

## J ]gU`ghUfhYh'Dfc [ fUa a `ZØf`B: H! Zc\_i gg]YfhY`l bhYfbY\ a Yf

8 ]Y`GWÅ ÒdZYfk ]fhgWÅ UZh`\ Uh`Y]bY` [ YgWÅ ÅhnhY`A Uf\_h[ fÒ» Y`j cb  
a Y\ f`U`g`%\$\$`A ]``UfXYb`l G!8c``Uf`8 Ug`l bhYfbY\ a Yb`\ Uh  
ni j cf`gY]bY`DUfhbYfgWÅ UZh`a ]h`A ]WÅ\ `æ\ bgcbž`Y]bYa  
Y\Ya U`][ Yb`dfcZYgg]cbY``Yb`6UgYVU``gd]Y`Yf`i bX` ; fØbXYf  
j cb`5\_i ž`VY\_Ubbh[ Y[ YVYb`J ]gU`\ Uh`Y]b`Dfc [ fUa a `]bg  
@YVYb` [ Yfi ZYbž`i a `9fghY``Yfb`j cb`ϕ\ U`hYb`XUVY]`ni ` \Y`ZYbž  
]\f` ; YgWÅ ÅZh`Xi fWÅ `B: Hg`Ui gni VUi Yb``8 Ug  
NU\`i b[ gi bhYfbY\ a Yb`gi WÅ h`bUWÅ`l bhYfbY\ a Yfb`Ui g`XYb  
6YfY]WÅ Yb`?i bghž`A i g]\_ž`A cXY`i bX` : ]`a ž`X]Y`B: Hg`VYfY]hg`]b  
]\fY` ; YgWÅ ÅZhg`a cXY``Y`]bhY [ f]YfYb`cXYf`X]Yg`d`UbYb`  
8Ya bUWÅ`j YfÒZZYbh]WÅ Yb`fi bX`) \$`A ]``cbYb`?Øbgh`Yfž  
A i g]\_Yf`i bX`UbXYfY`ϕ\ U`hY`U`g`9]bbU\ a Yei Y``Y  
G][ bU`ZYi Yf``8 ]Y`GWÅ ÒdZYfk ]fhgWÅ UZh`\ Uh`Y]bY` [ YgWÅ ÅhnhY  
A Uf\_h[ fÒ» Y`j cb`a Y\ f`U`g`%\$\$`A ]``UfXYb`l G!8c``Ufž`gc`Y]b  
/ Ua d^Y``d/

- 8 ]Y`GWÅ ÖdZYfk ]fhgWÅ UZh` \ Uh`Y]bY` [ YgWÅ ÅhnhY`A Uf\_h[ fÖ» Y j cb`a Y`f`U`g`%\$\$`A ]`]UfXYb`I G!8c`Uf
- 8 Ug`I bhYfbY`a Yb` \ Uh`ni j cf`gY]bY`DUfhbYfgWÅ UZh`a ]h A ]WÅ \ `æ \ bgcb`ž`Y]bYa` Y` \ Ya` U`][ Yb`dfcZYgg]cbY`Yb 6UgYVU`gd]Y`Yf`i bX` ; fØbXYf`j cb`5\_i ž`VY`Ubbh`[ Y[ YVYb

J ]gU` \ Uh`Y]b`Dfc[ fUa` a` ]bg`@YVYb`[ Yfi ZYb`ž`i a` `9fghY`Yfb`j cb` Æ \ U`hYb`XUVY]`ni` \ Y`ZYb`ž` \ f` ; YgWÅ ÅZh`Xi fWÅ`B: Hg`Ui`gni`VUi`Yb`"

8 Ug`NU` \ `i b[ gi bhYfbY`a Yb`gi W`h`b`UWÅ`I bhYfbY`a Yfb`Ui`g`XYb 6YfY]WÅYb`?`i bgh`ž`A`i`g]\_ž`A`cXY`i`bX`:` ]a` ž`X]Y`B: Hg`VYfY]hg`]b` ] \ fY ; YgWÅ ÅZh`ga`cXY`Y`]bhY[ f]YfYb`cXYf`X]Yg`d`UbYb`""

