



UNION UNIVERSITY

UNDERGRADUATE CATALOGUE

Announcements For the
One Hundred and Eighty-First Year

2004-2005

UNION UNIVERSITY

H\|g'di V]W]hcb'lg'lbhX'YX'Ug'UXYgW]dhcb'cZ'h.YUW'X'Ya]Wdfc[fUa g'UbX'UM]j]!
h]Yg'cZi b]cb'I b]j Yfglm'K \]'Y]h]g'bchUb'cZ'f'lc'a U_YU'WbhfUM]h]g'cZ'f'YX'Ug'U
W'a df\Ybgj YX'YgW]dhcb'h UhWb'g'fj YUgU[i]XY'Z'f'g'i X'Ybg'Wb'h'a d'U]b['g'i X'ni
cf U'fYU'X'mYbfc``YX'U'i b]cb'I b]j Yfglm'

H YU'Xa a YUj fYg'fY'Y'X'dYb'X'Yb'hc'b Z'U'c'f'g'c'i h]g'X'Y'h Y'dfc[fUa g'z'g' W'Ug

H.YW

!

a Ybl'z'Ya d'cna Yb'hc'f'ei U]U'W]hcb'Z'f'Ya d'cna Ybl'z'U'Xa]gg]cb'lc'XY[f'Y'dfc[fUa g'z'cf'
']W]b]g]b['Z'f'dU]h]W'U'f'dfc'Z'gg]cb'g'cf'c'W'W'dU]h]cb'g''

-b W'a d']Ub'W'k]h U' U'dd']W'V'Y'g'U'Y'Ub'X'Z'X'Y'U'U'k z]b'W' X]b['dfcj]g]cb'g'c'Z'h]h'Y'
L'c'Z'h'Y'9'X'i W]hcb'5a Yb'X'a Ybl'g'c'Z'+&U'X'G'W]hcb') S('c'Z'h'Y'F'Y'U'U']h]h]cb'5'W'ic'Z'
'%+' z'i b]cb'I b]j Yfg]lm'X'c'Y'g'b'ch]'Y[U'm'X]g'W]a]b'U'Y'cb'h'Y'V'U]g]c'Z'f'U'W'z'g'Y'z'W'cf'z'
b]h]cb'U'cf][]b'z'U' Y'z'X]g'U']h'z'cf'a]]h'f'm'g'f]j]W]b'U'Xa]gg]cb'g/']b'h'Y'U'Xa]b]g'f'U]h]cb'
c'Z]h'Y'X'i W]hcb'dc']W'g'z'dfc[fUa g'z'cf'UM]j]h]Y'g'cf']b'Ya d'cna Yb'h'I b'X'Y'Z'X'Y'U'U'k z'
h'Y'U'X'W'a d'Y]h]cb'f'U]h]g'Z [A w]l'nö • ce- —

2004

5b' C jYf jJYk

GhUhY a Ybh' cZ' D i fdcgY

=XYbh]hm' UbX' A]gg]cb

Ci f =Xb]h]m

I b]cbI b]j Yfg]m]g'Ub' UWX'Ya]W'Wa a i b]māUZU']UHX'k]h' h' YHmbbYgg'Y'6Ud]h]g]i
7cbj Ybhcbz'Yei]dd]b] ' d'Yfgcbg'h'c' h']b_ '7\]f]g]h]U' b]m]b]X'g'f]j YZ]h]Z ' m]b'k' Uhg'Wb!
g]g]h]b]h]k]h']l]g'W'f]Y]j U]i Yg'c'ZV]Y]b] '7\]f]g]h]W]b]h]f]Y'X'Z'd'Y'c'd' Y]Z'W'g'X'Z]Y] W' 'Yb]W]X]f]j YbZ
Ub]X'Z h' f]Y]X]f]Y]M]X' "H' Yg'Y'j U]i Yg'g' U]d]Y]]l]g']X]Y]b]h]m]i]g'Ub']b]g]h]i]h]c]b'k' \]W' d]f]c]f]h]n]g'
']V]f]U' U]f]g' V]U]g'Y'X' i b]X]Y]f] f]U]X' U]h' Y]X']W]h]c]b' Y]b' \]U]b]W]X' V]m]d]f]c' Z]g]g]c]b]U' Ub]X' [f]U]X' U]h'
d]f]c' f]U]a' g' H' Y]U]M]X'Ya]W'Wa a i b]m]i]g'W]a d'c]g'Y'c'Z'ei U]]m]Z]W' h]z]g' U]Z]Z]Ub]X'g]i X]Y]b]g'
k' c]f_]b] []c' []h' Y]f']b' U]W]f]b] []z' [f]U]M' U' Y]X' Y]b]]f]c]b]a' Y]b]h'W]b]X']V]j Y]c' h' Y]X]Y] Y]c]d]a' Y]b]i
c]Z]W]U]M]f]z]g'f]j U]b]h' Y]U]X]f]g']d]Z]Ub]X]W' h' f]U' Y]b] []U' Y]a' Y]b]h'

Ci f A]gg]cb.

