

# LING5024

@]b[ i ]gh]Wg'cZGdc\_Yb'9b[ `]g\

HYfa `C bY`#`&\$%-



GWXcc`cZ< i a Ub]h]Yg'UbX'@Ub[ i U[ Yg`#` I BGK `5ftg'UbX'GcWU`GWYbWg

7ci fgY`Cj Yfj ]Yk

`GHUZZ7cbhUW`i8YHJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWUjcb	D\cbY
>Ua Yg`@YY	Ua Yg`YY4 i bgk "YXi "Ui	K YXbYgXUm%%\$\$ U"a "!"%&.\$\$'d"a "	&&*`A cfj Yb 6fck b`6i ]X]b[	Ya Uj` dfYZYffYX" - ' , )`%a *%

GWXcc``7cbhUW`i8Zcfa Ujcb

GWXcc``cZ<i a Ub]hYg`UbX`@Ub[ i U[ Yg

@cWUjcb. `GWXcc``C Z]WZ`A cfj Yb`6fck b`6i ]X]b[ ž`@Yj Y`&ž&),

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D\cbY. `ž`\*%&`- ' , )`%\*, %

: U!.`ž`\*%&`- ' , )`; , +\$)

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

7ci fgY'8YHJ`g

7fYX]hDc]bhtg`\*`

Gi a a UfmicZ\hY'7ci fgY

Mci`k`j`YI d`cfY`hY`dUHYfbg`cZgdc\_Yb'9b[ `]g\`"Mci`ZfghYI Ua ]bY`hY`Zcfa UH]cb`cZgci bXg`UbX`hY`  
gci bXg`hUha U\_Y`i d`hY`9b[ `]g\`gci bX`gmghYa "Mci`hYb`Vi ]X`Zca`g]b[ `Y`gci bXg`h`hY`Wta V]bUH]cb`cZ`  
gci bXg`]bhc`gm`UV`Yg`UbX`hY`fc`Y`cZgm`UV`Yg`]b'9b[ `]g\`f`m`h`a`z`h`U`h]g`z`h`Y`a`Y`c`X]W`W`b`h`c`i`f`c`Z`  
gYb`h`b`W`g" Mci`U`gc`YI Ua ]bY`hY`W`b`g`h`i`W`]cb`c`Z`k`c`f`X`g`Z`c`a`g`ci`b`X`g`U`b`X`h`Y`W`a`V]b`U`H]`c`b`c`Z`k`c`f`X`g`]b`h`c`  
d`f`U`g`Y`g`U`b`X`g`Y`b`h`b`W`g": ]bU`m`z`m`c`i`YI d`cfY`k` \U`h`U`\_Y`g`d`U`W`U`V`c`j`Y`h`Y`g`ci`b`X`g`z`h`U`h]g`z`U`W`W`b`h`i`U`H]`c`b`  
U`b`X`]b`h`c`b`U`H]`c`b`]b`V`c`h`Z`c`f`a`U`U`b`X`W`c`c`e`i`]U`W`c`b`h`Y`i`h`g`"H`]g`W`c`i`fgY`U`g`U`d`d`]W`U`H]`c`b`g`Z`c`f`]b[ `i`]g`h`g`k` \c`  
Y`j`U`i`U`H`U`b`X`U`b`b`c`h`U`H`g`d`c`\_Y`b`U`b[ `i`U[ `Y`X`U`H`U`]b`U`b[ `i`U[ `Y`#]b[ `i`]g`h`W`g`]b`X`i`g`h`Y`g`z`]b`h`Y`f`d`f`Y`h`f`g`k`c`f`\_]b[ `]b`  
a`i`h`]b[ `i`U`g`Y`h`]b[ `g`k`]h`9`b[ `]g\`g`d`Y`U`\_Y`f`g`z`h`U`W`X`Y`f`g`c`Z`9`b[ `]g\`U`g`U`g`Y`W`c`b`X`U`b[ `i`U[ `Y`z`U`b`X`h`c`g`Y`k` \c`  
k`]g`h`c`\_b`c`k`a`c`f`Y`U`V`c`i`h`9`b[ `]g\`d`l`c`b`Y`h]W`g`U`b`X`d`l`c`b`c`c`[ `m`