8 Ya`bUWÅ`j`YfÖZZYbh`]WÅYb`fi`bX`)`\$`A` ]`]cbYb`?`Øbgh`Yfž`A`i`g]\_Yf` i`bX`UbXYfY` Æ \ U`hY`U`g`9]bbU`a`Yei`Y`Y`G][ bU`ZYi`Yf`"8`]Y GWÅ ÖdZYfk ]fhgWÅ UZh` \ Uh`Y]bY` [ YgWÅ ÅhnhY`A Uf\_h[ fÖ» Y j cb`a Y`f`U`g` %\$\$`A ]`]UfXYb`I G!8c`Ufž`gc`Y]b`6Yf]WÅhj`cb`<`i`V`ZØf` Æ Z`i`Yb`Wf`!` A`Uf`\_`Yh]b[ ` ] [ YŽ`bXYb`""

K ]f` \ UVYb`XUg`B: H!²`\_cgmghYa` `i`bX`gY]bY`dchYbn]Y`Yb 5i`gk ]f`\_i`b[ Yb`Ui`ZX]Y`Ni`\_i`bZh`XYg`<`UbXY`gž`XYg`9]bnY` \ UbXY`g` i`bX`XYf`gcn]U`Yb`A`YX]Yb`i`bhYf`gi`W`h`ž`gU[ hY`7i`m`G` \ YZZ]Y`Xž`<`YUX`cZ`7fmdhc`VY]`J ]gUž`]b`Y]bYf`9f`\_`Åfi`b[ `""`8i`fWÅ`XUg`J ]gU`7fYUhc`f` Dfc[ fUa` `a` ÖW`hYb`k ]f`X]YgYf`bYi`Yb`5fh`j`cb`?`Y]b!`i`bX` ?`Y]bghi`bhYfbY`a`Yb`XUVY]` \ Y`ZYb`ž`bYi`Y`A`YX]Yb`ZØf`XYb`X][ ]hU`Yb` <`UbXY`ni` `YfgWÅ`]Y»`Yb`"

J ]gU` \ Uh`gY]bY` Æ Y`Y`ZØf`XUg`7fYUhc`f!`Dfc[ fUa` a` `Yfgha`U`g`]a` C`\_hc`VYf`j`cf[ YghY`h`"8`Ug`I`bhYfbY`a`Yb`ghY`h`XUa`U`g`gY]bY` DUfhbYfgWÅ UZh`a` ]h`A` ]WÅ \ `æ \ bgcb`ZYgh`ž`Y]bYa` Y` \ Ya` U`][ Yb` dfcZYgg]cbY`Yb`6UgYVU`gd]Y`Yf`ž`XYf`Y]b`I`bhYf` \ U`hi`b[ g!`i`bX` A`YX]Ybi`bhYfbY`a`Yb`[ fØbXYhY`5`\_i`"

⊕XYbZfØYbHU[ Yb'a Y]bYfB: H!Uff]YfY\UVY]W' a ]W'Ui Z  
Y]bY; Ya Y]bgWUZhj cb'B: H!9I dYfhYb'i bX!6YZØfk cfhYfb  
j YfUggYbž'i a 'a ]W' ]bXYf' bYi Yb'K Y'h'ni 'j YfUb\_Yfb ž'gU[ hY  
⊕\bgcb ]b'Y]bYf'9f\_`Äfi b[" ⊕W'ZFYi Y'a ]W'XUfUi Zž'a ]h'J]gU  
ni gUa a Ybni UfVY]hYbž'i a 'Ui ZghfYVYbXYb' ?ØbghYfbž'X]Y'g]W'Ui Z  
]fY'B: H!FY]gY'VY[ YVYbž'X]YgY'VY'5fhj cb'A Ybhcf]b[  
Ubni V]YhYb"

8 Ug'Dfc[ fUa a 'n]Y'h'XUfUi ZUVž'Ui g[ Yk Ä`hYb'9bhk ]W\_Yfb'XUVY]  
ni `Y`ZYbž' ]fY'?Ybbhb]ggY'ja '?fmdhc!< UbXY`i bX' ]b  
hfUX]h]cbY`Yb'NU`i b[ Yb'ni 'j Yfh]YZYb ž'gc'XUg'i bhYfbY\ a Yb"

