



SRAP3002

GcWJU`F YgYUfVX `UbX`Dc`]WnDfc ^YWh

HYfa `Cby`##`&\$%-

5ggYgga Ybhg'rfi Wjcbg

FYZfYbWb['ghmY

5ggYgga Ybhg'g\ci 'X'VY'fYZfYbW'X'j'U'W'W'f'X'U'b'W'k'j'h'h'Y'G'W'c'c'c'Z'G'c'W'U'G'W'Y'b'W'g'F'Y'Z'f'Y'b'W'b[
; i]XYž'Uj U]UV'Y'Uh'<fhdg.#gcWU'gWYbW'g"Ufng"i bkg "YXi "Ui #gh XYbhg#fYgci fW'g#dc'WYg! [i]XY']bYg#

H\Y'I BGK '@YUfb]b['7YbhfY'dfcj]XYg'U'fU'U'Y'c'Z'f'Y'g'ci fW'g'hc'Ugg]ghk]h'f'Y'Z'f'Y'b'W'b[ž]bWi X]b['h'Y
<Ufj UfX'gmg'ha . <fhdg.#gh XYbh'i bkg "YXi "Ui #Ufj UfX'f'Y'Z'f'Y'b'W'b[

8ck b'cUX]b['UbX']bghU']b['h'Y'I BGK 'GcGG'ghmY'ž'f'9bXbc'h'..H\Y'I BGK 'GcGG'ghmY'ž'f'9bXbc'h'WU'U'V'Y'X'ck b'cUX'Y'X'ž'ca 'h'Y'G'W'c'c'k'Y'V'g]h'i b'X'Y'f'h'Y'f'Y'Z'f'Y'b'W'b['Y'U'X]b[
f'h'hdg.#gcWU'gWYbW'g"Ufng"i bkg "YXi "Ui #gh XYbhg#fYgci fW'g#dc'WYg! [i]XY']bYg# "GUj Y']h'c' m'ci f'X'Y'g_h'c'd'c'f'c'h'Y'f'Y'U'g'm'h'c'ž'b'X'c'W'U'h'c'b'g'i W'U'g' m'ci f'X'ck b'cUX'g'ž'X'Y'f' h'Y'b'ž'ž'c'ck 'h'Y'g'Y']b'g'h'U'U'h'c'b']b'g'h'i W'j'cbg' h'U'h'U'f'Y'U'd'd'f'c'd'f']U'h'ž'f'9bX'bc'h' 'L' & 'UbX' 'U'h'f.

%" ð'K]bX'ck gž'c'f'i g]b['m'ci f'A U'W']b'c'g' :]b'X'Y'f'ž'V'f'ck g'Y'hc' h'Y'c'W'U'h'c'b'k' \Y'f'Y' m'ci 'X'ck b'cUX'Y'X'h'Y'ghmY'"8ci V'Y'!W'W'c'b'h'Y'ghmY'ž'Y'W'Y'X'I BGK 'GcGG'Y'bg'hc'cd'Y'b']h' ð'g'g'ci 'X'cd'Y'b']b'h'Y'9bX'bc'h' 'dfc[fUa "

&" ð'9bX'bc'h'ž[c'hc' h'Y' :]Y' "a Ybi 'UbX'W'ccgY' "GUj Y'5g"
' "ž'f'Y'ei]f'Y'X'ž'f'Y'a c'j'Y'h'Y'k'c'f'X' "W'c'd'm'ž'ca 'h'Y'Y'b'X'c'Z'I BGK 'GcGG'ž'UbX'h'Y'b'W'W'W' h'Y'GUj Y'Vi h'c'b"
("7']W'c'b'h'Y' :]Y' "a Ybi 'UbX'W'ccgY' "7'cgY'G'm'Y'"

5ggYgga YbhHUg_g'

8YHJ]g. 'H\]g'hUg_]bj c]j Yg'k f]h]b['U' '\$\$\$'k cfX'fYdcfhXfUk]b['cb'h\Y'fYgYUfW\ 'h\Uh\Ug'VYYb'WcbXi W\YX
h'fci [\ci h'h\Y'gYa YghYF''H\]g']g'h\Y'Z]bU'UggYgga Ybh]b'h\Y'Wci fgY'Zc'f'UH\Y'bxUbW\ 'di fdcgYg"Gh XYbhg
k]''fYW\j Y'k f]h]b'ZYXXVUW_'UbX'U'bi a Yf]W\['fUXY'k]h]b'h\Y'XUmg'cZgi Va]gg]cb''H\Y'fi Vf]Wk]''VY
Uj U]UV'Y'hc'gh XYbhg'Uh'h\Y'gfUfhcZ'h\Y'Wci fgY'gc'h\Uh'h\YmW\b'k cf_'hck UfXg'gdYW\Z]YX'gfU'bxUfXg"

5XX]h]cbU'XYHJ]g.

