



ARTS3024

K f]h]b['6cX]Yg

GYa YghYf'Hk c''##'&\$%



GWcc''cZH Y'5ftg'UbX'A YX]U''##'I BGK ''5ftg'UbX'GcW]U''GWYbWg

7 ci fgY`Cj Yfj]Yk

`GHUZZ7cbhUWh8YHJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWjhcb	D\cbY
5bbY`6fYk ghYf				

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`*`

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

Gi V`Y`W`h`5`f`Y`U`.'`5`d`M`S`f`h`W`I` d`f`f` Y`

H`h`g`W`c`i` fgY` W`b`'U`g`c`'V`Y`'g`h` X`Y`X`'j`b`'h`Y`'Z`c`'k`]b[`g`d`Y`W`U`'g`U`h`c`b`.'`7`' Y`f`e`Z`

h`h`g`W`c`i` fgY`m`c`i`'k`]`'b`j`Y`g`h`[U`h`'V`c`X`]Y`g`'U`g`'U`'Z`'W`'g`'Z`'f`'h`'W`'b`j`e`i`Y`g`'c`Z`'k`'f`]h`b`["'M`c`i`'k`]`'Y`I`U`a`]b`Y`'`]'h`f`U`f`m`
U`b`j`'h`Y`c`f`Y`h`W`'`h`Y`'g`'Z`'W`'h`'g`'j`b`[`k`]g`h`]Y`g`'g`i`'W`'W`'g`'b`'g`'U`'W`'U`'g`U`h`c`b`z`[Y`b`X`Y`f`]b`[`U`b`X`']b`h`Y`f`W`'d`c`f`Y`U`]'m`i`c`Z` %o` %o`
V`c`X`]Y`g`'H`h`Y`'`]'h`f`U`f`m`h`Y`I` h`g`]b`W`i` X`Y`'Z`'W`'h`c`b`'U`b`X`'d`c`Y`h`m`'H`h`Y`'W`c`i` fgY`]b`W`i` X`Y`g`'U`'f`U`b`[Y`'c`Z`'W`'Y`U`h`] Y`'k`'f`]h`b`[
Y`I`Y`f`W`]g`Y`g`'U`b`X`'k`'c`f`_`g`'d`g`'X`Y`g`][b`Y`X`'h`c`'Y`b`W`c`i` f`U`[Y`'m`c`i`'f`'Y`I`'d`Y`f`]a` Y`b`h`U`h`c`b`'k`]h`'Z`c`f`a`'g`'c`Z`'k`'f`]h`b`["

5h`h`Y`'W`c`b`W`i` g`]c`b`'c`Z`'h`g`W`c`i` fgY`'h`Y`'g`h` X`Y`b`h`k`]`'V`Y`'U`V`'Y`'h`c`

%` 8`]g`d`'U`m`U`b`'U`k` U`f`Y`b`Y`g`g`'c`Z`g`c`a` Y`'_`Y`m`]g`g`i` Y`g`']b`'W`c`b`h`Y`a` d`c`f`U`f`m`W`'h`'f`U`'g`h` X`]Y`g`
&`" 5`b`U`'m`g`Y`'W`]h`W`'`m`i`U`'j` U`f`]Y`h`m`i`c`Z`']h`f`U`f`m`U`b`X`'h`Y`c`f`Y`h`W`'`h`Y`I` h`g`
'`" 7` %o` %o` %o` c`' U`b`X`'k` U`f`m`U`b`X`'U`b`X`'k` U`h`m`i` b`X`' Y`I` h`g`

5ggYgga Ybh

Q-YfY'mci 'WU'ci h]bY'UbmifY'Yj Ubh]bZcfa Uh]cb'hUhk Ug'ibch]bWl XYX'j]b'5-A G'Vi ha Umidfcj Y'\Y'dZ'`Zcf mci f'gh XYbhg": cfYI Ua d'Yžmci 'a][\hdfcj]XY'XYfU]g'cb'hY'fYZfYbW]b['gmghYa ž'']b_g'hc'dfYj]ci g gh XYbhYI Ya d'Ufg'cf'hY'XYg][bUH'X'k YY_]b'hY'Wci fgY'hUhmc i 'k]'X]gW gg'hY'UggYgga YbhUh'Yb[h" ð dcfUbhñž'h]g'gYW]cb:]g'Ub'UfYU'Zcf'mci 'hc'dfcj]XY'j]bZcfa Uh]cb'hUhXcYg'ibch[c'h'fci [\ 'hY'Uddfcj YX [cj YfbUbW'ghfi Wñ fY"Q

