G]W\ Yf\ Y]h'ni Yfgh. 'Dc`]nY]'j YfghÄf_h
DfÄgYbn'VY]'J YfUbghU`hi b[ Yb`]b`< Ua a

B UW`XYa`HYffcfUbgW`U[ `]b`Gc`]b[Yb`Yf\ Ò\h'X]Y`Dc`]nY]'b
< Ua a`X]Y`G]W\ Yf\ Y]hga U» bU\ a Yb`VY]
; fc»j YfUbghU`hi b[ Ybž'i a`ZØf'a Y\ f`GW`i hn'ni`'gcf[Yb"

B UW`XYa`gW`cW\_]YfYbXYb`HYffcfUbgW`U[ `]b`Gc`]b[Yb`[YfÄh'X]Y
G]W\ Yf\ Y]h'VY]'; fc»j YfUbghU`hi b[ Yb`]b`< Ua a`j YfghÄf_h]b`XYb
: c_i`g"8]Y`Dc`]nY]`Uhi`Ub[ Y\_ØbX][ hž`\fY`DfÄgYbn'VY]`_ca`a YbXYb
9j Ybhg`XYi`h]W`ni`Yf\ Ò\Yb"8]YgY`9bhgW`Y]Xi`b[ `]gh`Y]bY
F YU_h]cb`Ui`Z`X]Y`ghY][YbXYb`G]W\ Yf\ Y]hgVYXYb`_Ybž`X]Y`bUW`XYa
J cfZU``Ui`Z[ YhfYhYb`g]bX`i`bX`X]Y`Ni`gW`Ui`Yf`i`bX`HY]`bY\`a`Yf
VYhfcZYb`a`UW`Yb"

6YgcbXYfg`VYhfcZYb`]gh`XYf`VYj`c`fghY\YbXY`5C?!: ]fa`Yb`Ui`Z`XUg
?i`hi`fZYgh`<(`i`bX`XYf`Ghi`b_]Yba`Uf`hž`k`Y`W`Y`Ui`Z[`fi`bX`XYf
U_hi`Y`Yb`G]W\ Yf\ Y]hg`U[Y`VYgcbXYfg`ØVYfk`UW`h`k`YfXYb`gc``Yb"
Dc`]nY]gd`fYW`Yf`<`YbXf]\_`<`Y]bY`VYf]W`hYhYž`XUgg`X]Y
G]W\ Yf\ Y]hg`\_fÄZhY`ZØf`X]Y`UbghY\YbXYb`J`YfUbghU`hi`b[Yb`bi`b
gYbg]V`]g]Yfh`g]bX"

9f\ Ò\ hY`Dc`]nY]dfÄgYbn`i`bX`bYi`Y
G]W\ Yf\ Y]hga U» bU\ a Yb

<Y]bY`ghY``hY`\_`Ufž`XUgg`ni`f`9f\ Ò\i`b[ `XYf`G]W\ Yf\ Y]h`gck`c\`
i`b]Zcfa`]YfhY`U`g`Ui`W`b]W`hi`b]Zcfa`]YfhY`Dc`]nY]`\_fÄZhY`Y]b[YgYmh
k`YfXYb`gc``Yb" `k`]YZYfb`g]W`[YbUi`Yf[ YfYW`bYh'X]Y`NU\`X]YgYf
?fÄZhY`ÄbXYfhž`k`c``hY`<Y]bY`b]W`h`_`cb`_fYh]g]YfYb"8Yb`bc`W
VYhcbhY`Yf`X]Y`gh`ÄbX][Y`?`ca`a`i`b\_]Uh]cb`a`]h`XYa
`k`bYba`]b]ghYf]i`a`i`bX`UbXYfYb`@UbXYgVY\ ÒfXYb" `; Ya`Y]bgUa
UbU`mg]YfYb`g]Y`X]Y`U_hi`Y`Y`G]hi`Uh]cb`i`bX`YfUfVY]hYb`X]Y`VYghYb

G]W\Yf\Y]hg_cbnYdhY"