I b]cbI b]j Yfg]m]d]f]c]j]X]Y]g'7\]f]g]h]W]b]h]f]Y'X' \] []Y]f]Y]X']W]h]c]b]h' U]d]f]c]a' c]h]g'Y] W' 'Y]b]W'
Ub]X'W]U]F]U]M]f]X]Y]j Y]c]d]a' Y]b]i]b]g'f]j]W]h'c' 7\]i f]W'Ub]X'g'c'W]h]h'

7cfY' JU' i Yg

j : 9]W' 'Y]b]W]8]f]j Y]b. K YV]Y]Y]j Y]h'U]h]Y] W' 'Y]b]W]Z]b]c]h]a' Y]f]Y]W]a' d']Ub]W]Z]g]h]Y] [c]U' c]Z'
c]i f]h]U]W]b] []z]c]i f]f]Y]g'U]F]W]Z]Ub]X'c]i f]g'f]j]W' 'K' Y]U]F]Y]b]c]h]a' c]h]j U]h]X]c' Y]l' W' 'Y]b]W]c]i h]c]Z'
d]f]]X]Y]M]i' h]c]i h]c]Z]U]X]g]f]Y]c' X]c' U' 'h']b] []g'Z]f' ; c]X]g' []c]f]m]V]W]U] g'Y' < Y]W]f]Y]g'U]c]i' h]c]i f'
k' c]f_]Ub]X'k' U]b]l]g'c']V]Y]]b]j c']j Y]X']b']Y' Y]f]h]h']b] []k' Y]X'c' "K' Y]k'] "]b]c]h]V]Y]g]h]g'U]Y]X'k']h' '
a' Y]X]c]W]]m]m]i' h]k'] "]d]i f]g' Y]l' W' 'Y]b]W]]b]U' 'h']b] []g' H']g]a' Y]U]b]g]c]i f]h]i h' W]U]a' g]W]f]m]i'
k']h' h' Y]a' h' Y]W]U']Y]b] []Y]c]Z]]j]b] []c]i h]h' U]h]f]i h']b]h' Y]a']b]i h]g'Ub]X'c]i f]g'c]Z]c]i f]X]U]]m]i'
]Z] " H]a' g]k' Y]k'] "]d]i f]g' Y]l' W' 'Y]b]W]Z]k']h]c]i h]U]f]c] []Ub]W'

j : 7\]f]g]h]7]b]h]f]Y'X' '5' W]a' Y]f]b] []W'f]Y]j U]i Y]c]Z]c]i f' []i []X]b] []j]g]c]b']g]U]W' ']c' Z]]h]Z]U]W' '
]c']V]Y]7\]f]g]h]W]b]h]f]Y'X']b]U' 'h' U]h]k' Y]U]F]Y]U]b]X']b]U' 'h' U]h]k' Y]X'c' "K' Y]k'] "]g]Y]]c']V]i]]X]U'
7\]f]g]h]U]b']]V]Y]U' U]f]g' V]U]g'Y'X'W]a' a i b]]h]r]k' \]Y]f]a' Y]b]U]b]X'k' c]a' Y]b]W]b]V]Y]]b]h]c]X]i' W]X]l]c'
U]b]i b]X]Y]f]g]U]b]X']b] []Ub]X'U]d]d]f]W]U]h]c]b'c]Z' c]X]Z' <]g]W]U]h]c]b]U]b]X' []f]U]W]Z]Ub]X]c']i a' U]b]]m]g'
d']U]W'c]Z]d]f]]j]Y]]Y]U]b]X]f]Y]g]d]c]b]g]V]]]m]i]b]h']g]k' c]f' X' 'K' Y]k'] "]g]Y]]c']V]g]U]V]]g]a' U']U]g]d]W]g'
c]Z']Z]U]b]X']Y]f]b] []b]c]h' Y]k' c]f]X'c]Z' ; c]X]Z' Y]U]X']b] []c' U]U]f]a' W]a' a]]a' Y]b]h]c' 7\]f]g]h]U]b]X'
<]g?]b] []X]c]a' "H' Y]U]U'7\]f]g]h]W]b]h]f]Y'X']b]g]h]i]h]c]b]W']g'Z]f' i' g]l]c' Y]g]U]V]]g]a' h' Y]d]f]c]f]]m]i'
c]Z]k' c]f]g']d']Ub]X'g'f]j]W]]b]h' Y]h' Y]7\]f]g]h]U]b']Z] 'k' \]Y]g]Y]]b] []c' X]Y] Y]c]d' U]]Y]b]Y]U]h]c]b'
c]Z]g]i X]Y]b]l]g'k' \]c' W]b']V]Y]U' Y]b]l]g'c]Z]f]W]b]W]]U]h]c]b]c' U]Z]M]c]i' g]W]i f]W']b]U']i f]h]b] []Ub]X'
V]f]c']Y]b'k' c]f' X' "H']g]W]a' a]]a' Y]b]h]W']g'Z]f' U']Z]W']m]i]U]b]X'g]U]Z]Z]c']b]h] []f]U]Y'7\]f]g]h]U]b'
Z]]h']b]U'] "]Y]f]b] []Ub]X'X'c']b] []Z]V]U]g'X'c]b]h' Y]g' d]d]c]g]h]c]b]h' U]h'U']f]i h']g] ; c]X]Z]]f]i h' '
Ub]X'h' U]h]h' Y]f]]g]b]c' W]b]h]f]U]X']W]h]c]b' V]h]k' Y]b] ; c]X]Z]]f]i h' 'a' U]X]Y']b]c' b']c' i']g]b] < c']m]i'
G]M]d]h' f]Y]U]b]X'h' U]h]k' \]W]]g]f]Y]j Y]U]Y]X]c' i' g]h]f]c]i [] \]W]U]h]c]b']Ub]X'b]U]i' f]U']f]Y] Y]U]h]c]b'

