

7cbgYbGmg`d`Ub hž'A YhUA Ug\_`bYi`ni  
[ YghU`hYb`i bX`\* \$\$`bYi Y`A ]hUfVY]hYf  
Y]bni ghY``Yb

A YhUA Ug\_`Uh]a`'Jbi Uf'' \$`A ]``cbYb`a cbUh]W`U\_h]j Y  
6Ybi hnYf`]b`XYb`GW`UhhYb`[ YghY`h`8Yf`9f`Òg`Ui g`XYf`Fi bXYž  
Ub[ YZØ\fhj cb`DUfU: ]`7Ud]hU`ž`k ]fX`]b`9h\Yf`i a [ Yk UbXY`h  
7cbgYbGmg`Uh`(`) \$`A ]``cbYb`l G!8c``Uf`Ui Z[ YVfUW`h`k Ug  
XUg`l bhYfbY`a Yb`a ]h`+`A ]``UfXYb`l G!8c``Uf`VYk YfhYh` ž`XU  
Yg`bi b`j Yfgi W`hž`a Y`f`HU`YbhY`Ub`6cfX`ni `c`Yb`i bX`X]Y  
9]bZØ\fi b[ `j cb`K YV`k Y]hYf`ni `VYgW`Yi b][ Yb``8]Y  
: ]bUbn]Yfi b[ gfi bXY`XYf`GYf]Y`8`XYg`6`cW`W`U]b!  
bZfUghfi \_hi fi bhYfbY`a Ybg`Zc`[ h`Ui ZY]bY`?Ud]hU`Yf\Ø\i b[  
j cb`&\$`\$`A ]``cbYb`l G!8c``Uf`]a`Bcj Ya VYfž`X]Y`7cbgYbGmg  
a ]h` ž`&`A ]``UfXYb`l G!8c``Uf`VYk YfhYhY``GY]b`<Ui dhdfcXi \_hž  
A YhUa Ug\_ž`ØVYfhfUZ]a`'Jbi Uf'' \$`A ]``cbYb`U\_h]j Y`6Ybi hnYf  
dfc`A cbUh`Y]bY`GhY][ Yfi b[ `j cb`/ Ua d`ΛY``]d/

- A YhUA Ug\_`Uh]a `Jbi Uf' \$`A ]`]cbYb'a cbUh]W`U\_hj] Y 6Ybi hnYf`]b`XYb`GW`UhhYb`[ YghY``h
- 8Yf`9f`0g`Ui g`XYf`F i bXYž`Ub[ YZ0\fh]j cb`DUfU: ]`7Ud]hU`ž k ]fX`]b`9h\Yf`i a [ Yk UbXY`h

7cbgYbGmg`Uh( ) \$`A ]`]cbYb`l G!8c``Uf`Ui Z[ YVfUW`h`k Ug`XUg l bhYfbY`a Yb`a ]h`+`A ]`]UfXYb`l G!8c``Uf`VYk YfhYh` žXU`Yg`bi b j Yfgi W`hž`a Y`f`HU`YbhY`Ub`6cfX`ni ``c`Yb`i bX`X]Y`9]bZ0\fi b[ `j cb K YV` `k Y]hYf`ni `VYgW`Yi b][ Yb"``

8]Y`:]bUbn]Yfi b[ gfi bXY`XYf`GYf]Y`8`XYg`6`cW`W`U]b!  
 ðZfUghfi \_hi fi bhYfbY`a Ybg`Zc`[ h`Ui ZY]bY`?Ud]hU`Yf`0\i b[ `j cb &\$`A ]`]cbYb`l G!8c``Uf`]a `Bcj Ya VYfž`X]Y`7cbgYbGmg`a ]h` ž& A ]`]UfXYb`l G!8c``Uf`VYk YfhYhY"

GY]b`<Ui dhdfcXi \_hž`A YhUA Ug\_ž`0VYfhfUZ]a `Jbi Uf' \$`A ]`]cbYb U\_hj] Y`6Ybi hnYf`dfc`A cbUh` `Y]bY`GhY][ Yfi b[ `j cb` ( &`i `]a j ]YfhYb`A cbUh"

9]bY`i a ZUggYbXY`BYi [ YghU`hi b[ `j cb`A YhUA Ug\_]gh`bUW 5b[ UVYb`XYg`l bhYfbY`a Ybg`Z0f`gd`ÀhYf`]b`X]YgYa `J\`f`[ Yd`Ubh" 7cbgYbGmg`d`Ubh`Ui »YfXYa `X]Y`9]bZ0\fi b[ `Y]bYg`D`i [ !]b! 9fk Y]hYfVUf`\_Y]hggmghYa gž`i a `X]Y`ðhY[ fUh]cb`a ]hj YfgW`]YXYbYb 6`cW`W`U]b!Dfchc`\_c``Yb`i bX`?cbhcg]W`Yf`Y]hggW`Ya UhU`ni Yfa 0[ `]W`Yb"

œ\bbU`Dck Y``ž[ `cVU`Y`7c!@Y]hYf]b`j cb`7cbgYbGmg`B: Hgž`gU[ hY 6`cW`k cf\_g`]a `j Yf[ Ub[ YbYb`A cbUhž`XUgg`XUg`l bhYfbY`a Yb VYghfYVh`gY]ž`X]Y`b`ÀW`ghYb`n][ `A ]`]cbYb`6Ybi hnYf`0VYf`B: Hg`fbcbl Ži b[ ]V`Y`hc`\_YbgŁ`]b`A YhUA Ug\_`ni `Vf]b[ Yb"``9g`i bhYfgi W`h`Ui W`