Ni gÄhn`]W\`d`Ubh`X]Y`GhUXh`ni gUa` a`Yb`a`]h`XYb`J`YfUbgH`hYfb`
Y]bYb`]bhYbg]Yb`5i`ghUi`gW\`j`cf`XYb`9]Ybhgž`i`a`b`chk`YbX][`Y`
5bdUggi`b[`Yb`Ub`XYb`G]W\Yf\Y]hga`U»`bU\`a`Yb`ni`VYgdfYW\Yb`"9]b`
k`]W\h][`Yf`Di`b`\_h`X]YgYf`6YfUhi`b[`]gh`i`bhYf`UbXYfYa`Y]b[`]Yd`UbhYg`
A`YggYfhfU[`Yj`YfVchž`XUg`X]Y`GhUXh`i`bX`X]Y`J`YfUbgH`hYf`ni`j`cf`
VYfY]hg`Ub[`]YXUW\`h`\`UhhYb`"8]YgYg`J`YfVch`gc``g]W\YfghY``Ybž`XUgg`
dchYbn]Y``[`]YZÄ`f`]W\Y`;`Y[`]YbghÄ`bXY`b]W\h`VY]`XYb`
J`YfUbgH`h`i`b[`]Yb`a` ]h[`]YZØ`f`h`k`YfXYb`"

8]Y`G]W\Yf\Y]hg`U[`]Y`Yb`hgW\`Ä`fZY`b`9]b`
6Y]gd]Y``ZØf`X]Y`Ni`\_i`bZh`

9]b`Ä`b`]W\Yg`J`cf[`]Y\`Yb`k`]fX`VYfY]hg`]b`8`cfha`i`bX`i`a`[`]YgYhnhž`k`c`
Yg`Y]b`d`YfgcbYbVYnc[`]YbYg`A`YggYfj`YfVch[`]Vh`8]YgYg`J`YfVch`
VYhf]Zh`VY`_UbbhY`GhfUZh`Ä`hYfž`X]Y`U`g[`]YZÄ`f`]W\`[`]Y`hYb`"DYfgcbYbž`
X]Y`hfchn`X]YgYg`J`YfVch`g`a` ]h`Y]bYa`A`YggYf`Yfk`]gW\`h`k`YfXYbž`
a`ØggYb`a` ]h`Yf\`YV`]W\Yb`;`Y`XghfUZ`Yb`fYW\`bYb`"8Yf`5bgUhn`gc``
XUni`VY]hfU[`]Ybž`XUg`G]W\Yf\Y]hg[`]YZØ`\``]b`XYf`²`ZZYbh`]W\`\_Y]h`ni`
ghÄ`f`_Yb`i`bX`\_f]a`]bY``Yg`J`Yf\`U`hYb`ni`a` ]b]a`]YfYb`"

≠`<`Ua`a`k`i`fXYb`]a`]`Ä`f`&\$&`'`%\$\*`A`YggYfUb[`]f]ZZY`fY[`]ghf]Yfh`
8]Y`Dc`nY]`\`Uh`Ui`Z[`]fi`bX`X]YgYf`U`Ufa`]YfYbXYb`NU`\`Yb`
<`UbX`i`b[`]gVYXUfZ`Yf`_Ubbh`i`bX`UfVY]hYh`Ub`XYf`l`a`gYhni`b[`]Yb`
YbhgdYfW\YbXYf`A`U»`bU\`a`Yb`"8]YgY`9bhk`]W`\_i`b[`]Yb`g]bX`
VYgcbXYfg`k`Yfhj`c``]b`NY]hYbž`]b`XYbYb`j`]Y`Y`A`YbgW\Yb`VY]`
ÖZZYbh`]W\Yb`J`YfUbgH`h`i`b[`]Yb`Y]bY`XYi`h`]W\Y`Ni`bU\`a`Y`Ub`
l`bg]W\Yf\Y]h`Ya`dZ]bXYb`"

