lambda}T$	$+^{\lambda}E$	$-^{\lambda}D$	$+^{\lambda}V$
T	$-^{\lambda}T$	$+^{\lambda}P$	$-^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}S$	$+^{\lambda}V$	$-^{\lambda}U$	$-^{\lambda}iD$	$+^{\lambda}iE$	$-^{\lambda}iF$	$-^{\lambda}iL$	$+^{\lambda}iM$	$-^{\lambda}iN$	$+^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$	$-^{\lambda}iT$	$+^{\lambda}iP$	$-^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iS$	$+^{\lambda}iV$	$-^{\lambda}iU$	$-^{\lambda}D$	$+^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}L$	$+^{\lambda}M$	$-^{\lambda}N$	$+^{\lambda}X$	$-^{\lambda}Y$	$+^{\lambda}Z$
U	$-^{\lambda}U$	$-^{\lambda}X$	$+^{\lambda}Y$	$+^{\lambda}Z$	$-^{\lambda}V$	$+^{\lambda}S$	$+^{\lambda}T$	$+^{\lambda}iL$	$-^{\lambda}iM$	$-^{\lambda}iN$	$-^{\lambda}iD$	$+^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iP$	$-^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iU$	$-^{\lambda}iX$	$+^{\lambda}iY$	$+^{\lambda}iZ$	$-^{\lambda}iV$	$+^{\lambda}iS$	$+^{\lambda}iT$	$+^{\lambda}L$	$-^{\lambda}M$	$-^{\lambda}N$	$-^{\lambda}D$	$+^{\lambda}E$	$+^{\lambda}F$	$+^{\lambda}P$	$-^{\lambda}Q$	$-^{\lambda}R$
V	$-^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}E$	$-^{\lambda}F$	$+^{\lambda}U$	$-^{\lambda}T$	$+^{\lambda}S$	$+^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iX$	$-^{\lambda}iY$	$+^{\lambda}iZ$	$-^{\lambda}iL$	$-^{\lambda}iM$	$+^{\lambda}iN$	$-^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iE$	$-^{\lambda}iF$	$+^{\lambda}iU$	$-^{\lambda}iT$	$+^{\lambda}iS$	$+^{\lambda}P$	$+^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}X$	$-^{\lambda}Y$	$+^{\lambda}Z$	$-^{\lambda}L$	$-^{\lambda}M$	$+^{\lambda}N$
iX	$-^{\lambda}iX$	$+^{\lambda}iU$	$-^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iD$	$+^{\lambda}iL$	$-^{\lambda}iP$	$+^{\lambda}S$	$-^{\lambda}N$	$+^{\lambda}M$	$+^{\lambda}V$	$-^{\lambda}F$	$+^{\lambda}E$	$-^{\lambda}T$	$+^{\lambda}R$	$-^{\lambda}Q$	$+^{\lambda}X$	$-^{\lambda}U$	$+^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}D$	$-^{\lambda}L$	$+^{\lambda}P$	$-^{\lambda}iS$	$+^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iV$	$+^{\lambda}iF$	$-^{\lambda}iE$	$+^{\lambda}iT$	$-^{\lambda}iR$	$+^{\lambda}iQ$
iY	$-^{\lambda}iY$	$-^{\lambda}iZ$	$-^{\lambda}iU$	$-^{\lambda}iX$	$-^{\lambda}iE$	$-^{\lambda}iM$	$-^{\lambda}iQ$	$+^{\lambda}N$	$+^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}F$	$+^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}R$	$+^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}U$	$+^{\lambda}X$	$+^{\lambda}E$	$+^{\lambda}M$	$+^{\lambda}Q$	$-^{\lambda}iN$	$-^{\lambda}iS$	$-^{\lambda}iL$	$-^{\lambda}iF$	$-^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iR$	$-^{\lambda}iT$	$-^{\lambda}iP$
iZ	$-^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iX$	$-^{\lambda}iU$	$+^{\lambda}iF$	$-^{\lambda}iN$	$+^{\lambda}iR$	$-^{\lambda}M$	$-^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}E$	$+^{\lambda}D$	$-^{\lambda}V$	$+^{\lambda}Q$	$+^{\lambda}P$	$-^{\lambda}T$	$+^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}X$	$+^{\lambda}U$	$-^{\lambda}F$	$+^{\lambda}N$	$-^{\lambda}R$	$+^{\lambda}iM$	$+^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iE$	$-^{\lambda}iD$	$+^{\lambda}iV$	$-^{\lambda}iQ$	$-^{\lambda}iP$	$+^{\lambda}iT$
iP	$-^{\lambda}iP$	$-^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$-^{\lambda}iL$	$+^{\lambda}iD$	$+^{\lambda}iX$	$-^{\lambda}V$	$+^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}S$	$-^{\lambda}N$	$-^{\lambda}M$	$-^{\lambda}U$	$+^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}P$	$+^{\lambda}T$	$-^{\lambda}R$	$-^{\lambda}Q$	$+^{\lambda}L$	$-^{\lambda}D$	$-^{\lambda}X$	$+^{\lambda}iV$	$-^{\lambda}iF$	$-^{\lambda}iE$	$-^{\lambda}iS$	$+^{\lambda}iN$	$+^{\lambda}iM$	$+^{\lambda}iU$	$-^{\lambda}iZ$	$-^{\lambda}iY$
iQ	$-^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iT$	$-^{\lambda}iP$	$+^{\lambda}iM$	$-^{\lambda}iE$	$+^{\lambda}iY$	$-^{\lambda}F$	$-^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}N$	$+^{\lambda}S$	$-^{\lambda}L$	$+^{\lambda}Z$	$+^{\lambda}U$	$-^{\lambda}X$	$+^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}T$	$+^{\lambda}P$	$-^{\lambda}M$	$+^{\lambda}E$	$-^{\lambda}Y$	$+^{\lambda}iF$	$+^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iN$	$-^{\lambda}iS$	$+^{\lambda}iL$	$-^{\lambda}iZ$	$-^{\lambda}iU$	$+^{\lambda}iX$
iR	$-^{\lambda}iR$	$-^{\lambda}iQ$	$-^{\lambda}iP$	$-^{\lambda}iT$	$-^{\lambda}iN$	$-^{\lambda}iF$	$-^{\lambda}iZ$	$+^{\lambda}E$	$+^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}M$	$+^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}Y$	$+^{\lambda}X$	$+^{\lambda}U$	$+^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}N$	$+^{\lambda}F$	$+^{\lambda}Z$	$-^{\lambda}iE$	$-^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iM$	$-^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iY$	$-^{\lambda}iX$	$-^{\lambda}iU$
iD	$-^{\lambda}iD$	$-^{\lambda}iV$	$-^{\lambda}iF$	$-^{\lambda}iE$	$-^{\lambda}iX$	$-^{\lambda}iP$	$-^{\lambda}iL$	$+^{\lambda}T$	$+^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}U$	$+^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}S$	$+^{\lambda}N$	$+^{\lambda}M$	$+^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}X$	$+^{\lambda}P$	$+^{\lambda}L$	$-^{\lambda}iT$	$-^{\lambda}iR$	$-^{\lambda}iQ$	$-^{\lambda}iU$	$-^{\lambda}iZ$	$-^{\lambda}iY$	$-^{\lambda}iS$	$-^{\lambda}iN$	$-^{\lambda}iM$
iE	$-^{\lambda}iE$	$+^{\lambda}iF$	$-^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iY$	$+^{\lambda}iQ$	$-^{\lambda}iM$	$+^{\lambda}R$	$-^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}Z$	$-^{\lambda}U$	$+^{\lambda}X$	$-^{\lambda}N$	$+^{\lambda}S$	$-^{\lambda}L$	$+^{\lambda}E$	$-^{\lambda}F$	$+^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}Y$	$-^{\lambda}Q$	$+^{\lambda}M$	$-^{\lambda}iR$	$+^{\lambda}iT$	$-^{\lambda}iP$	$-^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$+^{\lambda}iN$	$-^{\lambda}iS$	$+^{\lambda}iL$
iF	$-^{\lambda}iF$	$-^{\lambda}iE$	$+^{\lambda}iD$	$+^{\lambda}iV$	$-^{\lambda}iZ$	$+^{\lambda}iR$	$+^{\lambda}iN$	$-^{\lambda}Q$	$+^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}Y$	$-^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}M$	$+^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}F$	$+^{\lambda}E$	$-^{\lambda}D$	$-^{\lambda}V$	$+^{\lambda}Z$	$-^{\lambda}R$	$-^{\lambda}N$	$+^{\lambda}iQ$	$-^{\lambda}iP$	$-^{\lambda}iT$	$-^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iM$	$-^{\lambda}iL$	$-^{\lambda}iS$
iS	$-^{\lambda}iS$	$-^{\lambda}iL$	$-^{\lambda}iM$	$-^{\lambda}iN$	$-^{\lambda}iT$	$-^{\lambda}iU$	$-^{\lambda}iV$	$+^{\lambda}X$	$+^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}P$	$+^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}D$	$+^{\lambda}E$	$+^{\lambda}F$	$+^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}M$	$+^{\lambda}N$	$+^{\lambda}T$	$+^{\lambda}U$	$+^{\lambda}V$	$-^{\lambda}iX$	$-^{\lambda}iY$	$-^{\lambda}iZ$	$-^{\lambda}iP$	$-^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iD$	$-^{\lambda}iE$	$-^{\lambda}iF$
