

; Ygi WX h. '< ]ghcf]gWXY'Fi XYf]b'ZØf'&+) ð\ fY'; fØbUi '!>Y hnh'VYk YfVYb°

8]Y'ð V]`Ài a gj YfUbgH`hi b[ / Ua d/ , &&/&+) `ð\ fY ; fØbUi / Ua d/ , &&\$ /gi WX h`Y]bY'† b[ Y'8 Ua Y'Ui g'6Yf`b! ?ÒdYb]W\_ž]bgVYgcbXYfY'Ui g'; fØbUi ž`X]Y'U`g` \]ghcf]gWXY Fi XYf]b'VY]`XYb'ÒZZYbh]WX Yb`J YfUbgH`hi b[ Yb`ja` ð`b]`&\$&( Ui ZhfYhYb`a` ÒWX hY`"8]Y [ Ygi WX hY'8 UfghY`Yf]b`gc`hY`a` ]bX`"% , ð\ fY`U`h`gY]bž`Y]b`gma`dUh\]gWXYg`5i ggY\Yb`i bX`Y]bY gdcfh]WX Y': ][ i f`VYg]hnYb`"9]bY`ÿ`b`]WX`\_Y]h`a` ]h`XYf [ YnY]WX bYhYb`Fi XYf]b`Ui Z`XYf`ð V]`Ài a`g!Dcgh\_UfhY`]gh`j`cb`J`cfhY]`ž`UVYf`b]WX`h`i`b`VYX]b[ h`YfZcfXYf`]WX`"8`Ug`\]ghcf]gWXY ?cghØa` ]b`F`chl`K`Y]»`k`]fX`ZØf`X]Y`Ui`g[ Yk`À`\`hY`8`UfghY`Yf]b`a`U» [ YgWX`bY]XYfh`i`bX`j`ca` ]YfUbgH`hYf`ni`f`J`YfZØ[ i`b[ [ YghY`h`"8]Y`F`c`Yb`g]bX`j`Yf[ ØhYhž`i`bX`X]Y`HYfa` ]bY`ZØf`X]Y`5i`Zh]hhY`XYf`\]ghcf]gWXYb`Fi XYf]b`Y[ Yb`nk`]gWXYb`XYa`%) "\$\*`"&\$&( `i`bX`XYa` `&' "\$\*`"&\$&( `]b`6Yf`b!`?ÒdYb]W\_`i`bX` / Ua`d`^Y`d`/`

8]Y'ð V]`Ài a gj YfUbgH`hi b[ ' &+) `ð\ fY'; fØbUi `gi WX h`Y]bY'† b[ Y 8 Ua Y'Ui g'6Yf`b!`?ÒdYb]W\_ž]bgVYgcbXYfY'Ui g'; fØbUi ž`X]Y'U`g` \]ghcf]gWXY`Fi XYf]b'VY]`XYb'ÒZZYbh]WX Yb`J YfUbgH`hi b[ Yb`ja` ð`b]`&\$&( `Ui ZhfYhYb`a` ÒWX hY`"8]Y [ Ygi WX hY'8 UfghY`Yf]b`gc`hY`a` ]bX`"% , `ð\ fY`U`h`gY]bž`Y]b`gma`dUh\]gWXYg`5i ggY\Yb`i bX`Y]bY gdcfh]WX Y': ][ i f`VYg]hnYb`"9]bY`ÿ`b`]WX`\_Y]h`a` ]h`XYf`[ YnY]WX bYhYb`Fi XYf]b`Ui Z`XYf`ð V]`Ài a`g!Dcgh\_UfhY`]gh`j`cb`J`cfhY]`ž`UVYf`b]WX`h`i`b`VYX]b[ h`YfZcfXYf`]WX`"8`Ug`\]ghcf]gWXY`?cghØa` ]b`F`chl`K`Y]»`k`]fX`ZØf`X]Y`Ui`g[ Yk`À`\`hY`8`UfghY`Yf]b`a`U» [ YgWX`bY]XYfh`i`bX`j`ca` ]YfUbgH`hYf`ni`f`J`YfZØ[ i`b[ [ YghY`h`"8]Y`F`c`Yb`g]bX`j`Yf[ ØhYhž`i`bX`X]Y`HYfa` ]bY`ZØf`X]Y`5i`Zh]hhY`XYf`\]ghcf]gWXYb`Fi XYf]b`Y[ Yb`nk`]gWXYb`XYa``%) "\$\*`"&\$&( `i`bX`XYa` `&' "\$\*`"&\$&( `]b`6Yf`b!`?ÒdYb]W\_`i`bX`; fØbUi`"6Yk`YfVi`b[ Yb`gc`hYb`V]g`ni`a``%) "\$`" "&\$&( dYf`9!A`U]`a` ]h`Y]bYa` \_i`fnYb`@VYbg`Ui`Zi`bX`Y]bYa` Ui`ggU[ Y\_f`ÄZh][ Yb`':`chc`Ub`]bZc`4 [ fi`YbUi`&+) "XY`[ Yf]WX`hY`h`

k YfXYb"

