

## K Y`WXYg`@UbX`\Uh`X]Y`gUi VYfghY`@i Zh`XYf K Y`h3

8]Y @ÀbXYfa]hXYfgUi VYfghYb @ ZhXYfK Y`h'k i fXYb']b
Y]bYa 'bYi Yb'6Yf]W\h'[YfUb\_h''K]f'K YfZYb'Y]bYb'6`]W\_Ui Z
X]Y '9f[YVb]ggY @Ui h'XYa 'bYi YghYb'K cf`X'5]f'Ei U`]hm'FYdcfh
j cb' € 5]f'\Uh'X]Y '? Uf]V]\_]bgY`Di Yfhc'F]Wc'X]Y gUi VYfghY'@ Zh
XYf'K Y`h''8Yf'6Yf]W\h'`]ghYh'%\$\*'@ÀbXYf'i bX'; YV]YhY'bUW\
XYa '; Y\U`h'Ub':Y]bghUi V']b'XYf'@ Zh'Ui Z''8]Y
@ Zhj YfgW\a i hni b['ghY``h'bUW\k]Y'j cf'Y]bY'XYf'[fò»hYb
6YXfc\i b[Yb'ZØf'X]Y'a YbgW\`]W\Y'; Ygi bX\Y]h'XUf'i bX
j Yfi fgUW\h'YXYg'\J\f'XYb'HcX'j cb'g]YVYb'A]``]cbYb
A YbgW\Yb''K Y]hYfY'A]``]UfXYb'`Y]XYb'i bhYf'XYb
5i gk]f\_i b[Yb'gW\YW\hYf'@ Zhei U`]hÀh''HUhgÀW\`]W\gW\Ahnh
X]Y'K Y`h[Ygi bX\Y]hgcf[Ub]gUh]cb'fK < C\Z'XUgg'-&i 'XYf
K Y`hVYj Ò`\_Yfi b['[]Zh][Y' Ua d\Y``]d/

8]Y @ÀbXYfa ]h'XYfgUi VYfghYb'@ Zh'XYf'K Y`h'k i fXYb']b'Y]bYa bYi Yb'6Yf]WXh'[YfUb\_h'''K]f'k YfZYb'Y]bYb'6`]W\_'Ui Z'X]Y'9f[YVb]ggY

@Ui h'XYa 'bYi YghYb'K cf`X'5]f'Ei U`]hm'FYdcfh'j cb' € 5]f'\Uh'X]Y ?Uf]V]\_]bgY``Di Yfhc'F]Wc'X]Y'gUi VYfghY'@ Zh'XYf'K Y`h"'8Yf'6Yf]W\h`]ghYh'%\$\*'@ÀbXYf'i bX'; YV]YhY'bUW\'XYa '; Y\U`h'Ub': Y]bghUi V']bXYf'@ Zh'Ui Z'

8]Y'@ Zhj YfgWXa i hni b['ghY``h'bUWX'k]Y'j cf'Y]bY'XYf'[fÒ» hYb6YXfc\i b[Yb'ZØf'X]Y'a YbgWX`]WXY'; Ygi bX\Y]h'XUf'i bXj Yfi fgUWXh'YXYg'\*J\\f'XYb'HcX'j cb'g]YVYb'A]``]cbYb'A YbgWXYb'' KY]hYfY'A]``]UfXYb'`Y]XYb'i bhYf'XYb'5i gk]f\_i b[Yb'gWX`YWXhYf@ Zhei U`]hÀh''HUhgÀWX`]WX'gWXÀhnh'X]Y KY`h[Ygi bX\Y]hgcf[Ub]gUh]cb'fK < CŁZ'XUgg'-&i 'XYf KY`hVYj O`\_Yfi b['[]Zh][Y'@ Zh'Y]bUha Yh''

Di Yfhc 'F ]Wc ž'Y]b 'b]WX h'fYWX hgZÀ\][ Yg 'HYff]hcf]i a 'XYf'J YfY]b][ hYb GhUUhYb ž'\Uh'X]Y 'gUi VYfghY '@i Zh'XYf'K Y`hž'[ YZc`[ h'j ca ZfUb nòg]gWX Yb 'HYff]hcf]i a 'B Yi \_U`YXcb]Yb ']a 'DUn]Z]gWX Yb 'C nYUb a ]h'XYa 'HYff]hcf]i a 'XYf'5a Yf]\_Ub]gWX Yb '\$\dangle\$ b[ ZYfb]bgY`b'Ub Xf]hhYf'GhY``Y"