iL	$+^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iN$	$+^{\lambda}iM$	$-^{\lambda}iP$	$+^{\lambda}iX$	$-^{\lambda}iD$	$+^{\lambda}U$	$+^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}T$	$-^{\lambda}R$	$+^{\lambda}Q$	$-^{\lambda}V$	$-^{\lambda}F$	$+^{\lambda}E$	$-^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}N$	$-^{\lambda}M$	$+^{\lambda}P$	$-^{\lambda}X$	$+^{\lambda}D$	$-^{\lambda}iU$	$-^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iT$	$+^{\lambda}iR$	$-^{\lambda}iQ$	$+^{\lambda}iV$	$+^{\lambda}iF$	$-^{\lambda}iE$
iM	$+^{\lambda}iM$	$+^{\lambda}iN$	$-^{\lambda}iS$	$-^{\lambda}iL$	$+^{\lambda}iQ$	$-^{\lambda}iY$	$-^{\lambda}iE$	$+^{\lambda}Z$	$-^{\lambda}U$	$-^{\lambda}X$	$-^{\lambda}R$	$+^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}F$	$-^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}M$	$-^{\lambda}N$	$+^{\lambda}S$	$+^{\lambda}L$	$-^{\lambda}Q$	$+^{\lambda}Y$	$+^{\lambda}E$	$-^{\lambda}iZ$	$+^{\lambda}iU$	$+^{\lambda}iX$	$+^{\lambda}iR$	$-^{\lambda}iT$	$-^{\lambda}iP$	$-^{\lambda}iF$	$+^{\lambda}iV$	$+^{\lambda}iD$
iN	$+^{\lambda}iN$	$-^{\lambda}iM$	$+^{\lambda}iL$	$-^{\lambda}iS$	$-^{\lambda}iR$	$-^{\lambda}iZ$	$+^{\lambda}iF$	$-^{\lambda}Y$	$+^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}Q$	$+^{\lambda}P$	$-^{\lambda}T$	$+^{\lambda}E$	$-^{\lambda}D$	$+^{\lambda}V$	$-^{\lambda}N$	$+^{\lambda}M$	$-^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}R$	$+^{\lambda}Z$	$-^{\lambda}F$	$+^{\lambda}iY$	$-^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iQ$	$-^{\lambda}iP$	$+^{\lambda}iT$	$-^{\lambda}iE$	$+^{\lambda}iD$	$-^{\lambda}iV$
iT	$+^{\lambda}iT$	$-^{\lambda}iP$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iS$	$-^{\lambda}iV$	$+^{\lambda}iU$	$-^{\lambda}D$	$+^{\lambda}E$	$-^{\lambda}F$	$-^{\lambda}L$	$+^{\lambda}M$	$-^{\lambda}N$	$+^{\lambda}X$	$-^{\lambda}Y$	$+^{\lambda}Z$	$-^{\lambda}T$	$+^{\lambda}P$	$-^{\lambda}Q$	$+^{\lambda}R$	$+^{\lambda}S$	$+^{\lambda}V$	$-^{\lambda}U$	$+^{\lambda}iD$	$-^{\lambda}iE$	$+^{\lambda}iF$	$+^{\lambda}iL$	$-^{\lambda}iM$	$+^{\lambda}iN$	$-^{\lambda}iX$	$+^{\lambda}iY$	$-^{\lambda}iZ$
iU	$+^{\lambda}iU$	$+^{\lambda}iX$	$-^{\lambda}iY$	$-^{\lambda}iZ$	$+^{\lambda}iV$	$-^{\lambda}iS$	$-^{\lambda}iT$	$+^{\lambda}L$	$-^{\lambda}M$	$-^{\lambda}N$	$-^{\lambda}D$	$+^{\lambda}E$	$+^{\lambda}F$	$+^{\lambda}P$	$-^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}U$	$-^{\lambda}X$	$+^{\lambda}Y$	$+^{\lambda}Z$	$-^{\lambda}V$	$+^{\lambda}S$	$+^{\lambda}T$	$-^{\lambda}iL$	$+^{\lambda}iM$	$+^{\lambda}iN$	$+^{\lambda}iD$	$-^{\lambda}iE$	$-^{\lambda}iF$	$-^{\lambda}iP$	$+^{\lambda}iQ$	$+^{\lambda}iR$
iV	$+^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iE$	$+^{\lambda}iF$	$-^{\lambda}iU$	$+^{\lambda}iT$	$-^{\lambda}iS$	$+^{\lambda}P$	$+^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}X$	$-^{\lambda}Y$	$+^{\lambda}Z$	$-^{\lambda}L$	$-^{\lambda}M$	$+^{\lambda}N$	$-^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}E$	$-^{\lambda}F$	$+^{\lambda}U$	$-^{\lambda}T$	$+^{\lambda}S$	$-^{\lambda}iP$	$-^{\lambda}iQ$	$+^{\lambda}iR$	$+^{\lambda}iX$	$+^{\lambda}iY$	$-^{\lambda}iZ$	$+^{\lambda}iL$	$+^{\lambda}iM$	$-^{\lambda}iN$
X	$+^{\lambda}X$	$-^{\lambda}U$	$+^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}D$	$-^{\lambda}L$	$+^{\lambda}P$	$+^{\lambda}iS$	$-^{\lambda}iN$	$+^{\lambda}iM$	$+^{\lambda}iV$	$-^{\lambda}iF$	$+^{\lambda}iE$	$-^{\lambda}iT$	$+^{\lambda}iR$	$-^{\lambda}iQ$	$+^{\lambda}iX$	$-^{\lambda}iU$	$+^{\lambda}iZ$	$-^{\lambda}iY$	$-^{\lambda}iD$	$-^{\lambda}iL$	$+^{\lambda}iP$	$+^{\lambda}S$	$-^{\lambda}N$	$+^{\lambda}M$	$+^{\lambda}V$	$-^{\lambda}F$	$+^{\lambda}E$	$-^{\lambda}T$	$+^{\lambda}R$	$-^{\lambda}Q$
Y	$+^{\lambda}Y$	$+^{\lambda}Z$	$+^{\lambda}U$	$+^{\lambda}X$	$+^{\lambda}E$	$+^{\lambda}M$	$+^{\lambda}Q$	$+^{\lambda}iN$	$+^{\lambda}iS$	$+^{\lambda}iL$	$+^{\lambda}iF$	$+^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iR$	$+^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iY$	$+^{\lambda}iZ$	$+^{\lambda}iU$	$+^{\lambda}iX$	$+^{\lambda}iE$	$+^{\lambda}iM$	$+^{\lambda}iQ$	$+^{\lambda}N$	$+^{\lambda}S$	$+^{\lambda}L$	$+^{\lambda}F$	$+^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}R$	$+^{\lambda}T$	$+^{\lambda}P$
Z	$+^{\lambda}Z$	$-^{\lambda}Y$	$-^{\lambda}X$	$+^{\lambda}U$	$-^{\lambda}F$	$+^{\lambda}N$	$-^{\lambda}R$	$-^{\lambda}iM$	$-^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iE$	$+^{\lambda}iD$	$-^{\lambda}iV$	$+^{\lambda}iQ$	$+^{\lambda}iP$	$-^{\lambda}iT$	$+^{\lambda}iZ$	$-^{\lambda}iY$	$-^{\lambda}iX$	$+^{\lambda}iU$	$-^{\lambda}iF$	$+^{\lambda}iN$	$-^{\lambda}iR$	$-^{\lambda}M$	$-^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}E$	$+^{\lambda}D$	$-^{\lambda}V$	$+^{\lambda}Q$	$+^{\lambda}P$	$-^{\lambda}T$
P	$+^{\lambda}P$	$+^{\lambda}T$	$-^{\lambda}R$	$-^{\lambda}Q$	$+^{\lambda}L$	$-^{\lambda}D$	$-^{\lambda}X$	$-^{\lambda}iV$	$+^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iS$	$-^{\lambda}iN$	$-^{\lambda}iM$	$-^{\lambda}iU$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iP$	$+^{\lambda}iT$	$-^{\lambda}iR$	$-^{\lambda}iQ$	$+^{\lambda}iL$	$-^{\lambda}iD$	$-^{\lambda}iX$	$-^{\lambda}V$	$+^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}S$	$-^{\lambda}N$	$-^{\lambda}M$	$-^{\lambda}U$	$+^{\lambda}Z$	$+^{\lambda}Y$
Q	$+^{\lambda}Q$	$-^{\lambda}R$	$-^{\lambda}T$	$+^{\lambda}P$	$-^{\lambda}M$	$+^{\lambda}E$	$-^{\lambda}Y$	$-^{\lambda}iF$	$-^{\lambda}iV$	$+^{\lambda}iD$	$+^{\lambda}iN$	$+^{\lambda}iS$	$-^{\lambda}iL$	$+^{\lambda}iZ$	$+^{\lambda}iU$	$-^{\lambda}iX$	$+^{\lambda}iQ$	$-^{\lambda}iR$	$-^{\lambda}iT$	$+^{\lambda}iP$	$-^{\lambda}iM$	$+^{\lambda}iE$	$-^{\lambda}iY$	$-^{\lambda}F$	$-^{\lambda}V$	$+^{\lambda}D$	$+^{\lambda}N$	$+^{\lambda}S$	$-^{\lambda}L$	$+^{\lambda}Z$	$+^{\lambda}U$	$-^{\lambda}X$
R	$+^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}N$	$+^{\lambda}F$	$+^{\lambda}Z$	$+^{\lambda}iE$	$+^{\lambda}iD$	$+^{\lambda}iV$	$+^{\lambda}iM$	$+^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iY$	$+^{\lambda}iX$	$+^{\lambda}iU$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iN$	$+^{\lambda}iF$	$+^{\lambda}iZ$	$+^{\lambda}E$	$+^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}M$	$+^{\lambda}L$	$+^{\lambda}S$	$+^{\lambda}Y$	$+^{\lambda}X$	$+^{\lambda}U$
D	$+^{\lambda}D$	$+^{\lambda}V$	$+^{\lambda}F$	$+^{\lambda}E$	$+^{\lambda}X$	$+^{\lambda}P$	$+^{\lambda}L$	$+^{\lambda}iT$	$+^{\lambda}iR$	$+^{\lambda}iQ$	$+^{\lambda}iU$	$+^{\lambda}iZ$	$+^{\lambda}iY$	$+^{\lambda}iS$	$+^{\lambda}iN$	$+^{\lambda}iM$	$+^{\lambda}iD$	$+^{\lambda}iV$	$+^{\lambda}iF$	$+^{\lambda}iE$	$+^{\lambda}iX$	$+^{\lambda}iP$	$+^{\lambda}iL$	$+^{\lambda}T$	$+^{\lambda}R$	$+^{\lambda}Q$	$+^{\lambda}U$	$+^{\lambda}Z$	$+^{\lambda}Y$	$+^{\lambda}S$	$+^{\lambda}N$	$+^{\lambda}M$