H\]g'hUg_]bj c]j Yg'k f]h]b['U'fYdcfhXfUk]b['cb'h\Y'fYgYUfW\ 'h\Uh\Ug'VYYb'WcbXi W\YX'Vm'h\Y' [fci d''h]k]''
]bW\ XY'fYgYUfW\ 'ei Ygh]cbgZ'fU]h]cbU'Y'Zc'f'h\Y'fYgYUfW\Z'U'']h]fU'h'fY'fYj]Yk'fk \]W\mci '\Uj Y'U'fYUXm
XYj Y'cdYX']b'h\Y'F YgYUfW\ 'DfcdcgU'hUg_'Vi h]k \]W\k]''\Uj Y'hc'VY'UXUdhYX'hc'U'] [b'k]h'h\Y'fYgYUfW\
WcbXi W\YX'UbX'Z]bX]b[gZ'WcbW'dh'U'Z]Ua Yk cf_'za Yh]cXc'c[nZ'XU]U'UbU'mg]g'UbX'X]gW gg]cbZ'WcbW\ g]cbg
UbX'UbmUddfcdf]UH'fYWca a YbXU]h]cbg''9j Yb'h]ci [\mci 'k]''VY'k cf_]b[]b[fci dg'hc'XYhYfa]bY'h\Y
a Yh]cXc'c[mUbX'hc'Wc''YWhXU]U]Z'h\Y'Z]bU'fYdcfhia i ghVY'h\Y'k cf_'cZ]bX]j]Xi U'gh'XYbhg''H\Y'U]a 'cZ'h]g
hUg_]g'hc'Yb\UbW'g_]g']b'UbU'mg]b['fYgYUfW\ 'XU]U'UbX'k f]h]b['i d'fYgYUfW\ Z]bX]b[g'hc'Wca a i b]W]h'Y'h\Y
fYgi 'hg'hc'ghU_Y\c'XYfg'UbX'c'h\Y'fYW]d]Ybhg'cZ'h\Y'fYdcfh'h\Y'k f]h]b['i d'cZ'h\Y'Z]bX]b[g'UbX'h\Y'X]gW gg]cb
h\Y'fYcZg\ci 'X'Wcbgh]h'Y'h\Y'Vi '_cZ'h\Y'Z]bU'fYdcfh'

Hi fb]h]b'gYH]b[. H\]g'Ugg][ba Ybh]g'gi Va]h]X'h'fci [\ 'Hi fb]h]b'UbX'gh XYbhg'W\cb'gYY'Hi fb]h]b'g]a]'Uf]m
fYdcfhg"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

BchUj U]UV`Y

F YWca a YbXYX`F Ygci fWg

F YWca a YbXYX`hYI h

GUFUbHJ_cgZ`G" f&\$%&E" GcWU`F YgYUfW`f(h`YX"E" A Y`Vci fbY. `DU[fUj Y`A UWa]`Ub"

6fma Ubz5" f&\$%&E" GcWU`F YgYUfW`A YhcXg`f) h`YX"E" CI ZcfX. `CI ZcfX`I b]j Yfg]m`

Mci `k]`VYbYZhZca `VYWca]b[`ZJa]]Uf`k]h` ; cc[`YGWc`Uf`f`[hhd.#gWc`Uf`\[cc\[`Y`Wca](#) E`Ug`U`_YmgYUfW`
Yb[]bY`Zcf`UWXYa]Wdi V`W]h]cbg`UbX`fYdcfng" Mci `WUb`gYhi d`hY`dfYZYfbWg`hc`]b_`hc`hY`I B`GK
@]VfUfmYj Yb`k \Yb`mci `UfY`bchcb`WJa di g"

; c`hc` ; cc[`Y`GWc`Uf2`gYh]b[g2`]VfUfm`]b_gz`UbX`YbhYf`I b]j Yfg]hmcZBYk `Gci h`K`U`Yg`]b`hY`Vci `Zcf
"@]VfUfm`.