8 ]Y'?c\cfhY'XYf'9bhk ]W\_Yf'k ]fX' \_Y]b' [ Ybi [ 'gY]bž'i a 'XYb  
5i ZVUi 'j cb'; Ya Y]bgWUZhYb'ni 'Yf'Y]W'hYfb'i bX'hYW'k]gWYg  
A Ybhcf]b[ 'ni 'i bhYfghØhnYb ž'gU[ hY'Y]b'J]gU!GdfYW'Yf'[ Y[ YbØVYf  
6`cW\_k cf\_g"8]Y'Yb][ Yb'a ]h' ]bgd]f]YfYbXYb'a ]gg]cbgVUg]YfhYb  
; YgW]W'hYb' k YfXYb'Ui g[ Yk Ä`hž'ZØ[ hY'XYf'J YfhfYhYf'\ ]bni "

9]b'Gh]dYbX]i a ž'XUg'J]gU'b]W'h'bÄ`Yf'gdYn]Z]n]YfYb'k c`hYž'k ]fX  
XYb'9bhk ]W\_Yfb'XYg'Dfc[ fUa a g'YVYbZU`g'Ub[ YVchYb"

8 Ug'HYUa 'j cb'?fmdhc!DfcXi \_h'i bX'GhfUHY[ ]Y'Y]hYfb'j cb'J]gU  
k ]fX'H\Ya Yb'k ]Y'X]Y'6Yk Yfhi b[ 'j cb'?ca dfca ]ggYb'nk ]gWYb  
ni [ fi bXY`Y[ YbXYb'6`cW\_WU]b!BYh'k Yf\_Ybž'Ga Ufh'7cbhfUWhg  
i bX'B: H!A Uf\_hd`ÄhnYb'VY\UbXY'b"

8 Ug'i bhYfbY\ a Yb'k ]fX'9bhk ]W\_Yfb'Ui W' A Ø[ `]W\_Y]hYb'V]YhYbž  
a ]h'?i bXYb'i bX'DUf'hbYfb'j cb'J]gU' ]b'?cbhU\_h'ni 'hfYhYb"

8 Yf'Dfc[ fUa a ghUfh'YfZc`[ hž'bUW'XYa 'J]gU'ja '5i [ i gh'Y]bYb  
7fmdhcDi b\_ZØf'%) "\$\$\$`~ ' ]b'9h\YfYi a '[ Y\_Ui Zh'\UhhY"G\YZZ]Y'X  
VYa Yf\_hY'XUa U`gž'XUgg'XUg'i bhYfbY\ a Yb'Yg'[ Y\_Ui Zh'\UVYž'i a  
Ui g'YfghYf'< UbX'Y]b'J YfghAbXb]g'XYf'⊕ZfUghfi \_hi fUbZcfXYfi b[ Yb  
ZØf'Y]bY'[ `cVU'Y'A Uf\_Y'ni 'Yf\U'hYbž'i a 'Y]b'B: H'ni ' \_Ui ZYbž'ni  
gdY]W'Yfb'i bX'ni 'bi hnYb "

J]gU'\Uh\_Øfn']W'Ui W'Y]bY'?fmdhc!6YfUhi b[ gdfUI ]g'[ Y[ fØbXYhž  
i a 'gY]bYb'?i bXYb'i bX'DUf'hbYfb'XUVY]ni `Y`ZYbž'dchYbn]Y`Y

A Ò[ `]W\_X]hYb`]b`X]YgYa `6YfY]W`ni `VYk YfhYb`i bX`ni `j YfZc`[ Yb"

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""

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8 Ug`Dcgh!J ]gU!GhUfhdfc[ fUa a `ZØf`B: H!Zc\_i gg]YfhY`l bhYfbY`a Yf  
]gh`\_Y]bY`Z]bUbn]Y``Y`6YfUhi b[ "

8 YhU]`g

6Ygi W\_X Yb`G]Y`i bg`Ui Z.`\_fmdhc!bYk g"Uh