E	$+^{\lambda}E$	$-^{\lambda}F$	$+^{\lambda}V$	$-^{\lambda}D$	$-^{\lambda}Y$	$-^{\lambda}Q$	$+^{\lambda}M$	$+^{\lambda}iR$	$-^{\lambda}iT$	$+^{\lambda}iP$	$+^{\lambda}iZ$	$-^{\lambda}iU$	$+^{\lambda}iX$	$-^{\lambda}iN$	$+^{\lambda}iS$	$-^{\lambda}iL$	$+^{\lambda}iE$	$-^{\lambda}iF$	$+^{\lambda}iV$	$-^{\lambda}iD$	$-^{\lambda}iY$	$-^{\lambda}iQ$	$+^{\lambda}iM$	$+^{\lambda}R$	$-^{\lambda}T$	$+^{\lambda}P$	$+^{\lambda}Z$	$-^{\lambda}U$	$+^{\lambda}X$	$-^{\lambda}N$	$+^{\lambda}S$	$-^{\lambda}L$
F	$+^{\lambda}F$	$+^{\lambda}E$	$-^{\lambda}D$	$-^{\lambda}V$	$+^{\lambda}Z$	$-^{\lambda}R$	$-^{\lambda}N$	$-^{\lambda}iQ$	$+^{\lambda}iP$	$+^{\lambda}iT$	$+^{\lambda}iY$	$-^{\lambda}iX$	$-^{\lambda}iU$	$-^{\lambda}iM$	$+^{\lambda}iL$	$+^{\lambda}iS$	$+^{\lambda}iF$	$+^{\lambda}iE$	$-^{\lambda}iD$	$-^{\lambda}iV$	$+^{\lambda}iZ$	$-^{\lambda}iR$	$-^{\lambda}iN$	$-^{\lambda}Q$	$+^{\lambda}P$	$+^{\lambda}T$	$+^{\lambda}Y$	$-^{\lambda}X$	$-^{\lambda}U$	$-^{\lambda}M$	$+^{\lambda}L$	$+^{\lambda}S$
$^{\nu}S$	$-^{\mu}S$	$-^{\mu}L$	$-^{\mu}M$	$-^{\mu}N$	$-^{\mu}T$	$-^{\mu}U$	$-^{\mu}V$	$-^{\mu}iX$	$-^{\mu}iY$	$-^{\mu}iZ$	$-^{\mu}iP$	$-^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iD$	$-^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iS$	$-^{\mu}iL$	$-^{\mu}iM$	$-^{\mu}iN$	$-^{\mu}iT$	$-^{\mu}iU$	$-^{\mu}iV$	$-^{\mu}X$	$-^{\mu}Y$	$-^{\mu}Z$	$-^{\mu}P$	$-^{\mu}Q$	$-^{\mu}R$	$-^{\mu}D$	$-^{\mu}E$	$-^{\mu}F$
$^{\nu}L$	$+^{\mu}L$	$-^{\mu}S$	$+^{\mu}N$	$-^{\mu}M$	$-^{\mu}P$	$+^{\mu}X$	$-^{\mu}D$	$-^{\mu}iU$	$+^{\mu}iZ$	$-^{\mu}iY$	$+^{\mu}iT$	$-^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iV$	$-^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iL$	$-^{\mu}iS$	$+^{\mu}iN$	$-^{\mu}iM$	$-^{\mu}iP$	$+^{\mu}iX$	$-^{\mu}iD$	$-^{\mu}U$	$+^{\mu}Z$	$-^{\mu}Y$	$+^{\mu}T$	$-^{\mu}R$	$+^{\mu}Q$	$+^{\mu}V$	$-^{\mu}F$	$+^{\mu}E$
$^{\nu}M$	$+^{\mu}M$	$-^{\mu}N$	$-^{\mu}S$	$+^{\mu}L$	$+^{\mu}Q$	$-^{\mu}Y$	$-^{\mu}E$	$+^{\mu}iZ$	$+^{\mu}iU$	$-^{\mu}iX$	$-^{\mu}iR$	$-^{\mu}iT$	$+^{\mu}iP$	$+^{\mu}iF$	$+^{\mu}iV$	$-^{\mu}iD$	$+^{\mu}iM$	$-^{\mu}iN$	$-^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iQ$	$-^{\mu}iY$	$-^{\mu}iE$	$+^{\mu}Z$	$+^{\mu}U$	$-^{\mu}X$	$-^{\mu}R$	$-^{\mu}T$	$+^{\mu}P$	$+^{\mu}F$	$+^{\mu}V$	$-^{\mu}D$
$^{\nu}N$	$+^{\mu}N$	$+^{\mu}M$	$-^{\mu}L$	$-^{\mu}S$	$-^{\mu}R$	$-^{\mu}Z$	$+^{\mu}F$	$-^{\mu}iY$	$+^{\mu}iX$	$+^{\mu}iU$	$-^{\mu}iQ$	$+^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iE$	$-^{\mu}iD$	$-^{\mu}iV$	$+^{\mu}iN$	$+^{\mu}iM$	$-^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iR$	$-^{\mu}iZ$	$+^{\mu}iF$	$-^{\mu}Y$	$+^{\mu}X$	$+^{\mu}U$	$-^{\mu}Q$	$+^{\mu}P$	$+^{\mu}T$	$+^{\mu}E$	$-^{\mu}D$	$-^{\mu}V$
$^{\nu}T$	$+^{\mu}T$	$-^{\mu}P$	$+^{\mu}Q$	$-^{\mu}R$	$-^{\mu}S$	$+^{\mu}V$	$-^{\mu}U$	$-^{\mu}iD$	$+^{\mu}iE$	$-^{\mu}iF$	$+^{\mu}iL$	$-^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iX$	$-^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iT$	$-^{\mu}iP$	$+^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iS$	$+^{\mu}iV$	$-^{\mu}iU$	$-^{\mu}D$	$+^{\mu}E$	$-^{\mu}F$	$+^{\mu}L$	$-^{\mu}M$	$+^{\mu}N$	$+^{\mu}X$	$-^{\mu}Y$	$+^{\mu}Z$
$^{\nu}U$	$+^{\mu}U$	$+^{\mu}X$	$-^{\mu}Y$	$-^{\mu}Z$	$-^{\mu}V$	$-^{\mu}S$	$+^{\mu}T$	$-^{\mu}iL$	$+^{\mu}iM$	$+^{\mu}iN$	$-^{\mu}iD$	$+^{\mu}iE$	$+^{\mu}iF$	$+^{\mu}iP$	$-^{\mu}iQ$	$-^{\mu}iR$	$+^{\mu}iU$	$+^{\mu}iX$	$-^{\mu}iY$	$-^{\mu}iZ$	$-^{\mu}iV$	$-^{\mu}iS$	$+^{\mu}iT$	$-^{\mu}L$	$+^{\mu}M$	$+^{\mu}N$	$-^{\mu}D$	$+^{\mu}E$	$+^{\mu}F$	$+^{\mu}P$	$-^{\mu}Q$	$-^{\mu}R$
$^{\nu}V$	$+^{\mu}V$	$-^{\mu}D$	$-^{\mu}E$	$+^{\mu}F$	$+^{\mu}U$	$-^{\mu}T$	$-^{\mu}S$	$+^{\mu}iP$	$+^{\mu}iQ$	$-^{\mu}iR$	$-^{\mu}iX$	$-^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iL$	$+^{\mu}iM$	$-^{\mu}iN$	$+^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iE$	$+^{\mu}iF$	$+^{\mu}iU$	$-^{\mu}iT$	$-^{\mu}iS$	$+^{\mu}P$	$+^{\mu}Q$	$-^{\mu}R$	$-^{\mu}X$	$-^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}L$	$+^{\mu}M$	$-^{\mu}N$
$^{\nu}iX$	$+^{\mu}iX$	$-^{\mu}iU$	$-^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iD$	$-^{\mu}iL$	$-^{\mu}iP$	$-^{\mu}S$	$-^{\mu}N$	$+^{\mu}M$	$+^{\mu}V$	$+^{\mu}F$	$-^{\mu}E$	$-^{\mu}T$	$-^{\mu}R$	$+^{\mu}Q$	$-^{\mu}X$	$+^{\mu}U$	$+^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}D$	$+^{\mu}L$	$+^{\mu}P$	$+^{\mu}iS$	$+^{\mu}iN$	$-^{\mu}iM$	$-^{\mu}iV$	$-^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iT$	$+^{\mu}iR$	$-^{\mu}iQ$
$^{\nu}iY$	$+^{\mu}iY$	$-^{\mu}iZ$	$+^{\mu}iU$	$-^{\mu}iX$	$-^{\mu}iE$	$+^{\mu}iM$	$-^{\mu}iQ$	$+^{\mu}N$	$-^{\mu}S$	$+^{\mu}L$	$-^{\mu}F$	$+^{\mu}V$	$-^{\mu}D$	$-^{\mu}R$	$+^{\mu}T$	$-^{\mu}P$	$-^{\mu}Y$	$+^{\mu}Z$	$-^{\mu}U$	$+^{\mu}X$	$+^{\mu}E$	$-^{\mu}M$	$+^{\mu}Q$	$-^{\mu}iN$	$+^{\mu}iS$	$-^{\mu}iL$	$+^{\mu}iF$	$-^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iR$	$-^{\mu}iT$	$+^{\mu}iP$
$^{\nu}iZ$	$+^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iX$	$+^{\mu}iU$	$+^{\mu}iF$	$+^{\mu}iN$	$+^{\mu}iR$	$-^{\mu}M$	$-^{\mu}L$	$-^{\mu}S$	$-^{\mu}E$	$-^{\mu}D$	$-^{\mu}V$	$-^{\mu}Q$	$-^{\mu}P$	$-^{\mu}T$	$-^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}X$	$-^{\mu}U$	$-^{\mu}F$	$-^{\mu}N$	$-^{\mu}R$	$+^{\mu}iM$	$+^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iE$	$+^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iQ$	$+^{\mu}iP$	$+^{\mu}iT$
$^{\nu}iP$	$+^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iL$	$+^{\mu}iD$	$+^{\mu}iX$	$-^{\mu}V$	$-^{\mu}F$	$-^{\mu}E$	$-^{\mu}S$	$-^{\mu}N$	$-^{\mu}M$	$-^{\mu}U$	$-^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}P$	$-^{\mu}T$	$-^{\mu}R$	$-^{\mu}Q$	$-^{\mu}L$	$-^{\mu}D$	$-^{\mu}X$	$+^{\mu}iV$	$+^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iS$	$+^{\mu}iN$	$+^{\mu}iM$	$+^{\mu}iU$	$+^{\mu}iZ$	$+^{\mu}iY$
$^{\nu}iQ$	$+^{\mu}iQ$	$+^{\mu}iR$	$-^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iM$	$-^{\mu}iE$	$+^{\mu}iY$	$+^{\mu}F$	$-^{\mu}V$	$-^{\mu}D$	$+^{\mu}N$	$-^{\mu}S$	$-^{\mu}L$	$-^{\mu}Z$	$+^{\mu}U$	$+^{\mu}X$	$-^{\mu}Q$	$-^{\mu}R$	$+^{\mu}T$	$+^{\mu}P$	$+^{\mu}M$	$+^{\mu}E$	$-^{\mu}Y$	$-^{\mu}iF$	$+^{\mu}iV$	$+^{\mu}iD$	$-^{\mu}iN$	$+^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iZ$	$-^{\mu}iU$	$-^{\mu}iX$
$^{\nu}iR$	$+^{\mu}iR$	$-^{\mu}iQ$	$-^{\mu}iP$	$+^{\mu}iT$	$+^{\mu}iN$	$-^{\mu}iF$	$-^{\mu}iZ$	$-^{\mu}E$	$-^{\mu}D$	$+^{\mu}V$	$+^{\mu}M$	$+^{\mu}L$	$-^{\mu}S$	$-^{\mu}Y$	$-^{\mu}X$	$+^{\mu}U$	$-^{\mu}R$	$+^{\mu}Q$	$+^{\mu}P$	$-^{\mu}T$	$-^{\mu}N$	$+^{\mu}F$	$+^{\mu}Z$	$+^{\mu}iE$	$+^{\mu}iD$	$-^{\mu}iV$	$-^{\mu}iM$	$-^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iY$	$+^{\mu}iX$	$-^{\mu}iU$
$^{\nu}iD$	$+^{\mu}iD$	$+^{\mu}iV$	$-^{\mu}iF$	$-^{\mu}iE$	$-^{\mu}iX$	$-^{\mu}iP$	$+^{\mu}iL$	$+^{\mu}T$	$-^{\mu}R$	$-^{\mu}Q$	$+^{\mu}U$	$-^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}S$	$+^{\mu}N$	$+^{\mu}M$	$-^{\mu}D$	$-^{\mu}V$	$+^{\mu}F$	$+^{\mu}E$	$+^{\mu}X$	$+^{\mu}P$	$-^{\mu}L$	$-^{\mu}iT$	$+^{\mu}iR$	$+^{\mu}iQ$	$-^{\mu}iU$	$+^{\mu}iZ$	$+^{\mu}iY$	$+^{\mu}iS$	$-^{\mu}iN$	$-^{\mu}iM$
$^{\nu}iE$	$+^{\mu}iE$	$+^{\mu}iF$	$+^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iY$	$+^{\mu}iQ$	$+^{\mu}iM$	$-^{\mu}R$	$-^{\mu}T$	$-^{\mu}P$	$-^{\mu}Z$	$-^{\mu}U$	$-^{\mu}X$	$-^{\mu}N$	$-^{\mu}S$	$-^{\mu}L$	$-^{\mu}E$	$-^{\mu}F$	$-^{\mu}V$	$-^{\mu}D$	$-^{\mu}Y$	$-^{\mu}Q$	$-^{\mu}M$	$+^{\mu}iR$	$+^{\mu}iT$	$+^{\mu}iP$	$+^{\mu}iZ$	$+^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iN$	$+^{\mu}iS$	$+^{\mu}iL$