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

%`XYgWf]VY`hY`\_Y`m`Z`U`h`f`Y`g`c`Z`h`Y`9`b[ `]g\`g`ci`b`X`g`m`g`h`Y`a`]b`W`i`X]b[ `U`W`W`b`h`i`U`H]`c`b`U`b`X`]b`h`c`b`U`H]`c`b`  
&"`U`b`U`m`g`Y`]b[ `i`]g`h]W`X`U`H`U`b`X`U`f[ `i`Y`h`Y`a`Y`f]h`g`c`Z`h`U`h`U`b`U`m`g]g`  
'`" `W`c`a`d`U`f`Y`W`c`c`e`i`]U`U`b`X`Z`c`f`a`U`d`U`H`Y`f`b`g`c`Z`g`d`c`\_Y`b`9`b[ `]g\`"

HYUW\]b[ `GhfUHY[ ]Yg`

H`Y`W`c`i`fgY`]g`h`U`i`[ `h`U`g`U`k`Y`Y`\_`m`h`f`Y`Y` \c`i`f`g`Y`a`]b`U`f`" <U`Z`c`Z`h`Y`g`Y`a`]b`U`f`d`f`Y`g`Y`b`h`g`h`Y`W`c`b`W`d`h`i`U`  
\_b`c`k`Y`X[ `Y`c`Z`h`Y`d`U`H`Y`f`b`g`c`Z`g`d`c`\_Y`b`9`b[ `]g\`" "h`Y`g`Y`W`c`b`X`U`Z`c`Z`h`Y`g`Y`a`]b`U`f`g`h`X`Y`b`h`g`k`c`f`\_k`]h`  
g`d`Y`Y`W`g`U`a`d`Y`g`]b`k` \]W`X`h`Y`m`U`d`d`m`h`Y`W`c`b`W`d`h`i`U`\_b`c`k`Y`X[ `Y`h`c`h`Y`U`W`i`U`d`f`c`X`i`W`]c`b`U`b`X`  
W`c`a`d`f`Y`Y`b`g]c`b`c`Z`g`d`c`\_Y`b`9`b[ `]g\`"