8]Y'fUb[\OW\ghYb'gcijYfÀbYb'GhUUhYb'g]bX'GW\kYXYb'f('"\tž: ]bb`UbX'f) "\tž'BcfkY[Yb'f\tank"\t2"9gh`UbX'f\+"\tank"\tank" bX'BYigYY`UbX'f\ "\tank"

5a 'UbXYfYb'9bXY'XYg'GdY\_hfi a g'\Uh'6Ub[`UXYgW\'X]Y gW\`YW\hYghY'@'Zhei U`]hÀhž'[YZc`[h'j cb'DU\_]ghUbž'\bX]Ybž'XYf A cb[c`Y]'i bX'5Z[\Ub]ghUb"

## @i Zhei U`]hÀhg]bXYI

8 Yf'6 Yf] W h'Ub U'mg] Yfh'9f[ YVb]ggY'j cb'ØVYf'\* \$"\$\$\$ VYfk UW i b[gghUh] cb Yb'Ui Z'XYf'[ UbnYb'K Y'h'i bX']gh'XUa ]h'X] Y k Y'hk Y]h'[fÒ» hY'nYbhfU`]g] YfhY'D`UhhZcfa 'ni f'A Yggi b['XYf @ Zhei U`]hÀh"

9gʻghØhnhʻg]W. `Ui W. `Ui Zʻ8 UhYbžʻX]Yʻj cbʻHUi gYbXYbʻj cbʻ♣b]h]Uh]j Yb ZØfʻgUi VYfYʻ@i Zhʻ[ YgUa a Y`hʻk i fXYbž'X]Yʻj cbʻFY[ ]Yfi b[ Ybž [ Ya Y]bbØhn][ YbʻCf[ Ub]gUh]cbYbžʻ6Øf[ Yfbž′; Ya Y]bXYbʻi bX Df]j Uhi bhYfbY\a Ybʻj Yfk U`hYhʻk YfXYb″

8 Yf'6Yf]W\h'\_cbnYbhf]Yfh'g]W\'Ui Z'DA &ž)!?cbnYbhfUh]cbYbž'XU'X]Yg XYf'GW\UXghc\Z']ghž'XYf'U``[Ya Y]b'U`g'XYf'gW\ÀX`]W\ghY'\Z\Øf'X]Y a YbgW\`]W\Y'; Ygi bX\Y]h'Ub[YgY\Yb'k]fX"'DA &ž)']gh'XY\Z]b]Yfh'U`g `i \Zh[YhfU[YbY'DUfh]\_Y``a ]h'Y]bYf'; f\Omega\Y'j cb'V]g'ni '&\z\)A ]\_fca YhYfb"'9]b'A ]\_fca YhYf'fbXYf'A ]\_fca YhYf\z\]gh'Y]b A ]``]cbghY``A YhYf'cXYf'Y]b'HUi gYbXghY``A]``]a YhYf'

 $\pm 5 \pm 78 \, ]Y \, V \, U \, I \, Y \, b \, @A \, b \, X \, Y \, f \, Y \, f \, Z \, D \, Y \, b \, U \, Y \, g \, Y \, ]b \, n][ \, Y \, X \, ]Y \, K \, < C \, ! \, F \, ]W \, h \, ]b \, ]Y \, b \, Y \, b \, Y$ 

5i Z[fi bX'gY]bYf'a ]\_fcg\_cd]gWXYb'; fÒ» Y'\_ObbYb'X]Y'DUfh]\_Y`'ØVYf XUg'5ha i b[ggmghYa ']b'XYb'6`i h\_fY]g`Ui Z'[Y`Ub[Yb'i bX'Xi fWX XYb'? OfdYf'k UbXYfbž'k Ug'ni 'Y]bYf'FY]\Y'j cb ; Ygi bX\Y]hgdfcV'Ya Yb'ZØ\fhž'XUfi bhYf'5gh\a Už'@i b[Yb\_fYVg i bX'<YfnYf\_fUb\_i b[Yb"

@i Zhj YfgW\a i hni b[ 'k ]fX'Ui W\a ]h'b]YXf][ Ya '; YVi fhg[ Yk ]W\hž j Yfa Y\fhYb'U\_i hYb'5hYa k Y[ g]bZY\_h]cbYb'i bX'GW\`U[ UbZÀ``Yb']b J YfV]bXi b[ '[ YVfUW\h"