Mci `WUb`g][b`i d`Zcf`HUV`Y`cZ7`cbhYbhg`fHC 7`E`5`Yfhg`Zca `hY`\ca YdU[Yg`cZfY`Yj Ubh`ei fbU`gz`hc`fYW`]j Y
Ub`Ya U]`k \YbYj Yf`bYk `Ufh]WYg`UfY`di V`]g`YX`]b`h`Uh`ei fbU`">ci fbU`k YVg]hYg`k]`c`Zhb`W]ffm
]bZcfa U]cb`cb`hY`a cghj]Yk YX`UbX`a cghW]hYX`Ufh]WYg`hY`YgY`UfY`]_Y`mhc`VY`]bhYfYgh]b[`UbX`c`Zhb
]bZi Ybh]U`Wcbh]Vi h]cbg"; cc[`Y`GWc`Uf`k]`Ugc`dc]bhmei `hc`Ufh]WYg`h`Uh`Uj Y`W]hYX`U`dUfh]W`Uf`Ufh]WY
UbX`\YbW`k]`VY`fY`UhYX`hc`hY`hc]d]W

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

Gh XYbhYj U`i Uh] Y`ZYXVUW`]g [UhYfYX`dYf]cX]W]`mi g]b[`Ua cb[`chYf`a YUbg`I B`GK `g`A m9I dYf]YbW`
gi fj Yn`f` Zcfa U`ZYXVUW`UbX`WUgg[]YbYfUhYX`ZYXVUW`UfY`Ugc`]a dcfhUbh` Gh XYbhZYXVUW`]g`hU`Yb
gYf]ci g`mUbX`Wcbh]bi U`]a dfcj Ya Ybhg`UfY`a UXY`hc`hY`Wci fgY`VUgYX`]b`dUfhcb`gi W`ZYXVUW`"
G][b]Z]W]bhW`Ub[Yg`hc`hY`Wci fgY`k]`VY`Wca a i b]W]hYX`hc`gi VgYei YbhW`c`fng`cZgfi XYbhg`hU`]b[`hY`
Wci fgY"

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`" #WUbb`hU`Y`a`Ubm`Z`fa`g`z`Z`ca`XY`]VYfUHY`WX`U`h]b[`h`U`W`X`Y`b`h`U`m`W`d`m]b[`Z`ca`U`g`ci`f`W`k`]h`ci`h`U`W`_`b`c`k`Y`X[`Y`a`Y`b`h`

I`B`G`K` `f`ci`d`g`d`U[]Uf]ga` `]b`h`c`h`Y`Z`c`k`]b[`W`U`h`Y` `c`f]Y`g.

7`c`d`m]b[`.`i`g]b[`h`Y`g`U`a`Y`c`f`j`Y`f`m`g]a`]U`f`k`c`f`X`g`h`c`h`Y`c`f][]b`U`h`Y`i`h`c`f`]X`Y`U`k`]h`ci`h`U`W`_`b`c`k`Y`X[]b[`h`Y`g`ci`f`W`c`f`i`g]b[`e`i`c`h`U`h`c`b`a`U`f`_`g`"H`g`U`g`c`U`d`d`Y`g`h`c`]a`U[`Y`g`z`U`f`h`U`b`X`X`Y`g][]b`d`f`c`Y`W`g`z`U`g`k`Y`U`g`d`f`Y`g`Y`b`h`c`b`g`k` \Y`f`Y`g`c`a`Y`c`b`Y`d`f`Y`g`Y`b`h`g`U`b`c`h`Y`f`g`]X`Y`U`g`c`f`k`c`f`X`g`k`]h`ci`h`W`Y`X`h`