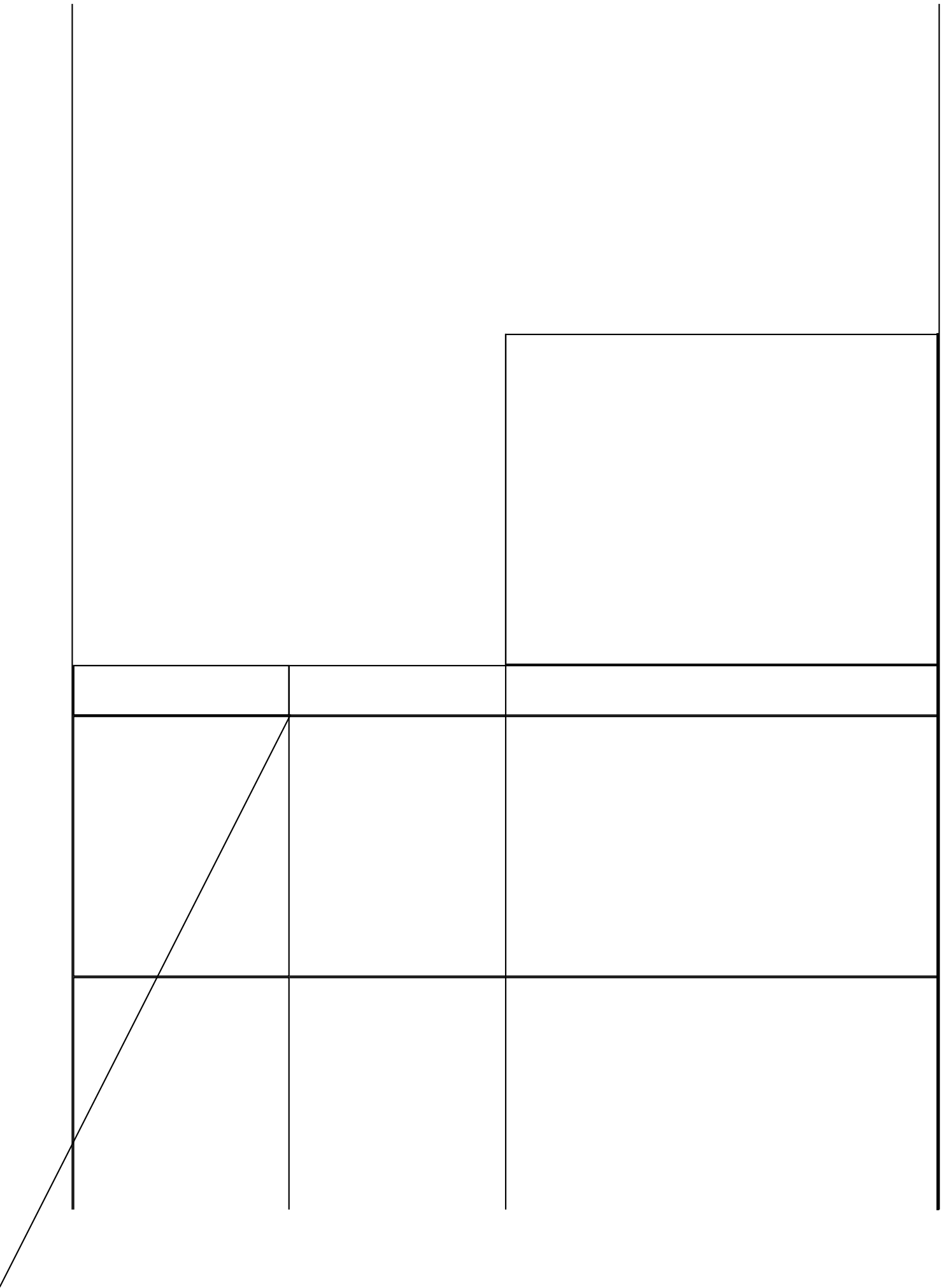
5ggYgga Ybh

5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UHŸ	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
Dfc'YWñ	) \$i	%, #) #&\$%- '\$%\$\$'DA	%z&Z
HU_Y'\ca Y'ñYgh	' )i	% #'\$ #&\$%- '\$).\$\$'DA	%
DfYgYbhUh	‰	h	‰ ‰ ‰

# 5 hYbXUbW F Yei ]fYa Ybhg

5 hYbXUbW cZgYa ]bUfg: ]g'a UbXUhc fm]b'h ]g'Wci fgY"l bYI W gYX UVgYbW Zfca 'a cfY hUb'&\$i 'cZ  
gYa ]bUfg:k ]'fYgi 'h]b'hY'Uk UfX'U'ZU]'[ fUXY"

		' "F YUX]b[ 'gYh* @UV`k cf_ ( "WŁfdi g` ]b[ i ]gh]Vg
K YY_ ; . ; '5df]'! '%( '5df]	GYa ]bUf	8 ]gW gg]cb %' "F YUX]b[ 'gYh* C fU`dfYgYb]U]cb &"Ug`fcghYfYX C j Yfj ]Yk ' "F YUX]b[ 'gYh+ @UV`k cf_ ( "WŁfdi g` ]b[ i ]gh]Vg
K YY_ - . : % '5df]'! '&% 5df]	GYa ]bUf	8 ]gW gg]cb %' "F YUX]b[ 'gYh+ C fU`dfYgYb]U]cb &"Ug`fcghYfYX C j Yfj ]Yk ' "F YUX]b[ 'gYh, @UV`k cf_ ( "WŁfdi g` ]b[ i ]gh]Vg
K YY_ %\$. '&'5df]'! '& 5df]	GYa ]bUf	5df]'&& ]g`9UghYf`A cbXUmž`U`di V`]W\c`]XUm`B c WUgg"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

