



MODL5102

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HYfa 'H\FYY''##'&\$&\$

7 ci fgY`Cj Yfj]Yk

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7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
GUbXfU`<U`Y	g"\U`Y4 i bgk "YXi "Ui	D`YUgY `W`bHJW]j]U Ya U]"	A cfj Yb`6fck b &\$+	D`YUgY `W`bHJW]j]U Ya U]"

@YW]i fYfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
GUbXfU`<U`Y	g"\U`Y4 i bgk "YXi "Ui	H65	H65	H65

Hi h`cfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cW]h]cb	D\cbY
L]Ub[`7\Yb[gYUb"W 4 i bgk "YXi "Ui	H65	H65	H65
Gcd\]U`F U	g"fU4 i bgk "YXi "Ui	H65	H65	H65
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B U]gi]`XY`DfUXc	b"XY`dfUXc4 i bgk "YXi "Ui	H65	H65	H65
9`YbU`A]_\U]`_	Y"a]_\U]`_4 i bgk "YXi "Ui	H65	H65	H65
7 Ua]`Y`@Ud]YffY	W`Ud]YffY4 i bgk "YXi "Ui	H65	H65	H65
9`]nUVYh`F \cXYg	Y`]nUVYh`f\cXYg4 i bgk "YXi "Ui	H65	H65	H65

GWXcc``7cbHJW]`bZcfa Uh]cb

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@cW]h]cb. 'GWXcc``C Z]W]Z A cfj Yb`6fck b`6i]X]b[ž`@Yj Y``&ž&),

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D\cbY. 'ž`*%&`-' ,) `*% , %

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9a U]`. [\U`4 i bgk "YXi "Ui](#)

7ci fgY'8YHJ]`g

7fYX]hDc]bqg`*`

Gi a a UfmicZ`h`Y'7ci fgY

H\]g`Wci fgY`k]`ZcW`g`cb`Wca`a`i`b]`m]`bH`fd`fY`h]`b[]`b`Xca`Ygh]`Wg`Y`H]`b[gž]`b`k` \]`W`mci`k`]`W`b`W`b`f`U`H`c`b`
k`c`a`U]`b`U`f`Y`U`g`c`Z`W`ca`a`i`b]`m]`bH`fd`fY`h]`b[.`a`YX]`W`U`b`X`k`Y`Z`f`Y`"`H`Y`W`ci`fg`Y`k`]`b]`f`c`X`i`W`mci`3`h`c`h`Y`
W`c`b`H`I`h`i`U`_`b`c`k`Y`X[`Y`b`Y`Y`X`Y`X`h`c`d`Y`f`U`H`]`b`h`Y`g`Y`k`c`g`Y`H]`b[g`U`b`X`k`]`X`Y`j`Y`c`d`h`Y`]`b`H`f`d`f`Y`h]`b[`U`b`X`
]`b[i`]`g`h]`W`g`_`]`g`b`Y`W`g`g`U`f`m`h`c`k`c`f`_`U`g`d`f`c`Z`Y`g`g]`c`b`U`W`ca`a`i`b]`m]`bH`fd`fY`H`fg`"`H`Y`W`ci`fg`Y`k`]`W`ca`V]`b`Y`
h`Y`c`f`m`U`b`X`d`f`U`W`W`U`b`X`k`]`V`Y`]`b`Z`c`f`a`Y`X`V`m`h`Y`f`Y`g`i`h`g`c`Z`f`Y`g`Y`U`f`W`]`b`h`c`h`Y`g`Y`g`i`V`Z`Y`X`g`c`Z]`b`H`f`d`f`Y`h]`b["
M`ci`a`i`g`h`V`Y`V`]`b[i`U`]`b`c`f`X`Y`f`h`c`Y`b`f`c`"