$^{\nu}iF$	$+^{\mu}iF$	$-^{\mu}iE$	$+^{\mu}iD$	$-^{\mu}iV$	$-^{\mu}iZ$	$+^{\mu}iR$	$-^{\mu}iN$	$+^{\mu}Q$	$-^{\mu}P$	$+^{\mu}T$	$-^{\mu}Y$	$+^{\mu}X$	$-^{\mu}U$	$-^{\mu}M$	$+^{\mu}L$	$-^{\mu}S$	$-^{\mu}F$	$+^{\mu}E$	$-^{\mu}D$	$+^{\mu}V$	$+^{\mu}Z$	$-^{\mu}R$	$+^{\mu}N$	$-^{\mu}iQ$	$+^{\mu}iP$	$-^{\mu}iT$	$+^{\mu}iY$	$-^{\mu}iX$	$+^{\mu}iU$	$+^{\mu}iM$	$-^{\mu}iL$	$+^{\mu}iS$
$^{\nu}iS$	$+^{\mu}iS$	$+^{\mu}iL$	$+^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iT$	$+^{\mu}iU$	$+^{\mu}iV$	$-^{\mu}X$	$-^{\mu}Y$	$-^{\mu}Z$	$-^{\mu}P$	$-^{\mu}Q$	$-^{\mu}R$	$-^{\mu}D$	$-^{\mu}E$	$-^{\mu}F$	$-^{\mu}S$	$-^{\mu}L$	$-^{\mu}M$	$-^{\mu}N$	$-^{\mu}T$	$-^{\mu}U$	$-^{\mu}V$	$+^{\mu}iX$	$+^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iP$	$+^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iD$	$+^{\mu}iE$	$+^{\mu}iF$
$^{\nu}iL$	$-^{\mu}iL$	$+^{\mu}iS$	$-^{\mu}iN$	$+^{\mu}iM$	$+^{\mu}iP$	$-^{\mu}iX$	$+^{\mu}iD$	$-^{\mu}U$	$+^{\mu}Z$	$-^{\mu}Y$	$+^{\mu}T$	$-^{\mu}R$	$+^{\mu}Q$	$+^{\mu}V$	$-^{\mu}F$	$+^{\mu}E$	$+^{\mu}L$	$-^{\mu}S$	$+^{\mu}N$	$-^{\mu}M$	$-^{\mu}P$	$+^{\mu}X$	$-^{\mu}D$	$+^{\mu}iU$	$-^{\mu}iZ$	$+^{\mu}iY$	$-^{\mu}iT$	$+^{\mu}iR$	$-^{\mu}iQ$	$-^{\mu}iV$	$+^{\mu}iF$	$-^{\mu}iE$
$^{\nu}iM$	$-^{\mu}iM$	$+^{\mu}iN$	$+^{\mu}iS$	$-^{\mu}iL$	$-^{\mu}iQ$	$+^{\mu}iY$	$+^{\mu}iE$	$+^{\mu}Z$	$+^{\mu}U$	$-^{\mu}X$	$-^{\mu}R$	$-^{\mu}T$	$+^{\mu}P$	$+^{\mu}F$	$+^{\mu}V$	$-^{\mu}D$	$+^{\mu}M$	$-^{\mu}N$	$-^{\mu}S$	$+^{\mu}L$	$+^{\mu}Q$	$-^{\mu}Y$	$-^{\mu}E$	$-^{\mu}iZ$	$-^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iR$	$+^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iF$	$-^{\mu}iV$	$+^{\mu}iD$
$^{\nu}iN$	$-^{\mu}iN$	$-^{\mu}iM$	$+^{\mu}iL$	$+^{\mu}iS$	$+^{\mu}iR$	$+^{\mu}iZ$	$-^{\mu}iF$	$-^{\mu}Y$	$+^{\mu}X$	$+^{\mu}U$	$-^{\mu}Q$	$+^{\mu}P$	$+^{\mu}T$	$+^{\mu}E$	$-^{\mu}D$	$-^{\mu}V$	$+^{\mu}N$	$+^{\mu}M$	$-^{\mu}L$	$-^{\mu}S$	$-^{\mu}R$	$-^{\mu}Z$	$+^{\mu}F$	$+^{\mu}iY$	$-^{\mu}iX$	$-^{\mu}iU$	$+^{\mu}iQ$	$-^{\mu}iP$	$-^{\mu}iT$	$-^{\mu}iE$	$+^{\mu}iD$	$+^{\mu}iV$
$^{\nu}iT$	$-^{\mu}iT$	$+^{\mu}iP$	$-^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iS$	$-^{\mu}iV$	$+^{\mu}iU$	$-^{\mu}D$	$+^{\mu}E$	$-^{\mu}F$	$+^{\mu}L$	$-^{\mu}M$	$+^{\mu}N$	$+^{\mu}X$	$-^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}T$	$-^{\mu}P$	$+^{\mu}Q$	$-^{\mu}R$	$-^{\mu}S$	$+^{\mu}V$	$-^{\mu}U$	$+^{\mu}iD$	$-^{\mu}iE$	$+^{\mu}iF$	$-^{\mu}iL$	$+^{\mu}iM$	$-^{\mu}iN$	$-^{\mu}iX$	$+^{\mu}iY$	$-^{\mu}iZ$
$^{\nu}iU$	$-^{\mu}iU$	$-^{\mu}iX$	$+^{\mu}iY$	$+^{\mu}iZ$	$+^{\mu}iV$	$+^{\mu}iS$	$-^{\mu}iT$	$-^{\mu}L$	$+^{\mu}M$	$+^{\mu}N$	$-^{\mu}D$	$+^{\mu}E$	$+^{\mu}F$	$+^{\mu}P$	$-^{\mu}Q$	$-^{\mu}R$	$+^{\mu}U$	$+^{\mu}X$	$-^{\mu}Y$	$-^{\mu}Z$	$-^{\mu}V$	$-^{\mu}S$	$+^{\mu}T$	$+^{\mu}iL$	$-^{\mu}iM$	$-^{\mu}iN$	$+^{\mu}iD$	$-^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iP$	$+^{\mu}iQ$	$+^{\mu}iR$
$^{\nu}iV$	$-^{\mu}iV$	$+^{\mu}iD$	$+^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iU$	$+^{\mu}iT$	$+^{\mu}iS$	$+^{\mu}P$	$+^{\mu}Q$	$-^{\mu}R$	$-^{\mu}X$	$-^{\mu}Y$	$+^{\mu}Z$	$+^{\mu}L$	$+^{\mu}M$	$-^{\mu}N$	$+^{\mu}V$	$-^{\mu}D$	$-^{\mu}E$	$+^{\mu}F$	$+^{\mu}U$	$-^{\mu}T$	$-^{\mu}S$	$-^{\mu}iP$	$-^{\mu}iQ$	$+^{\mu}iR$	$+^{\mu}iX$	$+^{\mu}iY$	$-^{\mu}iZ$	$-^{\mu}iL$	$-^{\mu}iM$	$+^{\mu}iN$
$^{\nu}X$	$-^{\mu}X$	$+^{\mu}U$	$+^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}D$	$+^{\mu}L$	$+^{\mu}P$	$-^{\mu}iS$	$-^{\mu}iN$	$+^{\mu}iM$	$+^{\mu}iV$	$+^{\mu}iF$	$-^{\mu}iE$	$-^{\mu}iT$	$-^{\mu}iR$	$+^{\mu}iQ$	$-^{\mu}iX$	$+^{\mu}iU$	$+^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iD$	$+^{\mu}iL$	$+^{\mu}iP$	$-^{\mu}S$	$-^{\mu}N$	$+^{\mu}M$	$+^{\mu}V$	$+^{\mu}F$	$-^{\mu}E$	$-^{\mu}T$	$-^{\mu}R$	$+^{\mu}Q$
$^{\nu}Y$	$-^{\mu}Y$	$+^{\mu}Z$	$-^{\mu}U$	$+^{\mu}X$	$+^{\mu}E$	$-^{\mu}M$	$+^{\mu}Q$	$+^{\mu}iN$	$-^{\mu}iS$	$+^{\mu}iL$	$-^{\mu}iF$	$+^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iR$	$+^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iY$	$+^{\mu}iZ$	$-^{\mu}iU$	$+^{\mu}iX$	$+^{\mu}iE$	$-^{\mu}iM$	$+^{\mu}iQ$	$+^{\mu}N$	$-^{\mu}S$	$+^{\mu}L$	$-^{\mu}F$	$+^{\mu}V$	$-^{\mu}D$	$-^{\mu}R$	$+^{\mu}T$	$-^{\mu}P$
$^{\nu}Z$	$-^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}X$	$-^{\mu}U$	$-^{\mu}F$	$-^{\mu}N$	$-^{\mu}R$	$-^{\mu}iM$	$-^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iE$	$-^{\mu}iD$	$-^{\mu}iV$	$-^{\mu}iQ$	$-^{\mu}iP$	$-^{\mu}iT$	$-^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iX$	$-^{\mu}iU$	$-^{\mu}iF$	$-^{\mu}iN$	$-^{\mu}iR$	$-^{\mu}M$	$-^{\mu}L$	$-^{\mu}S$	$-^{\mu}E$	$-^{\mu}D$	$-^{\mu}V$	$-^{\mu}Q$	$-^{\mu}P$	$-^{\mu}T$
$^{\nu}P$	$-^{\mu}P$	$-^{\mu}T$	$-^{\mu}R$	$-^{\mu}Q$	$-^{\mu}L$	$-^{\mu}D$	$-^{\mu}X$	$-^{\mu}iV$	$-^{\mu}iF$	$-^{\mu}iE$	$-^{\mu}iS$	$-^{\mu}iN$	$-^{\mu}iM$	$-^{\mu}iU$	$-^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iP$	$-^{\mu}iT$	$-^{\mu}iR$	$-^{\mu}iQ$	$-^{\mu}iL$	$-^{\mu}iD$	$-^{\mu}iX$	$-^{\mu}V$	$-^{\mu}F$	$-^{\mu}E$	$-^{\mu}S$	$-^{\mu}N$	$-^{\mu}M$	$-^{\mu}U$	$-^{\mu}Z$	$-^{\mu}Y$
$^{\nu}Q$	$-^{\mu}Q$	$-^{\mu}R$	$+^{\mu}T$	$+^{\mu}P$	$+^{\mu}M$	$+^{\mu}E$	$-^{\mu}Y$	$+^{\mu}iF$	$-^{\mu}iV$	$-^{\mu}iD$	$+^{\mu}iN$	$-^{\mu}iS$	$-^{\mu}iL$	$-^{\mu}iZ$	$+^{\mu}iU$	$+^{\mu}iX$	$-^{\mu}iQ$	$-^{\mu}iR$	$+^{\mu}iT$	$+^{\mu}iP$	$+^{\mu}iM$	$+^{\mu}iE$	$-^{\mu}iY$	$+^{\mu}F$	$-^{\mu}V$	$-^{\mu}D$	$+^{\mu}N$	$-^{\mu}S$	$-^{\mu}L$	$-^{\mu}Z$	$+^{\mu}U$	$+^{\mu}X$
$^{\nu}R$	$-^{\mu}R$	$+^{\mu}Q$	$+^{\mu}P$	$-^{\mu}T$	$-^{\mu}N$	$+^{\mu}F$	$+^{\mu}Z$	$-^{\mu}iE$	$-^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iM$	$+^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iY$	$-^{\mu}iX$	$+^{\mu}iU$	$-^{\mu}iR$	$+^{\mu}iQ$	$+^{\mu}iP$	$-^{\mu}iT$	$-^{\mu}iN$	$+^{\mu}iF$	$+^{\mu}iZ$	$-^{\mu}E$	$-^{\mu}D$	$+^{\mu}V$	$+^{\mu}M$	$+^{\mu}L$	$-^{\mu}S$	$-^{\mu}Y$	$-^{\mu}X$	$+^{\mu}U$
$^{\nu}D$	$-^{\mu}D$	$-^{\mu}V$	$+^{\mu}F$	$+^{\mu}E$	$+^{\mu}X$	$+^{\mu}P$	$-^{\mu}L$	$+^{\mu}iT$	$-^{\mu}iR$	$-^{\mu}iQ$	$+^{\mu}iU$	$-^{\mu}iZ$	$-^{\mu}iY$	$-^{\mu}iS$	$+^{\mu}iN$	$+^{\mu}iM$	$-^{\mu}iD$	$-^{\mu}iV$	$+^{\mu}iF$	$+^{\mu}iE$	$+^{\mu}iX$	$+^{\mu}iP$	$-^{\mu}iL$	$+^{\mu}T$	$-^{\mu}R$	$-^{\mu}Q$	$+^{\mu}U$	$-^{\mu}Z$	$-^{\mu}Y$	$-^{\mu}S$	$+^{\mu}N$	$+^{\mu}M$
$^{\nu}E$	$-^{\mu}E$	$-^{\mu}F$	$-^{\mu}V$	$-^{\mu}D$	$-^{\mu}Y$	$-^{\mu}Q$	$-^{\mu}M$	$-^{\mu}iR$	$-^{\mu}iT$	$-^{\mu}iP$	$-^{\mu}iZ$	$-^{\mu}iU$	$-^{\mu}iX$	$-^{\mu}iN$	$-^{\mu}iS$	$-^{\mu}iL$	$-^{\mu}iE$	$-^{\mu}iF$	$-^{\mu}iV$	$-^{\mu}iD$	$-^{\mu}iY$	$-^{\mu}iQ$	$-^{\mu}iM$	$-^{\mu}R$	$-^{\mu}T$	$-^{\mu}P$	$-^{\mu}Z$	$-^{\mu}U$	$-^{\mu}X$	$-^{\mu}N$	$-^{\mu}S$	$-^{\mu}L$
$^{\nu}F$	$-^{\mu}F$	$+^{\mu}E$	$-^{\mu}D$	$+^{\mu}V$	$+^{\mu}Z$	$-^{\mu}R$	$+^{\mu}N$	$+^{\mu}iQ$	$-^{\mu}iP$	$+^{\mu}iT$	$-^{\mu}iY$	$+^{\mu}iX$	$-^{\mu}iU$	$-^{\mu}iM$	$+^{\mu}iL$	$-^{\mu}iS$	$-^{\mu}iF$	$+^{\mu}iE$	$-^{\mu}iD$	$+^{\mu}iV$	$+^{\mu}iZ$	$-^{\mu}iR$	$+^{\mu}iN$	$+^{\mu}Q$	$-^{\mu}P$	$+^{\mu}T$	$-^{\mu}Y$	$+^{\mu}X$	$-^{\mu}U$	$-^{\mu}M$	$+^{\mu}L$	$-^{\mu}S$