9g'[]Vh'bi f'&) 'XYf'%\$\* 'VYk YfhYhYb'@ÀbXYf'cXYf'; YV]YhYž'X]Y X]YgY'F]W\h`]b]Yb'YfZØ``Yb"

## Ua 'ghÀf\_ghYb'j YfgWXa i hnhYb'GhÀXhY

8 Y f '6 Y f] W h 'Y fghY ``h 'U i W 'Y] b 'F U b \_] b [ 'ZØf 'HU i gY b X Y 'j c b 'GhÀ X h Y b X Y f 'K Y `h " '8 Y `\ ] '[ Y f] Y h '& \$ & \$ 'V Y f Ø \ a h '] b 'X] Y 'G W `U [ n Y] `Y b ž 'U `g 'X] Y GhU X h 'Y] b Y 'X f U gh] g W 'j Y f V Y g g Y f h Y '@ Zhe i U `] h A h 'Y f `Y V h Y ž 'U `g U i Z[ f i b X 'X Y f 'D U b X Y a ] Y '6 Y g W f A b \_ i b [ Y b 'Y] b [ Y ZØ \ f h `k i f X Y b "

 $8 ] Y `GhUXh' \_Y \ fhY `YXc W. `VU`X'ni f' Bcfa U`]h Ah `ni f Ø W \_ ž'U`g'X] Y \\ I a k Y`hj Yfg W a i hni b [ `]a `Bcj Ya V Yf' & $ & $ `Y]b `Bch Z U``b]j Y Ui Yff Y ] W h Y `i b X `X] Y `GhUXh'j cb `X] W h Y a `[ ] Zh][ Ya `Ga c [ `Y]b [ Y \ Ø ``h k i f X Y "$ 

5a ]h'\_[ #G\i hhYfghc\\\\\_'8\Y`\]']gh'\X]Y'\Ua 'gh\\\f\_gh\\b'j\Yfg\\\\a i hnh\\\ < Ui dhgh\UXh'\X\Yf'\K\Y`h

6Ub[`UXYgW\ž'7\]bUž'\DX]Yb'i bX'DU\_]ghUb'hY]`Yb'g]W\'(-'XYf')\$
Ua 'ghÀf\_ghYb'j YfgW\a i hnhYb'GhÀXhY'k Y`hk Y]h'a ]h'bYi b'XYf'%\$
Ua 'ghÀf\_ghYb'j YfgW\a i hnhYb'GhÀXhY'U``Y]b']b'\D''<chUb']b
7\]bU']gh'X]Y'Ua 'ghÀf\_ghYb'j YfgW\a i hnhY'GhUXh'XYf'K Y`hž
k À\fYbX'8Y`\]'X]Y'Ua 'ghÀf\_ghYb'j YfgW\a i hnhY'<Ui dhghUXh'XYf
K Y`h']gh''

<chUbž'7\]bU
; \Un]UVUXž'\DX]Yb
6i `UbXg\U\fž'\DX]Yb
6]gfU\_\'\J\`U`di fž'\DX]Yb
6\]k UX]ž'\DX]Yb
Bc]XUž'\DX]Yb
; fc » fUi a 'Bc]XUž'\DX]Yb
? Ubdi fž'\DX]Yb
@ W\_bck ž'\DX]Yb</pre>
8Y`\]ž'\DX]Yb

5a 'ghÀf\_ghYb'j YfgW\a i hnhY'< Ui dhghÀXhY

8Y`\]ž·\X]Yb
8\U\_Už·6Ub[`UXYgW\
I`UUbVUUhUfž·Acb[c`Y]
?UVi`ž·5Z[\Ub]ghUb
8c\Už·?UhUf
6]gW\\_Y\_ž·?]f[]ghUb
GUfU^Yj cž·6cgb]Yb / '<Yfn"
A UbUa Už·6U\fU]b
\*J\_UfhUž·\XcbYg]Yb
?Uh\a UbXi ž·BYdU`

## @ŸB89FF5B; @=GH9. 'GUi VYfghY'@ Zh'XYf K Y`h

8 Yf'K cf`X'5]f'EiU`]hm'F Ydcfh``]ghYh'%\$\*'@ÀbXYf'ibX'; YV]YhY'UiZ' 5 i g[Y`UggYbY'GhUUhYb'j YfZØ[hYb'b]W\h'ØVYf'[YbØ[YbX VcXYb[YghØhnhY'DA &ž)!A YggghUh]cbYb"