8]YgYg; V]`Ai a `]gh`Y]bY`VYXYi hYbXY`J YfUbgH`hi b[ `]b`XYf  
; YgW]W`hY`j cb`; fØbUi ž`XUg`%+(- `Y[ fØbXYh`k i fXY""8]Y  
9bhk ]W`i b[ `j cb`; fØbUi `i bX`X]Y`6YXYi hi b[ `XYg`Fi XYfk YgYbg`]b  
XYf`; YgW]W`hY`XYg`C fhYg`g]bX`Yb[ `a ]hY]bUbXYf`j YfVi bXYb"  
; fØbUi `]gh`VY`\_Ubbh`ZØf`gY]bY`K UggYf`U[ Y`i bX`X]Y`\\]ghcf]gW`Y  
FY[ UhhUghfYW`Y`ž`X]Y`k `À`fYbX`XYf`ž`V]`Ai a`gj YfUbgH`hi b[ `Y]bY  
k ]W`h][ Y`F`c`Y`gd]Y`Yb`k ]fX""8]Y`\\]ghcf]gW`Y`Fi XYf]b`k ]fX`VY]  
j YfgW]YXYbYb`J YfUbgH`hi b[ Ybž`k ]Y`XYa`GhfU»Ybi a`ni [  
?ØdYb]W`Yf`Gca a Yf`&\$&(`cXYf`XYa`i`Yghi a`ni [ `&+) `ž`\\fY  
; fØbUi ž`Y]bY`VYXYi hYbXY`F`c`Y`gd]Y`Yb`i bX`XUg`6]`X`XYg`C fhYg`]b  
XYf`²`ZYb`h]W`\_Y]h`fYdf`ĀgYb`h]YfYb"

: Øf`X]Y`6Yk`c`bYf`j cb`; fØbUi `i bX`6Yf`]b!`?ØdYb]W`\_V]YhYh`X]Y  
HY]`bU`a`Y`Ub`gc`W`Yb`\\]ghcf]gW`Yb`i`Y]Yf`]W`\_Y]hYb`X]Y  
A`Ò[ `]W`\_Y]hž`ghc`n`Ui`Z]`\\fY`; YgW]W`hY`i bX`\\fY`\_i`hi`fY`Y  
⇒XYbh]h`Ā`h`ni`gY]b""8]Y`J YfUbgH`hi b[ `k ]fX`Ui`W`Hci`f]ghYb`i bX  
6Ygi`W`Yfb`X]Y`; Y`Y[ Yb`\\Y]h`V]YhYbž`a`Y`\\f`ØVYf`X]Y`; YgW]W`hY  
i bX`HfUX]h]cbYb`j cb`; fØbUi `ni`YfZU`\\fYb""8]Y`8`UfghY`i b[ `Y]bYf  
\\]ghcf]gW`Yb`Fi XYf]b`]gh`Y]bY`Y]bn][ Ufh][ Y`A`Ò[ `]W`\_Y]hž`X]YgY  
; YgW]W`hY`Y`VYbX][ `k YfXYb`ni`UggYb`i bX`XYb`6Ygi`W`Yfb`X]Y  
\\]ghcf]gW`Y`6YXYi hi b[ `XYg`C fhYg`ni`j`Yfa`]hY`b"

⇒a`i`c`[ YbXYb`Z]bXYb`G]Y`Y]bY`HUVY`Y`a`]h`k`]W`h][ Yb`HYfa`]bYb  
i bX`J YfUbgH`hi b[ Yb`XYf`\\]ghcf]gW`Yb`Fi XYf]b`]a`F`U`a`Yb`XYg  
ž`V]`Āi`a`g.

p]HYfa`]b`p`8`Uhi`a`p]i`\\fnY]h`p  
p`p`!p`p  
p]GhfU»Ybi a`ni [ `?ØdYb]W`\_Yf`Gca a Yf`&\$&(`p%) "\$\*"&\$&(`p%(!%\*  
l`\\fp  
p]: YghU`\_h]b`XYf`; fØbUi`Yf`: f]YXYbg\_]fW`Yp`&\$"\$\*"&\$&(`p`&\$!`&&  
l`\\fp  
p]: Yghi a`ni [ `&+) `ž`\\fY`; fØbUi`p`&&"\$\*"&\$&(`p%(!%\*`l`\\fp  
p]5i`Zh]h]h`Ui`Z`XYf`F`Y[ UhhUghfYW`\_Y`p`&' "\$\*"&\$&(`p%,`l`\\f`p

8]Y`HY]`bU`a`Y`Ub`X]YgYb`J YfUbgH`hi b[ Yb`k ]fX`X]Y`\\]ghcf]gW`Y

Fi XYf]b`ni `Y]bYf`GW`ØggY`Z][ i f`]b`XYb` : Y]Yf`]W`\_Y]hYb`a UWXYb  
i bX`Y]bY`Y]bn][ Ufh][ Y` ; Y`Y [ Yb`Y]h`V]YhYbž`X]Y`\_i `hi fY`Y  
; YgW]W`hY`j`cb` ; fØbUi `ni `fYdf`ÄgYbh]YfYb"

8]Y`Gi W`Y`bUW`XYf`\]ghcf]gW`Yb`Fi XYf]b`]gh`gca` ]h`Y]bY  
VYXYi hYbXY`ϕ]h]Uh]j`Yž`X]Y`XUni `VY]hf`Ä [ hž`X]Y`\]ghcf]gW`Y  
6YXYi hi b [ `j`cb` ; fØbUi `k`Ä`fYbX`XYg`ž`V]`Äi`a`g`U`fYg`ni `Y`fYb  
i bX`ni `df`ÄgYbh]YfYb" `ϕhYfYgg]YfhY`6Yk`YfVYf]bbYb`Ui`g`6Yf`]b!  
?ÖdYb]W`\_i`bX`]bgVYgcbXYfY`Ui`g` ; fØbUi `UVYb`X]Y`A`Ö [ `]W`\_Y]hž  
HY]`X]YgYg`VYXYi hYbXYb`9fY][ b]ggYg`ni `k`YfXYb`i`bX`XYb`C`fh`Ui`Z  
Y]bn][ Ufh][ Y`i`bX`\]ghcf]gW`Y`K`Y]gY`ni `fYdf`ÄgYbh]YfYb"

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EiY`Y. k k k "VYf`]b"XY

8YhU]`g

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