H\Y`Wèi fgY`fYUX]b[ g`UfY`èi fbU`Ufh]WYg`Uj U]UV`Y`h\fcì [ \`ì BGK` ``]VfUfm`

F YWca a YbXYX`F Ygci fWg

6cc\_`-`Gci bX`DUh`fbg`cZ9b[ `]g\`Vmi@]bXU`G`cW`Ym`6`UW`k Y``Di V`]g\Yfg"

7ci fgY`9j U`i Uh]cb`UbX`8Yj Y`cda Ybh



Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Hi fb]hb`Gi Va ]gg]cb

zmc i`YbWci bhYf`U`dfcV`Ya`k`Yb`U`H`Ya`dh]b[`hc`gi`Va`]hmc i`f`Ugg][`ba`Ybh`h`fci`[`\`Hi`fb]`hbzd`YUgY`  
H`Y`d`l`cb`Y`9I`H`f`b`U`Gi`ddcfh`cb`-`,`),`"`,`'`,`%`c`f`Ya`U]`h`Ya`cb`YI`H`f`b`U`H`f`gi`ddcfh`4`i`bgk`"YXi`"Ui`"Gi`ddcfh`  
`l`ci`fg`U`f`Y`,`.\$`\$`Ua`-`-%`\$`.\$`\$`da`cb`k`YY`X`U`mg`U`b`X`-`.\$`\$`Ua`-`i`).`.\$`\$`da`cb`k`YY`Y`b`X`g`f`l`\*)`X`U`mg`U`m`Y`U`f`l`"zmc i`  
U`f`Y`i`b`U`V`Y`h`c`gi`Va`]hmc i`f`Ugg][`ba`Ybh`Xi`Y`h`c`U`Z`U`i`h`k`]h`Hi`fb]`hb`mc i`a`U`m`i`U`d`d`m`i`Z`c`f`U`b`YI`H`f`b`g]`cb`z`Vi`h`mc i`  
a`i`gh`f`Y`h`U]`b`mc i`f`h`W`Y`h`bi`a`V`Y`f`Z`c`a`9I`H`f`b`U`Gi`ddcfh`f`U`cb[`k`]h`U`b`m`c`h`Y`f`f`Y`Y`U`b`h`X`c`W`a`Y`b`h`g`l`h`c`  
]b`W`i`X`Y`U`g`Y`j`]X`Y`b`W`h`c`gi`ddcfh`mc i`f`YI`H`f`b`g]`cb`U`d`d`]W`h`c`b`"zmc i`Ya`U]`9I`H`f`b`U`Gi`ddcfh`mc i`k`]`  
U`i`h`c`a`U`h`W`U`m`i`f`Y`W`]j`Y`U`h`W`Y`h`bi`a`V`Y`f`z`Vi`h`]Z`mc i`H`Y`d`l`cb`Y`mc i`k`]`b`Y`Y`X`h`c`g`d`Y`W`Z`W`U`m`i`U`g`\_`Z`c`f`c`b`Y`"  
Hi`fb]`hb`U`g`c`d`f`c`j`]X`Y`g`i`d`X`U`H`Y`g`i`c`b`h`Y`]f`g`m`g`h`Y`a`i`g`h`U`h`g`i`c`b`H`k`]h`Y`f`"

;`Y`b`Y`f`U`m`z`U`gg`Y`g`g`a`Y`b`h`U`g`\_`g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`c`b]W`U`m`j`]U`Y`]h`Y`f`Hi`fb]`hb`c`f`U`A`cc`X`Y`  
U`gg][`ba`Y`b`h`-`b`]b`g`h`U`b`W`g`k`Y`f`Y`h`l`g`]g`b`c`h`i`d`c`g`g]V`Y`Z`]h`k`]`V`Y`g`h`U`H`X`i`c`b`mc i`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`  
U`h`f`b`U`h`j`Y`gi`Va`]gg]cb`X`Y`h`j`g`"

:`c`f`]b`Z`c`f`a`U`h]`c`b`c`b`l`c`k`h`c`gi`Va`]h`U`gg][`ba`Y`b`h`g`i`c`b`]b`Y`j`]U`A`cc`X`Y`.\`h`h`d`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`ack`!  
gi`Va`]h`U`gg][`ba`Y`b`h`a`cc`X`Y`"