#U`d`d`f`c`d`f]U`h`Y`d`U`f`U`d`f`U`g]b[`.`7` \U`b[]b[`U`Z`Y`k`k`c`f`X`g`U`b`X`d`f`U`g`Y`g`k` \]Y`a`c`g`h`m`f`Y`h]b]b[`h`Y`c`f][]b`U`g`h`f`i`W`i`f`Y`U`b`X`#`c`f`d`f`c`f`Y`g`g]c`b`c`Z]X`Y`U`g`c`Z`h`Y`c`f][]b`U`z`U`b`X`]b`Z`c`f`a`U`h`c`b`k`]h`ci`h`U`W`_`b`c`k`Y`X[`Y`a`Y`b`h`"H`g`U`g`c`U`d`d`Y`g`]b`d`f`Y`g`Y`b`h`c`b`g`k` \Y`f`Y`g`c`a`Y`c`b`Y`d`U`f`U`d`f`U`g`Y`g`U`b`c`h`Y`f`g`]X`Y`U`g`c`f`k`c`f`X`g`k`]h`ci`h`W`Y`X`h]U`b`X`h`c`d`]Y`W]b[`h`c[`Y`h`Y`f`e`i`c`h`Y`g`U`b`X`d`U`f`U`d`f`U`g`Y`g`]b`h`c`U`b`Y`k`k` \c`Y`z`k`]h`ci`h`U`d`d`f`c`d`f]U`h`Y`f`Y`Z`f`Y`b`W]b["

7`c`i`g]c`b.`k`c`f`_`b[`k`]h`c`h`Y`f`g`Vi`h`d`U`g]b[`c`Z`h`Y`k`c`f`_`U`g`U`d`Y`f`g`c`b`g`]b`X]j`]X`i`U`k`c`f`_`7`c`i`g]c`b`U`g`c`]b`W`i`X`Y`g`d`f`c`j`]X]b[`m`c`i`f`k`c`f`_`h`c`U`b`c`h`Y`f`g`h`i`X`Y`b`h`V`Y`Z`c`f`Y`h`Y`X`i`Y`X`U`h`Z`c`f`Z`c`f`h`Y`d`i`f`d`c`g`Y`c`Z`h`Y`a`d`U[]U`f]g]b[`U`h`U`b`m`h`j`a`Y`z`d`U`m]b[`U`b`c`h`Y`f`d`Y`f`g`c`b`h`c`d`Y`f`Z`c`f`a`U`b`U`W`U`X`Y`a`]W`h`U`g`_`z`g`h`U`]b[`c`f`U`W`e`i`]f]b[`U`b`c`h`Y`f`d`Y`f`g`c`b`g`U`W`U`X`Y`a`]W`k`c`f`_`U`b`X`W`e`d`m]b[`]h`z`c`Z`Y`f]b[`h`c`W`e`a`d`Y`h`U`b`c`h`Y`f`d`Y`f`g`c`b`g`k`c`f`_`c`f`g`Y`Y`_]b[`d`U`m`a`Y`b`h`Z`c`f`W`e`a`d`Y`h]b[`U`W`U`X`Y`a`]W`k`c`f`_`"

#U`d`d`f`c`d`f]U`h`Y`W`h`U`h`c`b.`7`]h]b[`g`ci`f`W`g`k` \]W`k` \U`j`Y`b`c`h`V`Y`Y`b`f`Y`U`X`z`k`]h`ci`h`U`W`_`b`c`k`Y`X[]b[`h`Y`"g`Y`W`e`b`X`U`f`m`g`ci`f`W`Z`c`a`k` \]W`k`_`b`c`k`Y`X[`Y`c`Z`h`Y`a` \U`g`V`Y`Y`b`c`V`h]b]Y`X`"

8`i`d`]W`U`h`c`b`f`f`g`Y`Z`d`U[]U`f]ga` "L`g`i`V`a`]h]b[`m`c`i`f`k`b`k`c`f`_`z`]b`k` \c`Y`c`f`]b`d`U`f`z`k` \Y`f`Y`]h`U`g`d`f`Y`]c`i`g`m`V`Y`Y`b`d`f`Y`d`U`f`Y`X`c`f`g`i`V`a`]h`Y`X`Z`c`f`U`b`c`h`Y`f`U`g`g`Y`g`g`a`Y`b`h`c`f`W`e`i`f`g`Y`U`h`I`B`G`K` `c`f`U`b`c`h`Y`f`i`b`j`Y`f`g]m`"

7`c`f`f`Y`W`h`f`Y`Z`f`Y`b`W]b[`d`f`U`W]W`g.