TABLE 10. Kaotic Algebra multiplication table, part D2

	$^{\lambda}S$	$^{\lambda}L$	$^{\lambda}M$	$^{\lambda}N$	$^{\lambda}T$	$^{\lambda}U$	$^{\lambda}V$	$^{\lambda}iX$	$^{\lambda}iY$	$^{\lambda}iZ$	$^{\lambda}iP$	$^{\lambda}iQ$	$^{\lambda}iR$	$^{\lambda}iD$	$^{\lambda}iE$	$^{\lambda}iF$	$^{\lambda}iS$	$^{\lambda}iL$	$^{\lambda}iM$	$^{\lambda}iN$	$^{\lambda}iT$	$^{\lambda}iU$	$^{\lambda}iV$	$^{\lambda}X$	$^{\lambda}Y$	$^{\lambda}Z$	$^{\lambda}P$	$^{\lambda}Q$	$^{\lambda}R$	$^{\lambda}D$	$^{\lambda}E$	$^{\lambda}F$
$^{\mu}S$	$+^{\nu}S$	$+^{\nu}L$	$+^{\nu}M$	$+^{\nu}N$	$+^{\nu}T$	$+^{\nu}U$	$+^{\nu}V$	$+^{\nu}iX$	$+^{\nu}iY$	$+^{\nu}iZ$	$+^{\nu}iP$	$+^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iD$	$+^{\nu}iE$	$+^{\nu}iF$	$+^{\nu}iS$	$+^{\nu}iL$	$+^{\nu}iM$	$+^{\nu}iN$	$+^{\nu}iT$	$+^{\nu}iU$	$+^{\nu}iV$	$+^{\nu}X$	$+^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}P$	$+^{\nu}Q$	$+^{\nu}R$	$+^{\nu}D$	$+^{\nu}E$	$+^{\nu}F$
$^{\mu}L$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}N$	$-^{\nu}M$	$+^{\nu}P$	$-^{\nu}X$	$+^{\nu}D$	$+^{\nu}iU$	$+^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iT$	$-^{\nu}iR$	$+^{\nu}iQ$	$-^{\nu}iV$	$-^{\nu}iF$	$+^{\nu}iE$	$-^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iN$	$-^{\nu}iM$	$+^{\nu}iP$	$-^{\nu}iX$	$+^{\nu}iD$	$+^{\nu}U$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}T$	$-^{\nu}R$	$+^{\nu}Q$	$-^{\nu}V$	$-^{\nu}F$	$+^{\nu}E$
$^{\mu}M$	$-^{\nu}M$	$-^{\nu}N$	$+^{\nu}S$	$+^{\nu}L$	$-^{\nu}Q$	$+^{\nu}Y$	$+^{\nu}E$	$+^{\nu}iZ$	$-^{\nu}iU$	$-^{\nu}iX$	$-^{\nu}iR$	$+^{\nu}iT$	$+^{\nu}iP$	$+^{\nu}iF$	$-^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iM$	$-^{\nu}iN$	$+^{\nu}iS$	$+^{\nu}iL$	$-^{\nu}iQ$	$+^{\nu}iY$	$+^{\nu}iE$	$+^{\nu}Z$	$-^{\nu}U$	$-^{\nu}X$	$-^{\nu}R$	$+^{\nu}T$	$+^{\nu}P$	$+^{\nu}F$	$-^{\nu}V$	$-^{\nu}D$
$^{\mu}N$	$-^{\nu}N$	$+^{\nu}M$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}R$	$+^{\nu}Z$	$-^{\nu}F$	$-^{\nu}iY$	$+^{\nu}iX$	$-^{\nu}iU$	$-^{\nu}iQ$	$+^{\nu}iP$	$-^{\nu}iT$	$+^{\nu}iE$	$-^{\nu}iD$	$+^{\nu}iV$	$-^{\nu}iN$	$+^{\nu}iM$	$-^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iR$	$+^{\nu}iZ$	$-^{\nu}iF$	$-^{\nu}Y$	$+^{\nu}X$	$-^{\nu}U$	$-^{\nu}Q$	$+^{\nu}P$	$-^{\nu}T$	$+^{\nu}E$	$-^{\nu}D$	$+^{\nu}V$
$^{\mu}T$	$-^{\nu}T$	$+^{\nu}P$	$-^{\nu}Q$	$+^{\nu}R$	$+^{\nu}S$	$+^{\nu}V$	$-^{\nu}U$	$-^{\nu}iD$	$+^{\nu}iE$	$-^{\nu}iF$	$-^{\nu}iL$	$+^{\nu}iM$	$-^{\nu}iN$	$+^{\nu}iX$	$-^{\nu}iY$	$+^{\nu}iZ$	$-^{\nu}iT$	$+^{\nu}iP$	$-^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iS$	$+^{\nu}iV$	$-^{\nu}iU$	$-^{\nu}D$	$+^{\nu}E$	$-^{\nu}F$	$-^{\nu}L$	$+^{\nu}M$	$-^{\nu}N$	$+^{\nu}X$	$-^{\nu}Y$	$+^{\nu}Z$
$^{\mu}U$	$-^{\nu}U$	$-^{\nu}X$	$+^{\nu}Y$	$+^{\nu}Z$	$-^{\nu}V$	$+^{\nu}S$	$+^{\nu}T$	$+^{\nu}iL$	$-^{\nu}iM$	$-^{\nu}iN$	$-^{\nu}iD$	$+^{\nu}iE$	$+^{\nu}iF$	$+^{\nu}iP$	$-^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iU$	$-^{\nu}iX$	$+^{\nu}iY$	$+^{\nu}iZ$	$-^{\nu}iV$	$+^{\nu}iS$	$+^{\nu}iT$	$+^{\nu}L$	$-^{\nu}M$	$-^{\nu}N$	$-^{\nu}D$	$+^{\nu}E$	$+^{\nu}F$	$+^{\nu}P$	$-^{\nu}Q$	$-^{\nu}R$
$^{\mu}V$	$-^{\nu}V$	$+^{\nu}D$	$+^{\nu}E$	$-^{\nu}F$	$+^{\nu}U$	$-^{\nu}T$	$+^{\nu}S$	$+^{\nu}iP$	$+^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iX$	$-^{\nu}iY$	$+^{\nu}iZ$	$-^{\nu}iL$	$-^{\nu}iM$	$+^{\nu}iN$	$-^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iE$	$-^{\nu}iF$	$+^{\nu}iU$	$-^{\nu}iT$	$+^{\nu}iS$	$+^{\nu}P$	$+^{\nu}Q$	$-^{\nu}R$	$-^{\nu}X$	$-^{\nu}Y$	$+^{\nu}Z$	$-^{\nu}L$	$-^{\nu}M$	$+^{\nu}N$
$^{\mu}iX$	$-^{\nu}iX$	$+^{\nu}iU$	$-^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iD$	$+^{\nu}iL$	$-^{\nu}iP$	$+^{\nu}S$	$-^{\nu}N$	$+^{\nu}M$	$+^{\nu}V$	$-^{\nu}F$	$+^{\nu}E$	$-^{\nu}T$	$+^{\nu}R$	$-^{\nu}Q$	$+^{\nu}X$	$-^{\nu}U$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}D$	$-^{\nu}L$	$+^{\nu}P$	$-^{\nu}iS$	$+^{\nu}iN$	$-^{\nu}iM$	$-^{\nu}iV$	$+^{\nu}iF$	$-^{\nu}iE$	$+^{\nu}iT$	$-^{\nu}iR$	$+^{\nu}iQ$
$^{\mu}iY$	$-^{\nu}iY$	$-^{\nu}iZ$	$-^{\nu}iU$	$-^{\nu}iX$	$-^{\nu}iE$	$-^{\nu}iM$	$-^{\nu}iQ$	$+^{\nu}N$	$+^{\nu}S$	$+^{\nu}L$	$+^{\nu}F$	$+^{\nu}V$	$+^{\nu}D$	$+^{\nu}R$	$+^{\nu}T$	$+^{\nu}P$	$+^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}U$	$+^{\nu}X$	$+^{\nu}E$	$+^{\nu}M$	$+^{\nu}Q$	$-^{\nu}iN$	$-^{\nu}iS$	$-^{\nu}iL$	$-^{\nu}iF$	$-^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iR$	$-^{\nu}iT$	$-^{\nu}iP$
$^{\mu}iZ$	$-^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iX$	$-^{\nu}iU$	$+^{\nu}iF$	$-^{\nu}iN$	$+^{\nu}iR$	$-^{\nu}M$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}E$	$+^{\nu}D$	$-^{\nu}V$	$+^{\nu}Q$	$+^{\nu}P$	$-^{\nu}T$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}X$	$+^{\nu}U$	$-^{\nu}F$	$+^{\nu}N$	$-^{\nu}R$	$+^{\nu}iM$	$+^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iE$	$-^{\nu}iD$	$+^{\nu}iV$	$-^{\nu}iQ$	$-^{\nu}iP$	$+^{\nu}iT$
$^{\mu}iP$	$-^{\nu}iP$	$-^{\nu}iT$	$+^{\nu}iR$	$+^{\nu}iQ$	$-^{\nu}iL$	$+^{\nu}iD$	$+^{\nu}iX$	$-^{\nu}V$	$+^{\nu}F$	$+^{\nu}E$	$+^{\nu}S$	$-^{\nu}N$	$-^{\nu}M$	$-^{\nu}U$	$+^{\nu}Z$	$+^{\nu}Y$	$+^{\nu}P$	$+^{\nu}T$	$-^{\nu}R$	$-^{\nu}Q$	$+^{\nu}L$	$-^{\nu}D$	$-^{\nu}X$	$+^{\nu}iV$	$-^{\nu}iF$	$-^{\nu}iE$	$-^{\nu}iS$	$+^{\nu}iN$	$+^{\nu}iM$	$+^{\nu}iU$	$-^{\nu}iZ$	$-^{\nu}iY$
$^{\mu}iQ$	$-^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iT$	$-^{\nu}iP$	$+^{\nu}iM$	$-^{\nu}iE$	$+^{\nu}iY$	$-^{\nu}F$	$-^{\nu}V$	$+^{\nu}D$	$+^{\nu}N$	$+^{\nu}S$	$-^{\nu}L$	$+^{\nu}Z$	$+^{\nu}U$	$-^{\nu}X$	$+^{\nu}Q$	$-^{\nu}R$	$-^{\nu}T$	$+^{\nu}P$	$-^{\nu}M$	$+^{\nu}E$	$-^{\nu}Y$	$+^{\nu}iF$	$+^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iN$	$-^{\nu}iS$	$+^{\nu}iL$	$-^{\nu}iZ$	$-^{\nu}iU$	$+^{\nu}iX$
$^{\mu}iR$	$-^{\nu}iR$	$-^{\nu}iQ$	$-^{\nu}iP$	$-^{\nu}iT$	$-^{\nu}iN$	$-^{\nu}iF$	$-^{\nu}iZ$	$+^{\nu}E$	$+^{\nu}D$	$+^{\nu}V$	$+^{\nu}M$	$+^{\nu}L$	$+^{\nu}S$	$+^{\nu}Y$	$+^{\nu}X$	$+^{\nu}U$	$+^{\nu}R$	$+^{\nu}Q$	$+^{\nu}P$	$+^{\nu}T$	$+^{\nu}N$	$+^{\nu}F$	$+^{\nu}Z$	$-^{\nu}iE$	$-^{\nu}iD$	$-^{\nu}iV$	$-^{\nu}iM$	$-^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iY$	$-^{\nu}iX$	$-^{\nu}iU$
$^{\mu}iD$	$-^{\nu}iD$	$-^{\nu}iV$	$-^{\nu}iF$	$-^{\nu}iE$	$-^{\nu}iX$	$-^{\nu}iP$	$-^{\nu}iL$	$+^{\nu}T$	$+^{\nu}R$	$+^{\nu}Q$	$+^{\nu}U$	$+^{\nu}Z$	$+^{\nu}Y$	$+^{\nu}S$	$+^{\nu}N$	$+^{\nu}M$	$+^{\nu}D$	$+^{\nu}V$	$+^{\nu}F$	$+^{\nu}E$	$+^{\nu}X$	$+^{\nu}P$	$+^{\nu}L$	$-^{\nu}iT$	$-^{\nu}iR$	$-^{\nu}iQ$	$-^{\nu}iU$	$-^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iS$	$-^{\nu}iN$	$-^{\nu}iM$