Di Yfhc 'F ]\cz'' "+ B Yi \_U`YXcb]\Ybz'' "+ 5a Yf]\_Ub]g\ck\Y`\\\ b[ \Z\Yfb]\bg\Y`\bz'' "+ G\kk \YX\Ybz') "\$ : ]\bb`\Ub\Xz') "\$

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Bcfk Y[Ybž')"+
9gh`UbXž') "-
BYigYY`UbXž'+"$
€]`UbXŽ+"&
? Ub UX Už + "'
5bXcffUž+"(
5i ghfU^{Y}bž'+"*
9W UXcfž+"*
7 cghU'F ]WUž', "&
; fc» Vf]hUbb]Ybž', "'
≢`UbXž', "*
6Y`[]Ybž', "-
GW k Y ]nž'- "$
@ | Ya Vi f[ ž'- "$
Dcfhi [U`ž'-"%
Figg`UbXž'-"
8ÀbYa Uf_ž-"(
I G5ž'- "*
B | Y X Y f`Ub X Y ž'- "+
*JdUbž'-",
8 Yi hqWX`Ub Xž'%$"%
GdUb]Ybž'%$"(
7 i fuÃucž'%$")
<sup>2</sup> ghYffY]WXž<sup>*</sup>%$"-
: fUb_fY]W\ ž'\%\"\%
GYbY[U`ž'%%"&
@Y hh`Ub X ž'%%"'
@hUi Ybž'%%"+
G]b[Udifž'%%",
A U`hUž'%%",
HgWXYWX]Ybž%&"'
D\]`]dd]bYbž'%&",
5b[c`Už'%' "$
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5f[Ybh]b]Ybž'%("&
I b [ Ufbž<sup>-</sup>%( "'
Ÿh\]cd]Ybž'%("+
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≈fXUb]Ybž'%("-
HU]k Ubž'%) "$
G`ck U_Y ]ž'%) "'
GcbXYfj Yfk U`hi b[gncbY'<cb[_cb[ž'%)"(
?c`i a V]Ybž'%) "*
A U`Umg]Už'%) "*
Fia Àb]Ybž'%) ",
NmdYfbž'%) ",
5`VUb]Ybž'%*"$
=qfUY`ž'%* "-
Dc`Ybž'%* "-
Hi f_a Yb]ghUbž'%+"$
GcbXYfj Yfk U`hi b[gncbY'A UWUi ž'%+",
DY fi ž'%+"-
GØXUZf] Už'%, "$
; f]YWXYb`UbXž'%, "(
±hU`]Ybž'%, ")
Hi f_Y m\%, "+
A YI ]_cž'%, "-
I_fU]bYž'%- "&
; i UhYa U`Už'%- "&
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GØX_cfYUž'%-")
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A UXU[ Ug_Ufž*&$"$
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?Ua VcXgWXUž*&%"%
?fcUh]Ybž'&%"&
H\U]`UbXž'&%"(
? UgUW ghUbž'&%"-
9`ZYbVY]b_ØghYž~&%"-
Gf] @Ub_Už &&"(
@Ucgž*&&"(
GUi X]!5fUV]Ybž'&' "'
GYfV]Ybž'&("'
5fa Yb]Ybž'&( "-
I [ Ub X Už * "%
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Acbhyby[fcž&*"%
; \UbUž<sup>*</sup>&* "-
≠Ubž'&+"&
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J]YhbUa ž'&, "$
JYfY]b][hY'5fUV]qWXY'9a]fUhYž'&-"&
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I gVY_]ghUbž<sup>*</sup>&- "-
BcfXa UnYXcb]Ybž'' $"*
HUXgW\]_]ghUbž''$"-
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7 \ ]b Už⁻¹ ( "+
A U`]ž'' +"-
BYdU`ž'' - "&
6U\fY]bž'' - "+
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?]f[]ghUbž'('")
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Ca Ubž'(("(
5 Z[ \ Ub ]ghUb ž ( * ")
A cb[ c`Y]ž'( * "*
±b X ]Y b ž¹) %"-
DU_]ghUbž<sup>·</sup>) - "$
6Ub[`UXYgW\ž'++"%
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8 Y hU]`c

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'Y]bY!fY]gY "XY