8Yf`5C`?!:]fa`Yb`Ui`Zž`XYf`Ua`i`&+`"5i`[`]i`gh`ghUhhZ]bXYb`gc`ž`k`]fX`XYf`
YfghY`HYgh`ZØf`X]Y`bYi`Yb`G]W\Yf\Y]hg_cbnYdhY`gY]b`"A`UfW`g`
<`cgY`a`Ubb`j`cb`XYf`8`cfha`i`bXYf`5`h`\`Yh]Wg`;`a`V<`ž`X]Y`XYb`
:]fa`Yb`Ui`Z`cf[`]Ub]g]Yfhž`Äi`»`YfhY`g]W\`c`d`h]a` ]gh]gW\`ni`XYb`VYfY]hg`
j`cf`XYa`J`cfZU``]b`Gc`]b[`]Yb[`]Yd`UbhYb`G]W\Yf\Y]hga`U»`bU\`a`Yb`
i`bX`VYhcbhYž`XUgg`XUg`HYUa`U``Yg`hi`b`k`YfXYž`i`a`XYb`5VYbX`gc`
fY]Vi`b[`]g`c`g`i`bX`g]W\Yf`k`]Y`a`Ö[`]W\`ni`[`]YghU`hYb`"8UVY]`V`Y]Vh`X]Y`
:`fU[`]Yž`c`V`X]Y`c`\`bY\]b`gW\`c`b`\`c`\Yb`5bZcfXYfi`b[`]Yb`Ub`X]Y`

G]WYf\Y]h'bcW [YghY][Yfh'k YfXYb' _ØbbYbž'c\ bY'XUgg'XUg
J YfUbgH'hi b[gYf'YVb]g'XUfi bhYf'Y]XYh"

⊕ '5bVYhfUW h'XYf'U_hi Y''Yb'G]hi Uh]cb'i bX'XYf' [Ya Y'XYhYb
J cfZÄ''Y']gh'XYf'ZcfXYfbXY'8]U'c['nk]gWYb'Dc`nY]ž'GhUXhi bX
J YfUbgH'hYfb'i bVYX]b[h'bc h'k YbX][ži a 'J YfhfUi Yb'i bX
G]WYf\Y]h'ni fØW_ni [Yk]bbYb''9g'V'Y]Vh'UVni k UfhYbž'k]Y'XUg
?cbnYdh]b'XYf'DfUI]g'i a [YgYhnh'k]fX'i bX'cV'Yg'XYb'Yf\cZzhYb
9ZY_h'Yfn]Y'Yb'_Ubbž'Y]bYb'g]WYfYb'F U\ a Yb'ZØf'XUg'[YgY''[Y
A]hY]bUbXYf'ni 'gW UZZYb"

G]WYf\Y]h'i bX' [YgY''gW UZh`]WY Y
J YfUbhk cfhi b[

8]Y'9f\Ø\i b['XYf'G]WYf\Y]hga U» bU\ a Yb'nY][hj cf'U''Ya 'Y]b
6Yk i gghgY]b'ZØf'X]Y'J YfUbhk cfhi b[ž'X]Y'gck c\''J YfUbgH'hYf'U`g
Ui W'6Y\ØfXYb'hfU[Yb'' ⊕ 'Y]bYf'NY]hž']b'XYf'X]Y'A YbgWYb'Y]b
; YZØ\''XYf'i bVYgWk Yfh\Y]h'VY]'ØZZYbh]WYb'9j Ybhg
ni fØW_Yf'Ub[Yb'a ØW hYbž']gh'Yg'i bYf'Ägg`]W ž'XUgg'X]Y'G]WYf\Y]h
b]W h]b'XYb'<]bhYf[fi bX' [YfÄh''8]Y'6Ya Ø\i b[Yb'i a 'a Y\ f
DfÄgYbn'i bX'dfÄj Ybh]j Y'A U» bU\ a Yb'g]bX'Y]b'GW f]h'h]b'X]Y
f]W h][Y'F]W hi b[ži a 'J YfhfUi Yb'k]YXYf\Yfni ghY''Yb'i bX'XYb
6Øf[Yfb'Y]bY'g]WYfY'HY]'bU\ a Y'Ub'ni _ØbZh][Yb'J YfUbgH'hi b[Yb
ni 'Yfa Ø['WYb"