$^{\mu}iE$	$-^{\nu}iE$	$+^{\nu}iF$	$-^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iY$	$+^{\nu}iQ$	$-^{\nu}iM$	$+^{\nu}R$	$-^{\nu}T$	$+^{\nu}P$	$+^{\nu}Z$	$-^{\nu}U$	$+^{\nu}X$	$-^{\nu}N$	$+^{\nu}S$	$-^{\nu}L$	$+^{\nu}E$	$-^{\nu}F$	$+^{\nu}V$	$-^{\nu}D$	$-^{\nu}Y$	$-^{\nu}Q$	$+^{\nu}M$	$-^{\nu}iR$	$+^{\nu}iT$	$-^{\nu}iP$	$-^{\nu}iZ$	$+^{\nu}iU$	$-^{\nu}iX$	$+^{\nu}iN$	$-^{\nu}iS$	$+^{\nu}iL$
$^{\mu}iF$	$-^{\nu}iF$	$-^{\nu}iE$	$+^{\nu}iD$	$+^{\nu}iV$	$-^{\nu}iZ$	$+^{\nu}iR$	$+^{\nu}iN$	$-^{\nu}Q$	$+^{\nu}P$	$+^{\nu}T$	$+^{\nu}Y$	$-^{\nu}X$	$-^{\nu}U$	$-^{\nu}M$	$+^{\nu}L$	$+^{\nu}S$	$+^{\nu}F$	$+^{\nu}E$	$-^{\nu}D$	$-^{\nu}V$	$+^{\nu}Z$	$-^{\nu}R$	$-^{\nu}N$	$+^{\nu}iQ$	$-^{\nu}iP$	$-^{\nu}iT$	$-^{\nu}iY$	$+^{\nu}iX$	$+^{\nu}iU$	$+^{\nu}iM$	$-^{\nu}iL$	$-^{\nu}iS$
$^{\mu}iS$	$-^{\nu}iS$	$-^{\nu}iL$	$-^{\nu}iM$	$-^{\nu}iN$	$-^{\nu}iT$	$-^{\nu}iU$	$-^{\nu}iV$	$+^{\nu}X$	$+^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}P$	$+^{\nu}Q$	$+^{\nu}R$	$+^{\nu}D$	$+^{\nu}E$	$+^{\nu}F$	$+^{\nu}S$	$+^{\nu}L$	$+^{\nu}M$	$+^{\nu}N$	$+^{\nu}T$	$+^{\nu}U$	$+^{\nu}V$	$-^{\nu}iX$	$-^{\nu}iY$	$-^{\nu}iZ$	$-^{\nu}iP$	$-^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iD$	$-^{\nu}iE$	$-^{\nu}iF$
$^{\mu}iL$	$+^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iN$	$+^{\nu}iM$	$-^{\nu}iP$	$+^{\nu}iX$	$-^{\nu}iD$	$+^{\nu}U$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}T$	$-^{\nu}R$	$+^{\nu}Q$	$-^{\nu}V$	$-^{\nu}F$	$+^{\nu}E$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}N$	$-^{\nu}M$	$+^{\nu}P$	$-^{\nu}X$	$+^{\nu}D$	$-^{\nu}iU$	$-^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iT$	$+^{\nu}iR$	$-^{\nu}iQ$	$+^{\nu}iV$	$+^{\nu}iF$	$-^{\nu}iE$
$^{\mu}iM$	$+^{\nu}iM$	$+^{\nu}iN$	$-^{\nu}iS$	$-^{\nu}iL$	$+^{\nu}iQ$	$-^{\nu}iY$	$-^{\nu}iE$	$+^{\nu}Z$	$-^{\nu}U$	$-^{\nu}X$	$-^{\nu}R$	$+^{\nu}T$	$+^{\nu}P$	$+^{\nu}F$	$-^{\nu}V$	$-^{\nu}D$	$-^{\nu}M$	$-^{\nu}N$	$+^{\nu}S$	$+^{\nu}L$	$-^{\nu}Q$	$+^{\nu}Y$	$+^{\nu}E$	$-^{\nu}iZ$	$+^{\nu}iU$	$+^{\nu}iX$	$+^{\nu}iR$	$-^{\nu}iT$	$-^{\nu}iP$	$-^{\nu}iF$	$+^{\nu}iV$	$+^{\nu}iD$
$^{\mu}iN$	$+^{\nu}iN$	$-^{\nu}iM$	$+^{\nu}iL$	$-^{\nu}iS$	$-^{\nu}iR$	$-^{\nu}iZ$	$+^{\nu}iF$	$-^{\nu}Y$	$+^{\nu}X$	$-^{\nu}U$	$-^{\nu}Q$	$+^{\nu}P$	$-^{\nu}T$	$+^{\nu}E$	$-^{\nu}D$	$+^{\nu}V$	$-^{\nu}N$	$+^{\nu}M$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}R$	$+^{\nu}Z$	$-^{\nu}F$	$+^{\nu}iY$	$-^{\nu}iX$	$+^{\nu}iU$	$+^{\nu}iQ$	$-^{\nu}iP$	$+^{\nu}iT$	$-^{\nu}iE$	$+^{\nu}iD$	$-^{\nu}iV$
$^{\mu}iT$	$+^{\nu}iT$	$-^{\nu}iP$	$+^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iS$	$-^{\nu}iV$	$+^{\nu}iU$	$-^{\nu}D$	$+^{\nu}E$	$-^{\nu}F$	$-^{\nu}L$	$+^{\nu}M$	$-^{\nu}N$	$+^{\nu}X$	$-^{\nu}Y$	$+^{\nu}Z$	$-^{\nu}T$	$+^{\nu}P$	$-^{\nu}Q$	$+^{\nu}R$	$+^{\nu}S$	$+^{\nu}V$	$-^{\nu}U$	$+^{\nu}iD$	$-^{\nu}iE$	$+^{\nu}iF$	$+^{\nu}iL$	$-^{\nu}iM$	$+^{\nu}iN$	$-^{\nu}iX$	$+^{\nu}iY$	$-^{\nu}iZ$
$^{\mu}iU$	$+^{\nu}iU$	$+^{\nu}iX$	$-^{\nu}iY$	$-^{\nu}iZ$	$+^{\nu}iV$	$-^{\nu}iS$	$-^{\nu}iT$	$+^{\nu}L$	$-^{\nu}M$	$-^{\nu}N$	$-^{\nu}D$	$+^{\nu}E$	$+^{\nu}F$	$+^{\nu}P$	$-^{\nu}Q$	$-^{\nu}R$	$-^{\nu}U$	$-^{\nu}X$	$+^{\nu}Y$	$+^{\nu}Z$	$-^{\nu}V$	$+^{\nu}S$	$+^{\nu}T$	$-^{\nu}iL$	$+^{\nu}iM$	$+^{\nu}iN$	$+^{\nu}iD$	$-^{\nu}iE$	$-^{\nu}iF$	$-^{\nu}iP$	$+^{\nu}iQ$	$+^{\nu}iR$
$^{\mu}iV$	$+^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iE$	$+^{\nu}iF$	$-^{\nu}iU$	$+^{\nu}iT$	$-^{\nu}iS$	$+^{\nu}P$	$+^{\nu}Q$	$-^{\nu}R$	$-^{\nu}X$	$-^{\nu}Y$	$+^{\nu}Z$	$-^{\nu}L$	$-^{\nu}M$	$+^{\nu}N$	$-^{\nu}V$	$+^{\nu}D$	$+^{\nu}E$	$-^{\nu}F$	$+^{\nu}U$	$-^{\nu}T$	$+^{\nu}S$	$-^{\nu}iP$	$-^{\nu}iQ$	$+^{\nu}iR$	$+^{\nu}iX$	$+^{\nu}iY$	$-^{\nu}iZ$	$+^{\nu}iL$	$+^{\nu}iM$	$-^{\nu}iN$
$^{\mu}X$	$+^{\nu}X$	$-^{\nu}U$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}D$	$-^{\nu}L$	$+^{\nu}P$	$+^{\nu}iS$	$-^{\nu}iN$	$+^{\nu}iM$	$+^{\nu}iV$	$-^{\nu}iF$	$+^{\nu}iE$	$-^{\nu}iT$	$+^{\nu}iR$	$-^{\nu}iQ$	$+^{\nu}iX$	$-^{\nu}iU$	$+^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iD$	$-^{\nu}iL$	$+^{\nu}iP$	$+^{\nu}S$	$-^{\nu}N$	$+^{\nu}M$	$+^{\nu}V$	$-^{\nu}F$	$+^{\nu}E$	$-^{\nu}T$	$+^{\nu}R$	$-^{\nu}Q$
$^{\mu}Y$	$+^{\nu}Y$	$+^{\nu}Z$	$+^{\nu}U$	$+^{\nu}X$	$+^{\nu}E$	$+^{\nu}M$	$+^{\nu}Q$	$+^{\nu}iN$	$+^{\nu}iS$	$+^{\nu}iL$	$+^{\nu}iF$	$+^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iR$	$+^{\nu}iT$	$+^{\nu}iP$	$+^{\nu}iY$	$+^{\nu}iZ$	$+^{\nu}iU$	$+^{\nu}iX$	$+^{\nu}iE$	$+^{\nu}iM$	$+^{\nu}iQ$	$+^{\nu}N$	$+^{\nu}S$	$+^{\nu}L$	$+^{\nu}F$	$+^{\nu}V$	$+^{\nu}D$	$+^{\nu}R$	$+^{\nu}T$	$+^{\nu}P$
$^{\mu}Z$	$+^{\nu}Z$	$-^{\nu}Y$	$-^{\nu}X$	$+^{\nu}U$	$-^{\nu}F$	$+^{\nu}N$	$-^{\nu}R$	$-^{\nu}iM$	$-^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iE$	$+^{\nu}iD$	$-^{\nu}iV$	$+^{\nu}iQ$	$+^{\nu}iP$	$-^{\nu}iT$	$+^{\nu}iZ$	$-^{\nu}iY$	$-^{\nu}iX$	$+^{\nu}iU$	$-^{\nu}iF$	$+^{\nu}iN$	$-^{\nu}iR$	$-^{\nu}M$	$-^{\nu}L$	$+^{\nu}S$	$+^{\nu}E$	$+^{\nu}D$	$-^{\nu}V$	$+^{\nu}Q$	$+^{\nu}P$	$-^{\nu}T$
$^{\mu}P$	$+^{\nu}P$	$+^{\nu}T$	$-^{\nu}R$	$-^{\nu}Q$	$+^{\nu}L$	$-^{\nu}D$	$-^{\nu}X$	$-^{\nu}iV$	$+^{\nu}iF$	$+^{\nu}iE$	$+^{\nu}iS$	$-^{\nu}iN$	$-^{\nu}iM$	$-^{\nu}iU$	$+^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iP$	$+^{\nu}iT$	$-^{\nu}iR$	$-^{\nu}iQ$	$+^{\nu}iL$	$-^{\nu}iD$	$-^{\nu}iX$	$-^{\nu}V$	$+^{\nu}F$	$+^{\nu}E$	$+^{\nu}S$	$-^{\nu}N$	$-^{\nu}M$	$-^{\nu}U$	$+^{\nu}Z$	$+^{\nu}Y$
$^{\mu}Q$	$+^{\nu}Q$	$-^{\nu}R$	$-^{\nu}T$	$+^{\nu}P$	$-^{\nu}M$	$+^{\nu}E$	$-^{\nu}Y$	$-^{\nu}iF$	$-^{\nu}iV$	$+^{\nu}iD$	$+^{\nu}iN$	$+^{\nu}iS$	$-^{\nu}iL$	$+^{\nu}iZ$	$+^{\nu}iU$	$-^{\nu}iX$	$+^{\nu}iQ$	$-^{\nu}iR$	$-^{\nu}iT$	$+^{\nu}iP$	$-^{\nu}iM$	$+^{\nu}iE$	$-^{\nu}iY$	$-^{\nu}F$	$-^{\nu}V$	$+^{\nu}D$	$+^{\nu}N$	$+^{\nu}S$	$-^{\nu}L$	$+^{\nu}Z$	$+^{\nu}U$	$-^{\nu}X$
$^{\mu}R$	$+^{\nu}R$	$+^{\nu}Q$	$+^{\nu}P$	$+^{\nu}T$	$+^{\nu}N$	$+^{\nu}F$	$+^{\nu}Z$	$+^{\nu}iE$	$+^{\nu}iD$	$+^{\nu}iV$	$+^{\nu}iM$	$+^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iY$	$+^{\nu}iX$	$+^{\nu}iU$	$+^{\nu}iR$	$+^{\nu}iQ$	$+^{\nu}iP$	$+^{\nu}iT$	$+^{\nu}iN$	$+^{\nu}iF$	$+^{\nu}iZ$	$+^{\nu}E$	$+^{\nu}D$	$+^{\nu}V$	$+^{\nu}M$	$+^{\nu}L$	$+^{\nu}S$	$+^{\nu}Y$	$+^{\nu}X$	$+^{\nu}U$
$^{\mu}D$	$+^{\nu}D$	$+^{\nu}V$	$+^{\nu}F$	$+^{\nu}E$	$+^{\nu}X$	$+^{\nu}P$	$+^{\nu}L$	$+^{\nu}iT$	$+^{\nu}iR$	$+^{\nu}iQ$	$+^{\nu}iU$	$+^{\nu}iZ$	$+^{\nu}iY$	$+^{\nu}iS$	$+^{\nu}iN$	$+^{\nu}iM$	$+^{\nu}iD$	$+^{\nu}iV$	$+^{\nu}iF$	$+^{\nu}iE$	$+^{\nu}iX$	$+^{\nu}iP$	$+^{\nu}iL$	$+^{\nu}T$	$+^{\nu}R$	$+^{\nu}Q$	$+^{\nu}U$	$+^{\nu}Z$	$+^{\nu}Y$	$+^{\nu}S$	$+^{\nu}N$	$+^{\nu}M$
$^{\mu}E$	$+^{\nu}E$	$-^{\nu}F$	$+^{\nu}V$	$-^{\nu}D$	$-^{\nu}Y$	$-^{\nu}Q$	$+^{\nu}M$	$+^{\nu}iR$	$-^{\nu}iT$	$+^{\nu}iP$	$+^{\nu}iZ$	$-^{\nu}iU$	$+^{\nu}iX$	$-^{\nu}iN$	$+^{\nu}iS$	$-^{\nu}iL$	$+^{\nu}iE$	$-^{\nu}iF$	$+^{\nu}iV$	$-^{\nu}iD$	$-^{\nu}iY$	$-^{\nu}iQ$	$+^{\nu}iM$	$+^{\nu}R$	$-^{\nu}T$	$+^{\nu}P$	$+^{\nu}Z$	$-^{\nu}U$	$+^{\nu}X$	$-^{\nu}N$	$+^{\nu}S$	$-^{\nu}L$