- D`U`f`U`d`f`U`g]b[`z`g`i`a`a`U`f]g]b[`z`Y`g`g`U`m`k`f]h]b[`U`b`X`h`j`a`Y`a`U`b`U[`Y`a`Y`b`h`
- 5`d`d`f`c`d`f]U`h`Y`i`g`Y`c`Z`U`b`X`U`h`f]Vi`h]c`b`Z`c`f`U`f`U`b[`Y`c`Z`a`U`h`Y`f]U`g`]b`W`i`X]b[`h`Y`i`h`z`]a`U[`Y`g`z`Z`c`f`a`i`U`Y`U`b`X`W`e`b`W`d`h`g`"

#X]j`]X`i`U`U`g`g]g`h`U`b`W`]g`U`j`U`]U`V`Y`c`b`f`Y`e`i`Y`g`h`Z`c`a`H`Y`@`Y`U`f`b]b[`7`Y`b`h`Y`f`h`h`d`##`k`k`"W`i`b`g`k`"Y`X`i`"U`i`#`"G`h`X`Y`b`h`g`U`f`Y`U`g`c`f`Y`a`]b`X`Y`X`h`U`h`W`U`f`Y`Z` `h`j`a`Y`a`U`b`U[`Y`a`Y`b`h]g`U`b`]a`d`c`f`U`b`h`d`U`f`h`c`Z`g`h`i`X`m`U`b`X`c`b`Y`c`Z`h`Y`a`]X`Y`b`h`Z`Y`X`W`i`g`Y`g`c`Z`d`U[]U`f]ga` `]g`d`c`c`f`h`j`a`Y`a`U`b`U[`Y`a`Y`b`h`"G`h`X`Y`b`h`g`g`l`c`i`X`U`c`k`g`i`Z`Z`W`Y`b`h`h`j`a`Y`Z`c`f`Y`g`Y`U`f`W`k`Z`X`f`U`z]b[`U`b`X`d`f`c`d`Y`f`f`Y`Z`f`Y`b`W]b[`c`Z`g`ci`f`W`g`]b`d`f`Y`d`U`f]b[`U`U`g`g`Y`g`g`a`Y`b`h]h`Y`a`g`"

I`B`G`K` `@]V`f`U`f`m`U`g`c` \U`g`h`Y`9`@`G`9`h`c`c`U`j`U`]U`V`Y`h`c`U`g`g]g`h`m`c`i`k`]h`m`c`i`f`g`h`i`X`m`U`h`I`B`G`K` "9`@`G`9`]g`X`Y`g][]b`Y`X`h`c`]b`h`c`X`i`W`b`Y`k`g`h`X`Y`b`h`g`h`c`g`h`i`X`n]b[`U`h`I`B`G`K` `V`i`h`h`W`U`b`U`g`c`V`Y`U`[`f`Y`U`h`f`Y`Z`f`Y`g` \Y`f`X`i`f]b[`m`c`i`f`g`h`i`X`n`"

7`c`a`d`Y`h]b[`h`Y`9`@`G`9`h`h`c`f]U`U`b`X`e`i`]n`k`]Y`b`U`V`Y`m`c`i`h`c.

- U`b`U`m`g`Y`h`c`d]W`g`z`d`U`b`f`Y`g`d`c`b`g`Y`g`U`b`X`c`f[`U`b]g`Y`f`Y`g`Y`U`f`W`k`Z`c`f`U`W`U`X`Y`a`]W`k`f]h]b[`U`b`X`c`h`Y`f`U`g`g`Y`g`g`a`Y`b`h`h`U`g`_`g`
- Y`Z`Y`W`h]j`Y`m`U`b`X`Y`Z`Z`W`Y`b`h`m`Z]b`X`U`d`d`f`c`d`f]U`h`Y`]b`Z`c`f`a`U`h`c`b`g`c`i`f`W`g`U`b`X`Y`j`U`i`U`h`Y`f`Y`j`U`b`W`h`c`m`c`i`f`b`Y`Y`X`g`
- i`g`Y`U`b`X`a`U`b`U[`Y`]b`Z`c`f`a`U`h`c`b`Y`Z`Y`W`h]j`Y`m`i`h`c`U`W`W`e`a`d`]g` \U`g`d`Y`W`Z]W`d`i`f`d`c`g`Y`

- 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]WbZcfa Uh]cb`

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

- fYei Ygh]Zc`fYI h`bg]cb/
- `Uh]`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/