## 5 WUXYa ]W<c bYghmUbX 'D`U[ ]Uf]ga

D`U[ ]Uf]ga ]g'i g]b[ 'hY'k cfXg'cf]XYUg'cZchYfg'UbX'dfYgYbh]b[ 'hYa 'Ug'mci f'ck b" #WU b'U\_Y'a Ubm Z'fa gž Z'ca 'XY]VYfUHY'WXU]b[ 'hc'UW]XYbU`mW'dm]b[ 'Z'ca 'U'gci fW'k ]h'ci hUW\_bck 'YX[ Ya Ybh'

I BGK '[ fci dg'd`U[ ]Uf]ga ]bhc'hY'Z`ck ]b[ 'WU]Y[ cf]Yg.

7cdm]b[ .i g]b[ 'hY'gUa Y'cf'j Yfmg]a ]Uf'k cfXg'hc'hY'cf][ ]bU`hYI hcf]XYU'k ]h'ci hUW\_bck 'YX[ ]b[ 'hY'gci fW'cf'i g]b[ 'ei chU]cb'a Uf\_g" 'H\]g'U'gc'Udd'Yg'hc' ]a U[ Ygž UfhUbX'XYg][ b'dfc'YWgž Ug'k Y`'Ug dfYgYbU]cbg'k \YfY'gca YcbY'dfYgYbhg'UbchYf'g' ]XYUg'cf'k cfXg'k ]h'ci hWYX]h'

#Uddfcdf]UHY'dUfUd\fUg]b[ .7 \Ub[ ]b[ 'U'Z'k 'k cfXg'UbX'd\UgYg'k \]Y'a cghm'fYU]b]b[ 'hY'cf][ ]bU'gfi W' fY'UbX'#f'dfc[ fYgg]cb'cZ]XYUg'cZ'hY'cf][ ]bU'Z'UbX' ]bZ'fa U]cb'k ]h'ci hUW\_bck 'YX[ Ya Ybh' 'H\]g'U'gc'Udd'Yg' ]b'dfYgYbU]cbg'k \YfY'gca YcbY'dUfUd\fUgYg'UbchYf'g' ]XYUg'cf'k cfXg'k ]h'ci hWYX]h'UbX'hc d]Y]b[ 'hc[ Y'hY'f'ei chYg'UbX'dUfUd\fUgYg' ]bhc'U'bYk 'k \c'Yž'k ]h'ci hUddfcdf]UHY'fYZfYbW]b[ "

7c`i g]cb.'k cf\_]b[ 'k ]h'chYfg'Vi hdUgg]b[ 'cZ'hY'k cf\_'Ug'U'dYfgcb'g' ]bX]j ]Xi U'k cf\_"7c`i g]cb'U'gc ]bW' XYg'dfcj ]X]b[ 'mci f'k cf\_'hc'UbchYf'g'hi XYbhVYZ'fY'hY'Xi Y'XU]Yž'cf'Z'f'hY'di fdcgY'cZ'hYa d'U[ ]Uf]g]b[ 'UhUbmi]a Yž'dUm]b[ 'UbchYf'dYfgcb'hc'dYfZ'fa 'Ub'UWUXYa ]W]Ug\_ž'ghU' ]b[ 'cf'UW'ei ]f]b[ UbchYf'dYfgcb'g'UWUXYa ]Wk cf\_'UbX'W'dm]b[ ]ž'cZ]f]b[ 'hc'W'ca d'Yh'UbchYf'dYfgcb'g'k cf\_'cf'gYY\_]b[ dUma YbhZ'f'W'ca d'Y]b[ 'UWUXYa ]Wk cf\_"

#Uddfcdf]UHY'W]U]cb.'7 ]b[ 'gci fW'g'k \]W\Uj Y'bchVYYb'fYUXž'k ]h'ci hUW\_bck 'YX[ ]b[ 'hY'"gYW'cbXUfm' gci fW'Z'ca 'k \]W'\_bck 'YX[ Y'cZ'hYa '\Ug'VYYb'cV]b]bYX"