$^{\mu}F$	$+^{\nu}F$	$+^{\nu}E$	$-^{\nu}D$	$-^{\nu}V$	$+^{\nu}Z$	$-^{\nu}R$	$-^{\nu}N$	$-^{\nu}iQ$	$+^{\nu}iP$	$+^{\nu}iT$	$+^{\nu}iY$	$-^{\nu}iX$	$-^{\nu}iU$	$-^{\nu}iM$	$+^{\nu}iL$	$+^{\nu}iS$	$+^{\nu}iF$	$+^{\nu}iE$	$-^{\nu}iD$	$-^{\nu}iV$	$+^{\nu}iZ$	$-^{\nu}iR$	$-^{\nu}iN$	$-^{\nu}Q$	$+^{\nu}P$	$+^{\nu}T$	$+^{\nu}Y$	$-^{\nu}X$	$-^{\nu}U$	$-^{\nu}M$	$+^{\nu}L$	$+^{\nu}S$
$^{\lambda}S$	$-S$	$-L$	$-M$	$-N$	$-T$	$-U$	$-V$	$-iX$	$-iY$	$-iZ$	$-iP$	$-iQ$	$-iR$	$-iD$	$-iE$	$-iF$	$-iS$	$-iL$	$-iM$	$-iN$	$-iT$	$-iU$	$-iV$	$-X$	$-Y$	$-Z$	$-P$	$-Q$	$-R$	$-D$	$-E$	$-F$
$^{\lambda}L$	$+L$	$-S$	$+N$	$-M$	$-P$	$+X$	$-D$	$-iU$	$+iZ$	$-iY$	$+iT$	$-iR$	$+iQ$	$+iV$	$-iF$	$+iE$	$+iL$	$-iS$	$+iN$	$-iM$	$-iP$	$+iX$	$-iD$	$-U$	$+Z$	$-Y$	$+T$	$-R$	$+Q$	$+V$	$-F$	$+E$
$^{\lambda}M$	$+M$	$-N$	$-S$	$+L$	$+Q$	$-Y$	$-E$	$+iZ$	$+iU$	$-iX$	$-iR$	$-iT$	$+iP$	$+iF$	$+iV$	$-iD$	$+iM$	$-iN$	$-iS$	$+iL$	$+iQ$	$-iY$	$-iE$	$+Z$	$+U$	$-X$	$-R$	$-T$	$+P$	$+F$	$+V$	$-D$
$^{\lambda}N$	$+N$	$+M$	$-L$	$-S$	$-R$	$-Z$	$+F$	$-iY$	$+iX$	$+iU$	$-iQ$	$+iP$	$+iT$	$+iE$	$-iD$	$-iV$	$+iN$	$+iM$	$-iL$	$-iS$	$-iR$	$-iZ$	$+iF$	$-Y$	$+X$	$+U$	$-Q$	$+P$	$+T$	$+E$	$-D$	$-V$
$^{\lambda}T$	$+T$	$-P$	$+Q$	$-R$	$-S$	$+V$	$-U$	$-iD$	$+iE$	$-iF$	$+iL$	$-iM$	$+iN$	$+iX$	$-iY$	$+iZ$	$+iT$	$-iP$	$+iQ$	$-iR$	$-iS$	$+iV$	$-iU$	$-D$	$+E$	$-F$	$+L$	$-M$	$+N$	$+X$	$-Y$	$+Z$
$^{\lambda}U$	$+U$	$+X$	$-Y$	$-Z$	$-V$	$-S$	$+T$	$-iL$	$+iM$	$+iN$	$-iD$	$+iE$	$+iF$	$+iP$	$-iQ$	$-iR$	$+iU$	$+iX$	$-iY$	$-iZ$	$-iV$	$-iS$	$+iT$	$-L$	$+M$	$+N$	$-D$	$+E$	$+F$	$+P$	$-Q$	$-R$
$^{\lambda}V$	$+V$	$-D$	$-E$	$+F$	$+U$	$-T$	$-S$	$+iP$	$+iQ$	$-iR$	$-iX$	$-iY$	$+iZ$	$+iL$	$+iM$	$-iN$	$+iV$	$-iD$	$-iE$	$+iF$	$+iU$	$-iT$	$-iS$	$+P$	$+Q$	$-R$	$-X$	$-Y$	$+Z$	$+L$	$+M$	$-N$
$^{\lambda}iX$	$+iX$	$-iU$	$-iZ$	$+iY$	$+iD$	$-iL$	$-iP$	$-S$	$-N$	$+M$	$+V$	$+F$	$-E$	$-T$	$-R$	$+Q$	$-X$	$+U$	$+Z$	$-Y$	$-D$	$+L$	$+P$	$+iS$	$+iN$	$-iM$	$-iV$	$-iF$	$+iE$	$+iT$	$+iR$	$-iQ$
$^{\lambda}iY$	$+iY$	$-iZ$	$+iU$	$-iX$	$-iE$	$+iM$	$-iQ$	$+N$	$-S$	$+L$	$-F$	$+V$	$-D$	$-R$	$+T$	$-P$	$-Y$	$+Z$	$-U$	$+X$	$+E$	$-M$	$+Q$	$-iN$	$+iS$	$-iL$	$+iF$	$-iV$	$+iD$	$+iR$	$-iT$	$+iP$
$^{\lambda}iZ$	$+iZ$	$+iY$	$+iX$	$+iU$	$+iF$	$+iN$	$+iR$	$-M$	$-L$	$-S$	$-E$	$-D$	$-V$	$-Q$	$-P$	$-T$	$-Z$	$-Y$	$-X$	$-U$	$-F$	$-N$	$-R$	$+iM$	$+iL$	$+iS$	$+iE$	$+iD$	$+iV$	$+iQ$	$+iP$	$+iT$
$^{\lambda}iP$	$+iP$	$+iT$	$+iR$	$+iQ$	$+iL$	$+iD$	$+iX$	$-V$	$-F$	$-E$	$-S$	$-N$	$-M$	$-U$	$-Z$	$-Y$	$-P$	$-T$	$-R$	$-Q$	$-L$	$-D$	$-X$	$+iV$	$+iF$	$+iE$	$+iS$	$+iN$	$+iM$	$+iU$	$+iZ$	$+iY$
$^{\lambda}iQ$	$+iQ$	$+iR$	$-iT$	$-iP$	$-iM$	$-iE$	$+iY$	$+F$	$-V$	$-D$	$+N$	$-S$	$-L$	$-Z$	$+U$	$+X$	$-Q$	$-R$	$+T$	$+P$	$+M$	$+E$	$-Y$	$-iF$	$+iV$	$+iD$	$-iN$	$+iS$	$+iL$	$+iZ$	$-iU$	$-iX$
$^{\lambda}iR$	$+iR$	$-iQ$	$-iP$	$+iT$	$+iN$	$-iF$	$-iZ$	$-E$	$-D$	$+V$	$+M$	$+L$	$-S$	$-Y$	$-X$	$+U$	$-R$	$+Q$	$+P$	$-T$	$-N$	$+F$	$+Z$	$+iE$	$+iD$	$-iV$	$-iM$	$-iL$	$+iS$	$+iY$	$+iX$	$-iU$
$^{\lambda}iD$	$+iD$	$+iV$	$-iF$	$-iE$	$-iX$	$-iP$	$+iL$	$+T$	$-R$	$-Q$	$+U$	$-Z$	$-Y$	$-S$	$+N$	$+M$	$-D$	$-V$	$+F$	$+E$	$+X$	$+P$	$-L$	$-iT$	$+iR$	$+iQ$	$-iU$	$+iZ$	$+iY$	$+iS$	$-iN$	$-iM$
$^{\lambda}iE$	$+iE$	$+iF$	$+iV$	$+iD$	$+iY$	$+iQ$	$+iM$	$-R$	$-T$	$-P$	$-Z$	$-U$	$-X$	$-N$	$-S$	$-L$	$-E$	$-F$	$-V$	$-D$	$-Y$	$-Q$	$-M$	$+iR$	$+iT$	$+iP$	$+iZ$	$+iU$	$+iX$	$+iN$	$+iS$	$+iL$
$^{\lambda}iF$	$+iF$	$-iE$	$+iD$	$-iV$	$-iZ$	$+iR$	$-iN$	$+Q$	$-P$	$+T$	$-Y$	$+X$	$-U$	$-M$	$+L$	$-S$	$-F$	$+E$	$-D$	$+V$	$+Z$	$-R$	$+N$	$-iQ$	$+iP$	$-iT$	$+iY$	$-iX$	$+iU$	$+iM$	$-iL$	$+iS$
$^{\lambda}iS$	$+iS$	$+iL$	$+iM$	$+iN$	$+iT$	$+iU$	$+iV$	$-X$	$-Y$	$-Z$	$-P$	$-Q$	$-R$	$-D$	$-E$	$-F$	$-S$	$-L$	$-M$	$-N$	$-T$	$-U$	$-V$	$+iX$	$+iY$	$+iZ$	$+iP$	$+iQ$	$+iR$	$+iD$	$+iE$	$+iF$
$^{\lambda}iL$	$-iL$	$+iS$	$-iN$	$+iM$	$+iP$	$-iX$	$+iD$	$-U$	$+Z$	$-Y$	$+T$	$-R$	$+Q$	$+V$	$-F$	$+E$	$+L$	$-S$	$+N$	$-M$	$-P$	$+X$	$-D$	$+iU$	$-iZ$	$+iY$	$-iT$	$+iR$	$-iQ$	$-iV$	$+iF$	$-iE$
$^{\lambda}iM$	$-iM$	$+iN$	$+iS$	$-iL$	$-iQ$	$+iY$	$+iE$	$+Z$	$+U$	$-X$	$-R$	$-T$	$+P$	$+F$	$+V$	$-D$	$+M$	$-N$	$-S$	$+L$	$+Q$	$-Y$	$-E$	$-iZ$	$-iU$	$+iX$	$+iR$	$+iT$	$-iP$	$-iF$	$-iV$	$+iD$
$^{\lambda}iN$	$-iN$	$-iM$	$+iL$	$+iS$	$+iR$	$+iZ$	$-iF$	$-Y$	$+X$	$+U$	$-Q$	$+P$	$+T$	$+E$	$-D$	$-V$	$+N$	$+M$	$-L$	$-S$	$-R$	$-Z$	$+F$	$+iY$	$-iX$	$-iU$	$+iQ$	$-iP$	$-iT$	$-iE$	$+iD$	$+iV$
$^{\lambda}iT$	$-iT$	$+iP$	$-iQ$	$+iR$	$+iS$	$-iV$	$+iU$	$-D$	$+E$	$-F$	$+L$	$-M$	$+N$	$+X$	$-Y$	$+Z$	$+T$	$-P$	$+Q$	$-R$	$-S$	$+V$	$-U$	$+iD$	$-iE$	$+iF$	$-iL$	$+iM$	$-iN$	$-iX$	$+iY$	$-iZ$
$^{\lambda}iU$	$-iU$	$-iX$	$+iY$	$+iZ$	$+iV$	$+iS$	$-iT$	$-L$	$+M$	$+N$	$-D$	$+E$	$+F$	$+P$	$-Q$	$-R$	$+U$	$+X$	$-Y$	$-Z$	$-V$	$-S$	$+T$	$+iL$	$-iM$	$-iN$	$+iD$	$-iE$	$-iF$	$-iP$	$+iQ$	$+iR$
$^{\lambda}iV$	$-iV$	$+iD$	$+iE$	$-iF$	$-iU$	$+iT$	$+iS$	$+P$	$+Q$	$-R$	$-X$	$-Y$	$+Z$	$+L$	$+M$	$-N$	$+V$	$-D$	$-E$	$+F$	$+U$	$-T$	$-S$	$-iP$	$-iQ$	$+iR$	$+iX$	$+iY$	$-iZ$	$-iL$	$-iM$	$+iN$
$^{\lambda}X$	$-X$	$+U$	$+Z$	$-Y$	$-D$	$+L$	$+P$	$-iS$	$-iN$	$+iM$	$+iV$	$+iF$	$-iE$	$-iT$	$-iR$	$+iQ$	$-iX$	$+iU$	$+iZ$	$-iY$	$-iD$	$+iL$	$+iP$	$-S$	$-N$	$+M$	$+V$	$+F$	$-E$	$-T$	$-R$	$+Q$
$^{\lambda}Y$	$-Y$	$+Z$	$-U$	$+X$	$+E$	$-M$	$+Q$	$+iN$	$-iS$	$+iL$	$-iF$	$+iV$	$-iD$	$-iR$	$+iT$	$-iP$	$-iY$	$+iZ$	$-iU$	$+iX$	$+iE$	$-iM$	$+iQ$	$+N$	$-S$	$+L$	$-F$	$+V$	$-D$	$-R$	$+T$	$-P$
$^{\lambda}Z$	$-Z$	$-Y$	$-X$	$-U$	$-F$	$-N$	$-R$	$-iM$	$-iL$	$-iS$	$-iE$	$-iD$	$-iV$	$-iQ$	$-iP$	$-iT$	$-iZ$	$-iY$	$-iX$	$-iU$	$-iF$	$-iN$	$-iR$	$-M$	$-L$	$-S$	$-E$	$-D$	$-V$	$-Q$	$-P$	$-T$
$^{\lambda}P$	$-P$	$-T$	$-R$	$-Q$	$-L$	$-D$	$-X$	$-iV$	$-iF$	$-iE$	$-iS$	$-iN$	$-iM$	$-iU$	$-iZ$	$-iY$	$-iP$	$-iT$	$-iR$	$-iQ$	$-iL$	$-iD$	$-iX$	$-V$	$-F$	$-E$	$-S$	$-N$	$-M$	$-U$	$-Z$	$-Y$
$^{\lambda}Q$	$-Q$	$-R$	$+T$	$+P$	$+M$	$+E$	$-Y$	$+iF$	$-iV$	$-iD$	$+iN$	$-iS$	$-iL$	$-iZ$	$+iU$	$+iX$	$-iQ$	$-iR$	$+iT$	$+iP$	$+iM$	$+iE$	$-iY$	$+F$	$-V$	$-D$	$+N$	$-S$	$-L$	$-Z$	$+U$	$+X$
$^{\lambda}R$	$-R$	$+Q$	$+P$	$-T$	$-N$	$+F$	$+Z$	$-iE$	$-iD$	$+iV$	$+iM$	$+iL$	$-iS$	$-iY$	$-iX$	$+iU$	$-iR$	$+iQ$	$+iP$	$-iT$	$-iN$	$+iF$	$+iZ$	$-E$	$-D$	$+V$	$+M$	$+L$	$-S$	$-Y$	$-X$	$+U$
$^{\lambda}D$	$-D$	$-V$	$+F$	$+E$	$+X$	$+P$	$-L$	$+iT$	$-iR$	$-iQ$	$+iU$	$-iZ$	$-iY$	$-iS$	$+iN$	$+iM$	$-iD$	$-iV$	$+iF$	$+iE$	$+iX$	$+iP$	$-iL$	$+T$	$-R$	$-Q$	$+U$	$-Z$	$-Y$	$-S$	$+N$	$+M$
$^{\lambda}E$	$-E$	$-F$	$-V$	$-D$	$-Y$	$-Q$	$-M$	$-iR$	$-iT$	$-iP$	$-iZ$	$-iU$	$-iX$	$-iN$	$-iS$	$-iL$	$-iE$	$-iF$	$-iV$	$-iD$	$-iY$	$-iQ$	$-iM$	$-R$	$-T$	$-P$	$-Z$	$-U$	$-X$	$-N$	$-S$	$-L$
$^{\lambda}F$	$-F$	$+E$	$-D$	$+V$	$+Z$	$-R$	$+N$	$+iQ$	$-iP$	$+iT$	$-iY$	$+iX$	$-iU$	$-iM$	$+iL$	$-iS$	$-iF$	$+iE$	$-iD$	$+iV$	$+iZ$	$-iR$	$+iN$	$+Q$	$-P$	$+T$	$-Y$	$+X$	$-U$	$-M$	$+L$	$-S$

