

6U\ b'gdYffh'GhfYW\_Y'6Yf`]b!< Ua Vi f[ .  
K Ug': U\ f[ ÀghY`^Yhnh'k ]ggYb'a ØggYb

K Y[ Yb'6Ui UfVY]hYb`]gh'X]Y`Ni [ ghfYW\_Y`nk ]gWYb'6Yf`]b'i bX  
< Ua Vi f[ 'UV': fY]hU[ 'ZØf'j ]Yf'A cbUhY'[ YgdYffh"FY]gYbXY  
a ØggYb'l a k Y[ Y'i bX'9fgUhnj Yf\_Y\`f'Y]bd`UbYb"



5i gk ]f\_i b[ Yb'j cb'6Ui UfVY]hYb`Ui Z'XYb  
6U\bj Yf\_Y\`f  
9f\ YV`]WY'9]bgW fÀb\_i b[ Yb`Ui Z'XYf  
GhfYW\_Y'6Yf`]b!< Ua Vi f[ . '9]bY  
< YfUi gZc fXYfi b[ 'ZØf'DYbX`Yf

5V`X]YgYa` : fY]hU[ `k ]fX`X]Y`ghUf\_`ZfYei Ybh]YfhY'6U\bj YfV]bXi b[  
nk ]gWYb'6Yf`]b'i bX`< Ua Vi f[ 'ZØf'a Y\`fYfY'A cbUhY'[ YVUi h`'8 ]YgY  
A U» bU\`a Y`\Uh'k Y]hfY]WYbXY': c`[ Yb'ZØf'nU\`fY]WY': U\ f[ ÀghYž

X]Y`hÀ[ `]Wk`nk ]gWkYb`XYb`VY]XYb`VYXYi hYbXghYb`GhAXhYb  
8Yi hgWk`UbXg`fY]gYb``8]Y`YfghY`j cb`nk Y]`Ub[ Y\_ØbX][ hYb  
GdYffi b[ Yb`VY[ ]bbh]b`?ØfnY`i bX`Vf]b[ h`k ]Wk h][ Y`J YfÅbXYfi b[ Yb  
a ]h`g]Wk``

K Ufi a `X]Y`6Ui UfVY]hYb`Xf]b[ YbX  
bchk YbX][ `g]bX

8]Y`bZfUghfi \_hi f`Ui Z`XYf`GhfYW\_Y`j cb`6Yf`]b`bUWk`<Ua Vi f[ `]gh  
ghUf`\_ØVYfU`hYfh``9]bY`A cXYfb]g]Yfi b[ `]gh`i bUVX]b[ VUfž`XU`X]Y  
`Ài Z][ Yb`J Yfgd`Àhi b[ Yb`i bX`GhØfi b[ Yb`Ui Z`A`Àb[ Y``]b`XYf  
6U`bj Yfv]bXi b[ `ni fØW`ni ZØ`fYb`g]bX``8Yf`6i bX`]bj Ygh]Yfh  
A`]]UfXYb`]b`X]Y`GUb]Yfi b[ ži a `Y]bY`ni j Yf`Àgg][ YfY`i bX  
dØb`\_h]WkYfY`Ni [ j Yfv]bXi b[ `ni `[ Yk`À`f`Y]ghYb``. VYf`` \$\$\$\$  
: U`f[ `ÀghY`bi hnYb`X]YgY`GhfYW\_Y`hÀ[ `]Wk`ž`k Ug`VYXYi hYhž`XUgg`X]Y  
6Ui UfVY]hYb`b]Wk`h`bi f`9]bnY`dYfgcbYb`VYhfY`ZYb`ž`gcbXYfb`Ui Wk  
[ fØ»YfY`[ YgY`gWk`UZh]Wk`Y`i bX`k ]fhgWk`UZh]Wk`Y`?cbgYei YbnYb  
`UVYb`\_ØbbYb``

9]bV`]W\_`]b`X]Y`6Ui UfVY]hYb`i bX`XYfYb  
I a ZUb[

8]Y`j cf[ YgY`YbYb`5fVY]hYb`i a ZUggYb`X]Y`9fbYi Yfi b[ `j cb`ØVYf  
+( `?)`ca YhYf`; `Y]gYb`i bX`fi bX`%\$\$`K Y]WkYb`nk ]gWkYb  
K ]hYbVYf[ Y`i bX`@ Xk ][ g`i gh`gck ]Y`nk ]gWkYb`<Ua Vi f[ `i bX  
6ØWkYb``8]Y`D`Ubi b[ Yb`gWk`fY]VYb`j cfž`XUgg`X]YgY`i a ZUb[ fY]WkYb  
A cXYfb]g]Yfi b[ Yb`V]g`nia `: U`fd`Ubk YWk`gY`Ua`%( ``8YnYa VYf  
UV[ YgWk`cggYb`gY]b`gc`Yb``b`X]YgYf`NY]h`k ]fX`X]Y`Ni [ j Yfv]bXi b[  
Yf`YV`]Wk`Y]b[ YgWk`fÅb`\_hž`i bX`X]Y`j YfÅbXYfhYb`: U`fd`ÅbY`g]bX  
VYfY]hg`cb`]bY`j YfZØ[ VUf``