5ggYgga YbhHUg_g'

5ggYgga YbhHUg_	K Y][\ h	8i Y'8UH'	Gh XYbh@YUfb]b[Ci hWca Yg'5ggYggYX
F YgdcbgY'hc'Gh XYbh DfYgYbhUh]cbg'	&\$i	&) #&\$#&\$% '%\$. \$\$'DA	%ž
A U'cf'5gg][ba Ybh) \$i	&* #&\$#&\$% '%\$. \$\$'DA	%ž&ž(
A]bcf'5gg][ba Ybh	%) i	\$+#\$- #&\$% '%\$. \$\$'DA	%ž(
9ggUmi	%) i	&(#\$, #&\$% '%\$. \$\$'DA	%ž&

5ggYgga YbhYU]g

Gi Va]gg]cb'cZ5ggYgga YbhHUg_g

Gh XYbng'UFY'YI dYW'X'hc'di h'AY]f'bUa Yg'UbX'ghi XYbhbi a VYfg'cb'Yj YfmdU[Y'cZ'AY]f'Ugg][ba Ybng"

Hi fb]h]b'Gi Va]gg]cb

Zmci 'YbWci bhYf'U'dfcV'Ya 'k \Yb'U'HYa dh]b['hc'gi Va]hrci f'Ugg][ba Ybh'fci [\ 'Hi fb]h]bzd'YUgY
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'-',) '' '' %cf'Ya U]'h'Ya 'cb'[YI HYfbU'HY'fji ddcfh i bgk "YXi "Ui."](#)Gi ddcfh
\ci fg'UFY', .\$\$Ua '-'%. \$\$da 'cb'k YY_XUmgi'UbX'-. \$\$Ua '-'). \$\$da 'cb'k YY_YbXg'f1 *) 'XUmgi'U'mYUfL' Zmci
UFY'i bUV'Y'hc'gi Va]hrci f'Ugg][ba YbhXi Y'hc'U'ZU'i 'hk]h'Hi fb]h]b'mci 'a UmiUdd'miZcf'Ub'YI HYbg]cbz'Vi hrci
a i ghfYhU]b'mci f'h]W_Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfhfU'cb['k]h'Ubmc'h'Yf'f'Yj UbhXcW a Ybng'hc
]bWi XY'Ug'Yj]XYbW'hc'gi ddcfhrci f'YI HYbg]cb'Udd'jW]h]cb" Zmci 'Ya U]'9I HYfbU'Gi ddcfhrci 'k]`
Ui 'ca U]W'`miFYW'j] Y'U'h]W_Yhbi a VYfz'Vi h]Zmci 'HY'Yd\cbY'mci 'k]`b'YX'hc'gdYW]W'`miUg_'Zcf'cbY"
Hi fb]h]b'U'gc'dfcj]XYgi dXUH'g'cb'h'AY]f'gmgh'Ya 'ghU'h'g'cb'Hk]HYf"

; YbYfU'`mz'UggYgga YbhHUg_g'a i ghVY'gi Va]HYX'Y'YW'fcb]W'`mj]U'Y]h'AYf'Hi fb]h]b'cf'U'A ccX'Y
Ugg][ba Ybh'`b]bg'U'bw'g'k \YfY'h'lg]g'bchidcgg]V'YZ]hk]`VY'g'UH'X'cb'mci f'Wci fgY'g'A ccX'Y'g]HY'k]h
U'HYfbU]h] Y'gi Va]gg]cb'XYhU]g"