7ci fgY`@YUfb]b[`Ci hWca Yg

%`i`g`Y`h`Y`b`Y`W`g`g`U`f`m`W`c`b`H`I`h`i`U`_`b`c`k`Y`X[`Y`h`c`g`i`W`W`g`g`Z` `m]`b`H`f`d`f`Y`h]`b`a`Y`X]`W`Z`k`Y`Z`f`Y`U`b`X`c`h`Y`f`
W`ca`a`i`b]`m`g`Y`H]`b[g`
&`" `Y`I`d`U]`b`h`Y`Y`h`]`W`f`Y`e`i`]`f`Y`a`Y`b`h`g`c`Z`d`f`c`Z`Y`g`g]`c`b`U`]`b`H`f`d`f`Y`H`fg`]`b`W`ca`a`i`b]`m`g`Y`H]`b[g`U`b`X`a`U`_`Y`
]`b`Z`c`f`a`Y`X`X`Y`W`g]`c`b`g`k` \`Y`b`W`c`b`Z`c`b`H`X`k`]`h`Y`h`]`W`X`]`Y`a`a`U`g`]`b`h`Y`k`c`f`_`d`U`W`
'`" `U`b`U`m`g`Y`h`Y`X`]`g`W`ci`fg`Y`c`Z`a`Y`X]`W`W`c`b`g`i`h`U`h]`c`b`g`U`b`X`c`h`Y`f`]`b`H`f`U`W`h]`c`b`g`]`b`W`ca`a`i`b]`m`g`Y`H]`b[g`
(`" `X`Y`a`c`b`g`h`f`U`H`Z`J`a`]`U`f`]`m`k`]`h`h`Y`h`Y`c`f`]`Y`g`h`U`h`i`b`X`Y`f`d]`b`U`W`W`f`U`H`]`b`H`f`d`f`Y`h]`b[]`b`W`ca`a`i`b]`m`g`Y`H]`b[g`
)`" `U`b`U`m`g`Y`f`Y`Y`j`U`b`h`f`Y`g`Y`U`f`W`U`b`X`h`c`c`g`h`c`Y`I`d`c`f`Y`U`d`d`]`W`h]`c`b`g`]`b`c`k`b`d`f`U`W`W`
*`" `X`Y`a`c`b`g`h`f`U`H`V`]`b[i`U`]`b`H`f`d`f`Y`h]`b[`g`_`]`g`]`b`h`Y`Z`c`c`k`]`b[`a`c`X`Y`g`g` \`c`f`h`U`b`X`c`b[`W`c`b`g`Y`W`h`j`Y`z`
W`X`i`W`X`c`h]`U`Y`#`g]`a`i`h`U`b`Y`c`i`g`U`b`X`g`]`h`f`U`b`g`U`h]`c`b`
+`" `W`h]`W`m`Y`j`U`i`U`H`c`k`b`d`Y`f`Z`c`f`a`U`b`W`h`c`↑`g`h]`Z`m]`b`H`f`d`f`Y`h]`b[`W`X`c]`W`g`

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7cbh]bi ci g`UggYgga Ybh	' \$i	H\fc] [\ci hi\Y`hYfa g	* ž+
GY`ZYj U`i Uh]cb`dfc`YWh	' \$i	k YY_;	%ž ž(ž)
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5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`7cbh]bi ci g`UggYgga Ybh

GHUfhXUH`.

8YHU]`g.

⊕!WUgg`UggYgga Ybhcz]bhYfdFYh]b[`g_]`g`fB]U`c[i Y`]bhYfdFYh]b[`UbX`g][\hifUbg`Uh]cbE`UbX`a YX]WU`
hYfa]bc`c[mhYgh`

Gh XYbhg`k]`VY`UggYggYX`Uh`YUghh`fY`hja Yg`Xi f]b[`WUgg`UbX`fYWW]j Y`k f]hYb`ZYXVUW`cZhAY]f
dYfZcfa UbVW`U`k YY_`UH`f`

5ggYgga Ybh&.`GY`ZYj U`i Uh]cb`dfc`YWh

GHUfhXUH`.

8YHU]`g.