8i d']WU]cb'f'gY'Z'd`U[ ]Uf]ga "L'gi Va ]h]b[ 'mci f'ck b'k cf\_ž]b'k \c'Y'cf']b'dUfž'k \YfY' ]h\Ug'dfYj ]ci g'm VYYb'dfYdUfYX'cf'gi Va ]h]YX'Z'f'UbchYf'UggYgga Ybhcf'W'ci fgY'Uhl BGK 'cf'UbchYf'i b]j Yfg]m'

7c'fYW'fYZYfYbW]b[ 'dfUW]W'g.

- DUfUd\fUg]b[ ž'gi a a Uf]g]b[ ž'YggUm'k f]h]b[ 'UbX'h]a Y'a UbU[ Ya Ybh
- 5ddfcdf]UHY'i gY'cZUbX'U]f]Vi h]cb'Z'f'U'fU]b[ Y'cZ'a U]f]U'g' ]bW' X]b[ 'hYI hž]a U[ Ygž'Z'fa i 'UY'UbX W'cbW'drg"

#X]j ]Xi U'Ugg]ghUbW' ]g'Uj U]UV'Y'cb'fYei YghZ'ca 'H\Y'@YUf]b[ '7YbhfY'f\h'd.## k k "Wi bgk "YXi "Ui #"  
Gh XYbhg'UfY'U'gc'fYa ]bXYX'h.UhWfYZ 'h]a Y'a UbU[ Ya Ybh]g'Ub ]a dcfU]bhdUfhicZ'gh XmiUbX'cbY'cZ'hY ]XYbh]Z]YX'Wli gY'g'cZ'd`U[ ]Uf]ga ]g'dccf'h]a Y'a UbU[ Ya Ybh'Gh XYbhg'g'lc'i 'X'U'ck 'gi Z]W]Ybh]a Y'Z'f'fYgUfW'ž'XfU]h]b[ 'UbX'dfcdYf'fYZYfYbW]b[ 'cZ'gci fW'g' ]b'dfYdUf]b[ 'U'UggYgga Ybh]h'a g"

I BGK '@]VfUfm'U'gc'\Ug'hY'9@G9'hc'Uj U]UV'Y'hc'Ugg]ghmci 'k ]h'mci f'gh XmiUhl BGK "'9@G9' ]g XYg][ bYX'hc' ]b]f'cXi W'bYk 'gh XYbhg'hc'gh Xn]b[ 'Uhl BGK 'Vi h]h'WU]b'U'gc'VY'U' ]fYUhfYZYg\Yf'Xi f]b[ 'mci f'gh Xn'

7ca d'Y]b[ 'hY'9@G9'h'hc'f]U'UbX'ei ]n'k ]'YbUVY'mci 'hc.

- UbU'mgY'hc'd]Wgž'd'Ub'fYgdcbgYg'UbX'cf[ Ub]gY'fYgYUfW'Z'f'UWUXYa ]Wk f]h]b[ 'UbX'chYf'UggYgga Ybh]Ug\_g



## 5 WUXYa ]WbZcfa Uhcb`

: cf`YggYbh]U`ghi XYbh]bZcfa Uhcb`fY`Uh]b[ `hc.

- fYei Yghg`ZcfYI hYbg]cb/
- `UhY`gi Va ]gg]cbg`[ i ]XY`]bYg/
- fYj ]Yk `cZa Uf\_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua ]bUh]cb`dfcVWXi fYg/
- gdYW]U`Vc]bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a ]gUXj Ybh fY/
- ghi XYbhYei ]m]UbX`X]gUV`]m/
- UbX`chYf`YggYbh]U`UWUXYa ]W]bZcfa Uh]cbz`gYY

[\h\]dg.#k k k "Ufmg"i bgk "YXi "Ui #W ffYbh\]ghi XYbh\]bZcfa Uh\]cb`#dfchVc`g`\[ i \]XY`\]bYg#](#)