@UH'5ggYgga YbhDYbU'h]Yg

- K cf_gi Va]hYX`%\$`hc`%-`XUmg`UZhf`h`Y`gh]di`UH`X`XYUX`]bY`k`j`VY`UggYggYX`UbX`ZYXVUW`dfcj`]YX`Vi`hU`a`Uf`_`cZnYfc`k`j`VY`fYW`fYX`" `Z`h`Y`k`cf`_`k`ci`X`U`j`Y`fYW`]j`YX`U`dUgg`a`Uf`_`Vi`hZ`f`h`Y`U`h`b`Y`gg`UbX`h`Y`k`cf`_`]g`U`W`a`di`gc`fm`W`i`fg`Y`W`a`dcb`Y`bh`f`i`f`X`Y`f`Y`ei`]f`Y`a`Y`b`h`Z`U`g`h`X`Y`bh`k`]`VY`X`Y`a`Y`X`h`_`U`j`Y`a`Y`h`h`U`h`f`Y`ei`]f`Y`a`Y`bh`/`
- K cf_gi Va]hYX`&\$`cf`a`cf`Y`XUmg`UZhf`h`Y`gh]di`UH`X`XYUX`]bY`k`j`bch`VY`U`W`W`d`h`X`Z`f`UggYgga`Ybh`UbX`k`j`fYW`]j`Y`bc`ZYXVUW`z`a`Uf`_`cf`[`f`U`X`Y`" `Z`h`Y`UggYgga`Ybh`U`g`_`]g`U`W`a`di`gc`fm`W`a`dcb`Y`bh`c`Z`h`Y`W`i`fg`Y`U`g`h`X`Y`bh`k`]`f`Y`W`]j`Y`Ub`l`bg`U`h`g`Z`U`W`c`fm`: `U`]`f`l` : `L`[`f`U`X`Y`U`g`U`f`Y`gi`h`c`Z`i`bg`U`h`g`Z`U`W`c`f`m`d`Y`f`Z`c`fa`Ub`W`]b`Ub`Y`gg`Y`bh`]U`W`a`dcb`Y`bh`c`Z`h`Y`W`i`fg`Y`"

H\]g`]b`Z`c`fa`U`h`c`b`]g`U`g`c`U`j`U`]`\$ %ofm %o %o %o

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" `hWUb`hU`Y`a Ubm
Zcfa gZ`Zca `XY`]VYfUHY`WXYU]b[`hc`UWV]XYbhU`mW`dm]b[`Zca `U`gci fW`k]h`ci hUW_bck`YX[Ya Ybh`

I BGK `[fci dg`d`U[]Uf]ga `]bhc`hY`Zc`ck]b[`WUHY[cf]Yg.

7 cdm]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[YgZ`UfhUbX`XYg][b`dfc`YWgZ`Ug`k Y`Ug
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g`]XYUg`cf`k cfXg`k]h`ci hWYX]h`

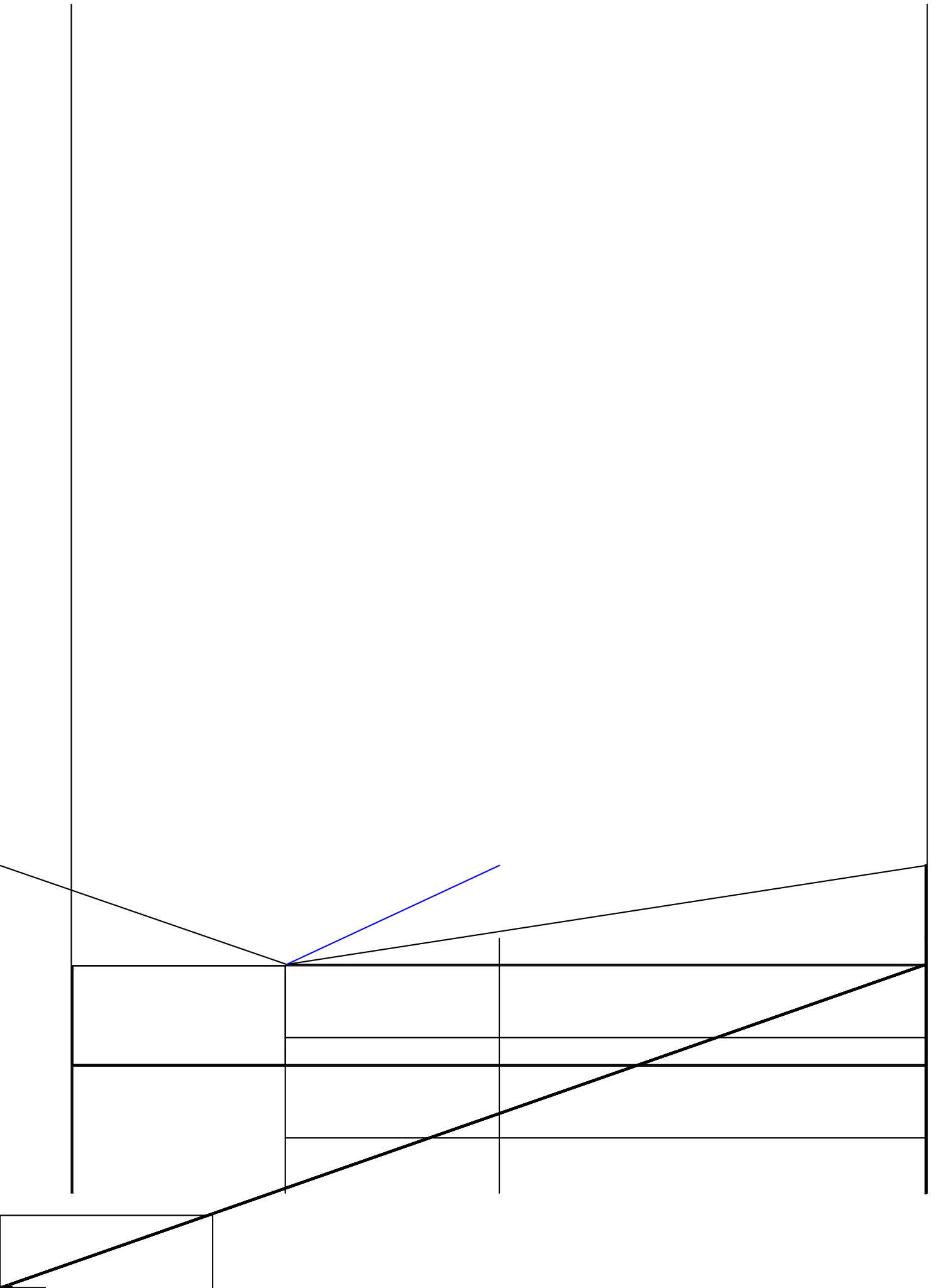
hUddfcdf]UHY`dUfUd`fUg]b[.`7`Ub[]b[`U`ZYk `k cfXg`UbX`d`fUgYg`k \]Y`a cghmifYU]b]b[`hY`cf][]bU`
ghfi`W`i fY`UbX`#`f`dfc[fYgg]cb`cZ]XYUg`cZ`hY`cf][]bU`Z`UbX`]bZcfa U]cb`k]h`ci hUW_bck`YX[Ya Ybh`"H\]g`U`gc
Udd`]Yg`]b`dfYgYbhU]cbg`k \YfY`gca YcbY`dUfUd`fUgYg`UbchYf`g`]XYUg`cf`k cfXg`k]h`ci hWYX]hU`bX`hc
d]YW]b[`hc[YhYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk `k \c`YZ`k]h`ci hUddfcdf]UHY`fYZYfYbW]b["