F c`Yid`UmiU`g]a i `UH`X`a YX]WU`]bhYfdFYh]b[`Vcbgi `hUh]cbž`fYWc`fXž`hUbgW]VY`UbX`k f]hY`U`%\$\$\$`k c`fX`gY`Z
Yj U`i Uh]cb`fYdcfhcb`]bhYfdFYh]b[`dYfZcfa UbW`

⊕X]j]Xi U`k f]hYb`ZYXVUW`k]`VY`dfcj]XYX`k]h`h`Y`a Uf`YX`fYdcfh`

Hi fb]h]b`gYh]b[. H\]g`Ugg][ba Ybh]g`gi Va]hYX`h`fci [\`Hi fb]h]b`UbX`gh XYbhg`WU`b`gY`Y`Hi fb]h]b`g]a]Uf]hm
fYdcfhg`

5ggYgga Ybh' . J]j U`Yi Ua]bUh]cb

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@j Y`]bhYfdFYh]b[`Yi Ua]bUh]cb`g]a i `Uh]b[`U`X]U`c[i Y`]b`U`a YX]WU`]gYh]b["

Gh XYbhg`k]`VY`UggYggYX`Ug`h`Y`md`YfZcfa `h`Y`]bhYfdFYh]b[`hUg_`⊕X]j]Xi U`ZYXVUW`k]`VY`dfcj]XYX`UZ`Yf`

hY`Wca d`Yhcb`cZhY`Wci fgY"

a YXJW`Wcbgi `Hhcbg

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Ʒmci 'YbWci bHYf'U'dfcV'Ya 'k \Yb'UH'Ya dh]b['hc'gi Va]hmc i f'Ugg][ba YbhiH'fci [\ 'Hi fb]h]bž'd'YUgY
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'- ' ,) " ' ' %cf'Ya U] 'H'Ya 'cb'YI HYfbU'HY'fgi ddcfh4 i bgk "YXi "Ui "'Gi ddcfh
\ci fg'UfY' , .\$Ua '—%\$.\$\$da 'cb'k YY_XUmg'UbX'-. .\$Ua '—) . \$\$da 'cb'k YY_YbXg'fI *) 'XUmg'U'mYUfI" Ʒmci
UfY'i bUV'Y'hc'gi Va]hmc i f'Ugg][ba YbhiXi Y'hc'U'Zi 'hk]H'Hi fb]h]b' mci 'a UmUdd'm'Zc'f'Ub'YI HYbg]cbž'Vi hmc i
a i ghfYHU]b' mci f'h]W_Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfhfU'cb['k]H'UbmcH'Yf'fY'Yj UbhXcW a YbHgE'hc
]bWi XY'Ug'Yj]XYbW'hc'gi ddcfhmci f'YI HYbg]cb'Udd']W]h]cb" Ʒmci 'Ya U] '9I HYfbU'Gi ddcfhmci 'k]
Ui 'ca UH]W]m'fYW]j Y'U'h]W_Yhbi a VYfž'Vi h]Zmci 'HY'Yd\cbY' mci 'k]'bYYX'hc'gdYW]Z]W]m'Ug_ 'Zc'f'cbY"
Hi fb]h]b'U'gc'dfcj]XYg'i dXUH'g'cb'H'Y]f'gmgh'Ya 'ghU'hi g'cb'Hk]HYf"

; YbYfU'mž'UggYgga YbhiHUg_g'a i ghVY'gi Va]HYX'Y'YW'fcb]W]m'j]U'Y]H'Yf'Hi fb]h]b'cf'U'A ccX'Y
Ugg][ba YbH' 'b]bg]UbW'g'k \YfY'H'g]g' bchidcgg]V'Yž]hk]'VY'ghUH'X'cb' mci f'Wci fgY'g'A ccX'Y'g]H'k]H
U'HYfbUH] Y'gi Va]gg]cb'XYHU]g"

: cf]bZ'fa UH]cb'cb'\ck 'hc'gi Va]hUgg][ba YbHg'cb]bY'j]U'A ccX'Y. \Hdg. #gh XYbH'i bgk "YXi "Ui #ck!
gi Va]hUgg][ba YbH'a ccX'Y

5 WUXYa]W< cbYgmiUbX`D`U[]Uf]ga

- i bXYfgHUbX'mci f'f][\hg'UbX'fYgdcbg]V]]hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wcdmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi WñUbX'5WwdfUV'Y'I gY'cZ
I BGK '⇒H'F Ygci fW'g'Dc`]Wñ

5 WUXYa]W=Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[`tc.

- fYei Ygth`Zcf`Yl Hrbg]cb/