8 Appendix B - Subalgebras with phenomenology corresponding to fermions

In a previous paper, The Pattern of Reality[12], it was found that the phenomenology of the fermions of the standard model could be associated with that of some $SU(2) \times U(1)$ subalgebras of $SL(4, C)$. It was postulated that other $SU(2) \times U(1)$ subalgebras of $SL(4, C)$ could describe the phenomenology of fundamental particles for dark matter, labelled varks. These subalgebras were represented as the product of matrices isomorphic to the quaternions with matrices isomorphic to the complex numbers, as shown in table 2. The same pattern can be assembled with the quaternions extended into octonions, generating right and left handed versions. For example, the entry $SLMN \times SV$ can be extended to $([SLMN],\ ^{\mu}[SLMN]) \times [SV]$ or to $([SLMN],\ ^{\nu}[SLMN]) \times [SV]$.

Table 11. Fermions

Family	Texture	Flavor	Color		
Electron		e	$SLMN \times SV$		
		μ	$SLMN \times ST$		
		τ	$SLMN \times SU$		
Neutrino		ν_e	$SV(TU) \times SL$	$SV(TU) \times SM$	$SV(TU) \times SN$
		ν_μ	$ST(UV) \times SL$	$ST(UV) \times SM$	$ST(UV) \times SN$
		ν_τ	$SU(VT) \times SL$	$SU(VT) \times SM$	$SU(VT) \times SN$
			red	*blue*	*green*
Up Quark		up	$SiEiFL \times SV$	$SiDiFM \times SV$	$SiDiEN \times SV$
		charm	$SiQiRL \times ST$	$SiPiRM \times ST$	$SiPiQN \times ST$
		bottom	$SiYiZL \times SU$	$SiXiZM \times SU$	$SiXiYN \times SU$
Down Quark		down	$SiXiPV \times SL$	$SiYiQV \times SM$	$SiZiRV \times SN$
		strange	$SiDiXT \times SL$	$SiEiYT \times SM$	$SiFiZT \times SN$
		top	$SiPiDU \times SL$	$SiQiEU \times SM$	$SiRiFU \times SN$
			magenta	*yellow*	*cyan*
Sharp vark	Rough	hard	$STiEiY \times SiP$	$STiFiZ \times SiQ$	$STiDiX \times SiR$
		bright	$SUiQiE \times SiX$	$SUiRiF \times SiY$	$SUiPiD \times SiZ$
		cool	$SViYiQ \times SiD$	$SViZiR \times SiE$	$SViXiP \times SiF$
	Smooth	hard	$STiFiZ \times SiP$	$STiDiX \times SiQ$	$STiEiY \times SiR$
		bright	$SUiRiF \times SiX$	$SUiPiD \times SiY$	$SUiQiE \times SiZ$
		cool	$SViRiZ \times SiD$	$SViXiP \times SiE$	$SViYiQ \times SiF$
Round vark	Rough	soft	$SiELiF \times SiP$	$SiFMiD \times SiQ$	$SiDNiE \times SiR$
		dull	$SiQLiR \times SiX$	$SiRMiP \times SiY$	$SiPNiQ \times SiZ$
		warm	$SiYLiZ \times SiD$	$SiZMiX \times SiE$	$SiXNiY \times SiF$
	Smooth	soft	$SiZLiY \times SiP$	$SiXMiZ \times SiQ$	$SiYNiX \times SiR$
		dull	$SiFLiE \times SiX$	$SiDMiF \times SiY$	$SiENiD \times SiZ$
		warm	$SiRLiQ \times SiD$	$SiPMiR \times SiE$	$SiQNiP \times SiF$

9 Appendix C - The Higgs mechanism

It is not obvious how to generate the phenomenology of the Higgs mechanism from simple mathematical structures. Considerations such as the requirement for bosons to have symmetric wave fuctions and the application of Heisenberg groups to their physics suggest investigation of subgroups of Heisenberg groups.

A simple symmetric matrix with four components is the 4×4 diagonal matrix. It's entries could be set to $e^{i\theta_n}$, generating the matrix:

$$\begin{bmatrix} e^{i\alpha} & 0 & 0 & 0 \\ 0 & e^{i\beta} & 0 & 0 \\ 0 & 0 & e^{i\gamma} & 0 \\ 0 & 0 & 0 & e^{i\delta} \end{bmatrix}$$

If $-\delta$ is set equal to $\alpha + \beta + \gamma$, the matrix has unit determinant.
For multiplication, a matrix with similar properties can be found as a subgroup of the Heisenberg group $H3$:

$$\begin{bmatrix} 1 & a & b & d+ab \\ 0 & 1 & 0 & b \\ 0 & 0 & 1 & a \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

Substituting $c = (d+ab)$ this matrix can be written in terms of unit 4×4 matrices as:
$S + a(T+Y)/2 + b(M+R)/2 + c(D+U+N+Q)/4$

For matrices rows and columns can be manipulated whilst maintaining overall properties. In terms of the unit 4×4 matrices, an equivalent manipulation is one which preserves commutation relationships, interchanging rows and columns for an array such as:

S	Z	R	M	L	F
Z	S	V	X	Y	T
R	V	S	P	Q	U
M	X	P	S	N	D
L	Y	Q	N	S	E
F	T	U	D	E	S

For this array, $[TY]$ anticommute with $[ZE]$, $[MR]$ anticommute with $[ZP]$, $[DUNQ]$ anticommute with $[PE]$. If rows and columns of the array are interchanged to:

S	V	T	X	Y	Z
V	S	U	P	Q	R
T	U	S	D	E	F
X	P	D	S	N	M
Y	Q	E	N	S	L
Z	R	F	M	L	S

For this array, $[QR]$ anticommute with $[VL]$, $[TX]$ anticommute with $[VD]$. $[EFMN]$ anticommute with $[LD]$, and matrices with similar properties to:
$S + a(T + Y)/2 + b(M + R)/2 + c(D + U + N + Q)/4$
can be assembled such as:
$S + a(Q + R)/2 + b(T + X)/2 + c(E + F + M + N)/4$
Another possibility is:
$S + a(U + P)/2 + b(Y + Z)/2 + c(E + F + M + N)/4$
These properties include having unit determinant and forming an abelian group isomorphic to that formed by:

$$\begin{bmatrix} 1 & a & b & d+ab \\ 0 & 1 & 0 & b \\ 0 & 0 & 1 & a \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

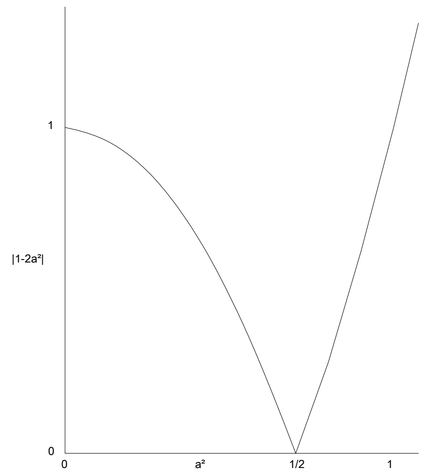
However, for: $[S] + [QR] + [TX] + [EFMN]$ and $[S] + [UP] + [YZ] + [EFMN]$, a matrix with unit determinant can also be represented by:
$\sqrt|(1 \pm 2a^2)|[S] + a[Q + R]/2 + b[V + L]/2 + c[E + F + M + N]/4$
This is also the case for $[S]+[UP]+[YZ]+[EFMN$ and for any similar combination for which the commuting elements diagonally adjacent to the leading diagonal of the array have signature $(-+-)$, including complex combinations such as $[iZPiE]$.

For: $\sqrt|(1 - a^2/2)|[S] + a[Q + R]/2 + b[V + L]/2 + c[E + F + M + N]/4$,
the term in S is:

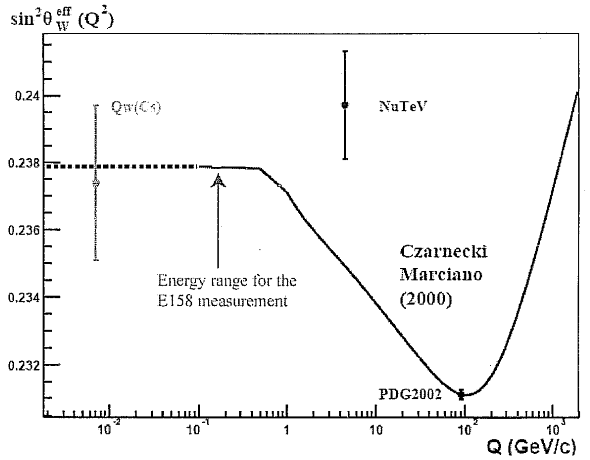
$$\begin{bmatrix} \sqrt(1-a^2/2) & 0 & 0 & 0 \\ 0 & \sqrt(1-a^2/2) & 0 & 0 \\ 0 & 0 & \sqrt(1-a^2/2) & 0 \\ 0 & 0 & 0 & \sqrt(1-a^2/2) \end{bmatrix}$$

The determinant for this matrix $= 1 - 2a^2 + a^4$
which has the form of the Higgs potential.

A plot of $\sqrt|(1 - a^2/2)|$ against a in the range 0 to 2 is shown below:



This has a similar form to a plot of $sin^2\theta_W$ against momentum transfer as shown below.



At this stage I have not investigated the consequences of using octonionic elements instead of matrices.

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