6Yg]W\Yfi b[ ž: fU\_h]cb]Yfi b[ ž'Gk Udž? fYX]hUi ZbU\ a Y' i bX  
?fYX]hj Yf[ UVY']b'X]YgYa 'GY[ a Ybh"

DUFU: ]'7Ud]hU''Y]hYhY'X]Y'Øb[ ghY'GdYbXYbU\_h]cb"'HY]'bY\ a Yf'XYf  
GYf]Y!7!Fi bXYž'X]Y'YfbYi h']b'7cbgYbGmg']bj Ygh]YfhYbž'k UfYb  
H\]fX'Dc]bhž'A Ufg\U''K UWž'HF I 9'7Ud]hU''A UbU[ Ya Ybhi bX'XYf  
J Ybhi fY': i bX'XYf'I b]hYX'HU'Ybh'5[ YbWm''Ni 'XYb'bYi Yb  
⊕j Yghc fYb' [ Y\ÖfhYb'HYa UgY\_ž'GcZh6Ub\_'J]g]cb': i bX'&ž  
A ]WfcgcZhž'5bh\cg'7Ud]hU'ž'Gci bX'J Ybhi fYg'i bX'7'J Ybhi fYg"

5'g''Ub[ 'A\ f][ Yf'<Ui d hbi hnYf'XYf'DfcXi \_hY'i bX'8]YbghY]ghi b[ Yb  
j cb'7cbgYbGmg'žFYi h'g]W\ DUfU: ]ž'Y]b'⊕j Yghc f'i bX'8Yb\_dUf hYf  
ni 'gY]bž'XU'XUg'I bhYfbY\ a Yb'k Y]hYf\]b'Ub'XYf'Gd]hnY'XYf  
XYnYbhfU'Yb'⊕ž'Ughfi \_hi f'cdYf]Yfh ž'gU[ hY'6Yb': cfa Ubž; fØbXYf  
j cb'DUFU: ]'7Ud]hU'ž']b'Y]bYf'9f\_`Àfi b[ "

8Yf'9f'Ög'Ui g'XYf'Fi bXY'k ]fX']b'9h\Yf'i a [ Yk UbXY'hž'i a 'XUg  
J Yf\`À'hb]g'j cb'9H<'ni 'I G!8c''Uf!Ÿei ]j U'YbhYb']a '9]b\_'Ub[ 'a ]h  
XYf'HfYUgi fm!GhfUHY[ ]Y'j cb'7cbgYbGmg'Ui gni [ 'Y]W\Ybž'gc'XUg  
I bhYfbY\ a Yb"

8]Y'bÅW ghY'Fi bXY'k ]fX'i bgYfY' GYf]Yg'9H<'gY]bž']b'XYf'k ]f  
⊕j Yghc fYb'XUVY']i bhYfghØhnYb'k YfXYbž'j c`ghÅbX][ '\_fmdhc!bUhj  
ni 'k YfXYbž'i a '9H<'U'g'Gma Vc''i bX'9b[ U[ Ya Ybh'ž'XYb  
'Ui ZYbXYb'DUFUX][ a Ybk YW\gY''VY]ni hfU[ Yb ž'gU[ hY'εgYd\ '@ V]bž  
; fØbXYf'j cb'7cbgYbGmgž']b'Y]bYf'9f\_`Àfi b[ "

8]Y': ]bUbn]Yfi b[ 'k ]fX'Ui W\ž'f'X]Y'9]bghY''i b[ 'j cb'a Y\ f'U'g'\* \$\$  
bYi Yb'A ]hUfVY]hYfb'j Yfk YbXYhž'hY]'hY'XUg'I bhYfbY\ a Yb'a ]h'A ]h  
ZUgh'+\$\$'J c''nY]hVYgW\ÀZh][ hYb'**7cbgYbGmg**'d'Ubhž'V]g'9bXY'&\$&&  
a Y\ f'U'g%'\$\$'ni '\UVYb"

9]b'GdfYW\Yf'j cb'7cbgYbGmg'ghY''hY']a ': YVfi Uf'ZYghž'XUgg'ZUgh'X]Y  
<`À'ZhY'XYf'' \*\*'BYi Y]bghY''i b[ Yb'j cb'7cbgYbGmg']b'XYb''YhnYb  
gYW\g'A cbUHYb'Ui g'XYa 'K YV&!² \_cgmgHYa 'ghJa a hYbž'k À\ fYbX  
Yhk U'Y]b'8f]hY''Ui g'Y]bYf'UbXYfYb'6fUbW\Y'ni a 'I bhYfbY\ a Yb  
\_Ua "

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8Yf'6Y]hfU[ '7c.bgYbGmg'd`Ubhž'A YhUA Ug\_`bYi`ni`[ YghU`hYb`i`bX  
\* \$\$`bYi`Y`A ]hUfVY]hYf`Y]bni ghY``Ybž`]gh`\_Y]bY`Z]bUbn]Y``Y`6YfUhi b[ "

8YhU]`g

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