7 c`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_"`7 c`i g]cb`U`gc

- i bXYfghUbx'mci f'f][\hg'UbX'fYgdcbg]V]]hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wc'dmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5W'W'dhUV'Y'I gY'cZ I BGK '⇒H'F'Ygci f'W'g'Dc']W'h
- VY'Uk UfY'cZ'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dY'W'X'cZYj Yfmcby']b'h'Y'I BGK 'W'a a i b]m
- 'cW'W'h'gYfj]W'g'UbX']bZ'fa U]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'Y'gY'UfY'Ug'k]''VY'ZJa]]Uf'hc'mci ž'c'h'Y'fg'k]''VY'bYk " ; U]b]b['U'gc']X'i bXYfghUbx]b['cZU''h'Y fY'UH'X'UgdY'W'g'cZ9@-G9'k]''\Y'd'mci 'a U_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK "

[f\ htd. #gi V'Y'W'f i \]XYg" \]VfUfm'i b'gk "YXi "Ui #'\]gY#UVci h' \]gYŁ](#)



|k f]h['K cf_g\cd

F Ygci fWg

DfYgWf]VYX F Ygci fWg

Hk c'gYhHfI hg'hc' VY'di fWUgYX Zfca' h\Y'I BGK '6cc_g\cd.

>YUb]bY '@YUbYž8 Uf_'GYWYhg

7 \f]gchg'Hg]c'_UgžH\Y'G'Ud"

K YY_'mfYUX]b[g'Zcf''YWfi fYg'UbX'gYa]bUfg'fH YgY'k]''VY'Uj U]UV'Y'cb'H\Y '@YUfb]b['A UbU[Ya Ybh GmgH'a Ł'

6fYk ghYfž5bbY'UbX' <UnY''Ga]h''TDfCGYH\Yh]WA Ya cf]YgfiGU'hž%' &\$\$&.% - !&%%

6fYk ghYfž5bbY''H\Y'DcYh]Wg'cZA Ya cfm'ž7 cbh]bi i a ž&\$\$)''-%' fl Ł 'dd'' - +!(\$&