8]Y'9f\Ø\i b['XYf'Dc`nY]dfÄgYbn']b'<Ua a 'i bX'X]Y'XUa]h
j YfVi bXYbYb'G]WYf\Y]hga U» bU\ a Yb'g]bX'HY]'Y]bYg
i a ZUggYbXYfYb'HfYbXgž'XYf']b'j]Y'Yb'GhÄXhYb'ni 'VYcVUW hYb']gh"
BUW h'Yffc]gh]gWYb'J cfZÄ''Ybž'k]Y'XYa '5bgW'U['b'Gc`]b[Ybž
gY\Yb'g]W'Dc`nY]VY\ØfXYb'[Ynk i b[Ybž']\fy'GhfUH Y[]Yb'ni f
; Yk Ä\ f'Y]ghi b['XYf'ØZZYbh]WYb'G]WYf\Y]h'ni 'ØVYfXYb_Yb"
@c_U'Y'FY []Yfi b[Yb'a ØggYb'ni gUa a Yb'a]h'G]WYf\Y]hg_fÄZhYb
i bX'J YfUbgH'hYfb'j cb'; fc» YfY][b]ggYb'K Y[Y'Z]bXYbž'i a 'X]Y
6YXYb_Yb'XYf'6Yj Ö`_Yfi b['Yfbgh'ni 'bY\ a Yb'i bX' ['Y]W nY]h]['X]Y
[YgY''gW UZh`]WYb'5_h]j]hÄhYb'b]W h'ØVYfa Ä»]['Y]bni gW fÄb_Yb"

J Yf\Ä`hb]g'j cb'G]WYf\Y]h'i bX': fY]\Y]h

8]Y`ÖZZYbh]WXY`K U\fbY\ a i b[`j cb`G]WYf\Y]h`gh`cZh`j cb
A YX]YbVYf]W hYb`i bX`gcn]U`Yb`BYhmk Yf_Yb`VYY]bZi`ggh" `BUW
J cfZÄ`Yb`k]Y`XYa`]b`Gc`]b[Yb`\_ca a h`Yg`\Äi Z][ `ni`Y]bYf`K Y`Y
XYf`6Ygcf[ b]gž`X]Y`g]W`]b`Y]bYf`Yf\Ö\hYb`BUW ZfU[ Y`bUW
G]WYf\Y]hgmg]hYa` Yb`i bX`Y]bYf`j YfghÄf`hYb`8]g_i`gg]cb`ØVYf
dYfgÖb`]WXY`G]WYf\Y]hgj`cf\_Y\fi b[ Yb`b]YXYfgW`Ä[ h`8]Y
J YfUbhk`cfh]WXYb`]b`<Ua`a`g]bX`g]W`X]YgYf`8mbUa` ]\_`VYk`i`ggh
i bX`j`Yfgi`WXYb`ž`gck`c`\`Ui`ZX]Y`U_hi`Y`Yb`G]WYf\Y]hgVYXYb`_Yb
Y]bni` [ Y\Yb`U`g`Ui`W`XUg`J`YfhfUi`Yb`XYf`6Øf[ Yf`]b`X]Y
A U» bU\ a` Yb`ni`ghÄf`_Yb"

8]Y`A U» bU\ a` Yb`XYf`Dc`]nY]ž`Y]bgW`]Y»`]W`XYg`[Yd`UbhYb
A YggYfhfU[Yj`YfVchgž`n]Y`Yb`XUfUi`Z`UVž`dchYbn]Y`Yb`HÄhYfb`X]Y
A]hhY`ZØf`; Yk`U`hhUhYb`ni`Ybhn]Y\Ybž`i`a`X]Y`U`[ Ya`Y]bY
G]WYf\Y]hg`U[ Y`ni`j`YfVYggYfb`"8]Y`9bhk`]W`_i`b[ `X]YgYf`GhfUhY[]Yb
k`]fX`Ui`W`k`Y]hYf\]b`j`cb`XYf`U`[Ya`Y]bYb`ÖZZYbh]WXYb`A`Y]bi`b[
i bX`XYb`gcn]U`Yb`A`YX]Yb`VYY]bZi`gghž`X]Y`Y]bY`Yb`hgWXY]XYbXY
F`c`Y`VY]`XYf`:`cfa`i`]Yfi`b[ `XYf`G]WYf\Y]hgX]g\_i`fgY`gd]Y`Yb"

8 YhU]`g

6Ygi`WXYb`G]Y`i`bg`Ui`Z.`b!U["XY