5`hYfbUh]j Yb`ZØf`X]Y`: U`f[ `ÀghY

8]Y`: YfbnØ[ Y`k YfXYb`k`À`fYbX`XYf`6Ui a U»bU`a Yb`k Ygh]Wk  
ØVYf`GhYbXU`ž`GU`nk YXY`ž`I Y`nYb`i bX`@ØbYVi f[ `i a [ Y`Y]hYhž`k Ug  
X]Y`: U`fnY]h`i a `V]g`ni `( ) `A ]bi hYb`j Yf`Åb[ Yfh``DYbX`Yf`nk ]gWkYb  
<Ua Vi f[ `i bX`K ]hYbVYf[ Y`\_ØbbYb`Ui Z`9fgUhnVi ggY

ni f0W\_[ fY]ZYbž'X]Y`YVYbZU`g`Y]bYb`<U`h]b`@`Xk ][ g`i gh`Y]b`Y[ Yb`  
9]bY`XYfUfh][ Y`l a`Y]hi b[ `ghY`h`Z0f`j ]Y`Y`F Y]gYbXY`Y]bY  
ni g`Àh`n`W`Y`<YfUi gZcfXYfi b[ `XUfž`]bgVYgcbXYfY`Z0f  
6Yfi ZgdYbX`Yfž`X]Y`Ui Z`fY[ Y`a`À»][ Y`J`YfV]bXi b[ Yb`Ub[ Yk ]YgYb  
g]bX`

K Y]hYfY`6Ui ghY`Yb`i bX`XYfYb  
5i gk ]f`\_i b[ Yb

DUFU`Y`ni`XYb`5fVY]hYb`nk ]gW`Yb`6Yf`b`i bX`<Ua`Vi f[ `k ]fX`Ui W`  
X]Y`GhfYW`\_Y`nk ]gW`Yb`<Ua`Vi f[ `i bX`GW`k`Yf]b`V]g`ni a`&- "  
GYdhYa`VYf`hY]`k`Y]gY`gh]`[ Y`Y[ h`K`À`fYbX`X]YgYf`NY]h`k`YfXYb  
\_Y]bY`⇒9!N0[ Y`ZU`fYbž`k`Ug`X]Y`G]hi`Uh]cb`Z0f`F`Y]gYbXY`k`Y]hYf  
\_ca`d`]n]Yfh`

9]b`Ub[ Zf]gh][ Yg`N]Y`.`8]Y`; YbYfU`gUb]Yfi b[

9g`UbXY`hg]W`VY]`X]YgYb`5fVY]hYb`b]W`hi a`X]Y`\_ca`d`YhhY  
; YbYfU`gUb]Yfi b[ `U`Yf`j`YfU`hYhYb`⊕ZfUghfi`\_hi`fž`gcbXYfb`i a  
gdYn]Z]gW`Y`A`U»bU`a`Yb`Ub`ghUf`\_ZfYe`i`Ybh]YfhYb  
GW`Y]bYb`\_cff]XcfYb``8]Y`8Yi`hgW`Y`6U`b`d`Ub`hž`X]Y`⊕ZfUghfi`\_hi`f  
gW`f]h`k`Y]gY`ni`YfbYi`Yfbž`i`a`Y`hnh]W`Y]bYb`VYggYfYb`i`bX  
ni`j`Yf`Àgg][ YfYb`6U`b`j`Yf`\_Y`f`b][`Ub`n`8Yi`hgW`Ub`X`Ub`ni`V]YhYb`  
8Uni`[ Y`À`0fh`Ui`W`X]Y`[ Yd`Ub`hY`GUb]Yfi b[ `XYf`GhfYW`\_Y`<Ua`Vi f[ `!  
6Yf`b`]a`&`f`&`\$`&)`"

8]Y`<YfUi gZcfXYfi b[ `V`Y]Vh

Hfchn`XYf`bchk`YbX][ Yb`A`U»bU`a`Yb`ghY`Yb`:`U`f[ `ÀghY`j`cf`Y]bYf  
D`UgY`Yf`À`hYf`6Y`Ughi b[ Yb`Ui`Z[ fi bX`XYf`6Ui`a`U»bU`a`Yb``8]Y  
j]Y`Yb`l`a`Y]hi b[ Yb`i`bX`9fgUhnj`Yf`\_Y`f`ga`U»bU`a`Yb`g]bX`bi`f  
hYa`dcf`ÀfY`@0gi b[ Ybž`k`À`fYbX`X]Y`6U`b]bZfUghfi`\_hi`f`Ub[ Zf]gh][  
Ui`ZY]b`nY]h[ Ya`À»Yg`B]j`YUi`[ YVfUW`h`k`YfXYb`gc``6]g`X]Y  
:`U`f[ `ÀghY`Y]bY`gd0fVUfY`J`YfVYggYfi b[ `Yf`YVYb`\_0bbYbž`X0fZHY  
Yg`YXcW`bcW`Y]b][ Y`&`fY`XUi`Yfb``8]Y`6U`b`ghY`h`igca`]hj`cf  
XYf`5i`Z[ UVYž`b]W`h`bi`f`X]Y`⊕ZfUghfi`\_hi`f`ni`a`cXYfb]g]YfYbž  
gcbXYfb`Ui`W`XUg`J`YfhfUi`Yb`XYf`:`U`f[ `ÀghY`ni`f0W`ni`[ Yk ]bbYb`

XdU'

4 H\Ya Yb' 'B 5;

8YhU]`g

6Ygi W\Yb'G]Y'i bg'Ui Z.'a Y]b!VYf`]b"bYh