6nfbYž8''8YYd'BUh]cb.'5i gfrU]U'g'5Wēi]g]h]cb'cZUb' bX][Ybci g'DUghž5Vcf][]bU'<]ghcfnž&ž%- * , &!%\$+"

7 \cž@]m''H\Y'Hi fb'hc'8]UgdcfU''Hcd]U'+ f&\$\$+Ł '%d' '\$"

7 cbbY'žF'UbX'>K 'A YggYfgW\A]Xhž'<Y[Ya cb]WA UgW']b]m'F Yh.]b_]b['h\Y'7 cbW'dhž; YbXYf'UbX GcW]Ymž%' f'f'Ł8YW\A VYf'&\$\$). ; &-!) -"

8Ya Yhf]ci gž8''N''7 cbbY''g'7 cbW'dhcZ<Y[Ya cb]WA UgW']b]m'5'7 f]hei Y'žH\YcfmUbX'GcW]Ymž' '\$'fl Ł >i bY'&\$\$%' '' +!*"%

; ci j YfbYž5X]h''K Y]!@Y]'UbX'A Y'''; fck]b['l d'5g]Ub']b'5i gfrU]U''9X''5']W'Di b[''7 c'']b[k ccX.'6'UW_ bWž&\$\$%' ''+)!, '%Df]bh'

<U[Yž; \UggUb''K \]h'BUh]cb.:' Ub]Ug]Yg'cZK \]h'Gi dfYa UWni]b'U'A i 'h]W'hi fU'GcW]Ymž5bbUbXU'Y. D'i hcž%- , , '+, !%\$(

<U'ž@YUbbY''<ck'hc'6Y'>UdUbYgY'''; fck]b['l d'5g]Ub']b'5i gfrU]U''9X''5']W'Di b[''7 c'']b[k ccX.'6'UW_ bWž&\$\$%' ''&&+!' ('Df]bh'

<]fgWžA Uf]UbbY''H\Y'; YbYfU]h]cb'cZDcgra Ya cfm''DcYh]Wg'HcXUmi&-'%f&\$\$, Ł '%\$' !%&, '8i _Y l b]j Yfg]mDfYgg'>ci fbU'g'Cb']bY''K YV''\$%

@cYk U'Xžl mYb''6Y'; ccXž@]hY'A][fUbhg'''; fck]b['l d'5g]Ub']b'5i gfrU]U''9X''5']W'Di b[''7 c'']b[k ccX.'6'UW_ bWž&\$\$%' ''&&) !&*"Df]bh'

A]'gž7 \UfYg'k ''F UW'UbX'h\Y'GcW]U'7 cbhfUWniHfUX]h]cbž'GcW]U'Yb]h]h]Yg'*('f&\$\$Ł'(((% (* &

Hcb[žG]a cb''H\Y'6YUhcZU'8]ZYfYbh8 fi a '''; fck]b['l d'5g]Ub']b'5i gfrU]U''9X''5']W'Di b[''7 c'']b[k ccX.'6'UW_ bWž&\$\$%' ''(&!) '\$"Df]bh'

Hg]c'_Ugž7''C'b'h\Y'7 cbW'dhcZHc'YfUbW'']b'Hc'YfUbWžDfY↑ X]W' / : YUfž5''Yb / 'l bk]bž7 fck g'BYghž BGK ž&\$\$%' .%d) *"

Hg]c`_Ugž7""<cgd]hU]mžA i`hW`h`fU`]ga`UbX`7cga`cdc`]hUb]ga`.5`7`cbj`YfgU]cb`VYtk`YYb`7`f]g]g
Hg]c`_Ug`UbX`B`_cg`DUdUghYf[]UX]g`>ci`fbU`cZ`hYfW`h`fU`Gh`X]Ygž&\$%`.%d%&

J`cž8]Ya`"";`Ua`]m@]Z`"";`fck`]b[`l`d`5g]Ub`]b`5i`ghfU`]U`"9X`"5`]W`Di`b[`"7`c`]b[`k`ccX.`6`UW`_`hWž&\$%`"
%)!)`-`"Df]bH`

K`Y]ggž;`U]""6cX]m`a`dYfU]j`Yg`!`Hck`UfX`Ub`9a`VcX]YX`9h`]Mg`ž]b`6cXm`a`U[`Yg.`9a`VcX]a`YbhUg
hYfW`fdcfYU]m`F`ci`hYX[`Y.`%-`-`.%&-`!%*`'`"