j : D]Y]c]d' Y]c' : c]W]g]Y'X' '5' h']f]X']d']U]f'c]b'k' \]W]k' Y]k'] "]V]i]]X]c]i f' W]a' a' c]b' W]a' a']]a' Y]b]l]g'
]g]h' Y]W]f]Y]j U]i Y]c]Z]V]Y]b] []d]Y]c]d' Y]Z'W'g]X' "5' h]h' Y' \]U]f]h]c]Z]c]i f' W]a' a']]a' Y]b]h]c']V]Y]b] []
d]Y]c]d' Y]Z'W'g]Y'X']g]h' Y]j]g]]V]Y]X]Y]a' c]b]g]f]U]h]c]b'c]Z]]U]i]b] []c]b]Y]U]b]c]h]Y]f' "K' Y]k'] "]]j Y] \]c]b]c]f'
]c']b]Y]U]b]c]h]Y]f']h]f]c]i [] \]c]i f'k' c]f]X]g'Ub]X'U]M]c]b]g]Z]Ub]X'V]m]i]W]a' a']]h]b] []c']U]W' d]Y]f]c]b]g'
g' W]g] "K' Y]h' Y]Z'c']f]Y'c']b]h]m]W]a' a']]h]c]i f]g'Y]j Y]g]c' h' Y]g' W]g]g'c]Z]i b]]c]b]I b]]j Y]f]g]h]h'

j : i h' f]Y]8]]f]Y]M]X' K' Y]k'] "]g]Y]]c']a' U]]a']]n]Y' h' Y]k']b]X'c' g'c]Z]c]d]d]c]f]i b]]h]m]h' Y]c]f]X'
 \]U]g]d]f]Y]g]b]h]X]c' i' g]l]c' h' Y] []f]Y]U]h]g]X]Y]]f]Y]h' U]h]f]Y]g]c]i f]W]g'U'c]k' "5"]c]Z]c]i f']f]Y]c]i f]W]g'
Ub]X'Y]Z'c]f]l]g' a' i' g]Z]V]m]i' ; c]X]Z] []f]U]W]Z]V]Y]a' U]]a']]n]Y]X']c']Z']U']c]i f' W]a' a' c]b' a']]g]g]cb' "5'
W]a' a']]a' Y]b]h]c']V]Y]b] []Z] h' f]Y]X]f]Y]M]X' a' Y]U]b]g]k' Y]k' U]b]h]c' \]U]j Y]U]g'c]f]h]h]f]a' Z'W]g'Ub]X'
U'c]b] []h]f]a']]j]Y]k' "K' Y]k' U]b]h]c']b]j c']j Y]c]i f]g'Y]j Y]g]]b]]Z]Z'c]f]l]g' h' U]d]f]Y]d]U]f]Y]i' g]Y]Z]M]j Y]m]i'
]c']]a' c]U]M]h' Y]k' c]f' X'c]Z]h' Y]e]g]h]7]Y]b]i']f]h'

CJ9FJ-9K

9LH9FB5@'5GGC7-5H-CBG

5WWfYX]hYX' 6m

I b]cb I b]j Yfg]m]g UWWX]hYX Vm]h Y Commission on Colleges of the Southern Association of Colleges and Schools f% ** Gci h Yfb @UbYz8 W]h] fZ; 5" SS '!(\$ + fHYd\cbY (S(*+ ") S]Lrc Uk UFXVUUU fYUHza UghfzYX] W]h]cb g]YMU]gZUbXYX] W]h]cb XcW hcfUYXY' fYyG' h YI b]j Yfg]m]Ugc \ Ugh YZ `ck]b[X]g]d]b]YgdV]UW]W]X]h]h]cb.

- American Chemical Society*
- Commission on Collegiate Nursing Education*
- Commission on Accreditation of Allied Health Education Programs*
- Council on Social Work Education*
- National Association of Schools of Art and Design*
- National Association of Schools of Music*
- National Council for Accreditation of Teacher Education*
- Teacher Education Program, Tennessee State Department of Education*
- Tennessee Health Related Boards*

CJ9FJ-9K

AYa VYf' CZ

5a Yf]Wb 5gg V]h]cb'cZ7c`Y] Yg'cZBi fgb[
 5a Yf]Wb 5gg V]h]cb Zcf'7c`Y] Yg'cZHMUYf'9Xi W]h]cb
 5a Yf]Wb 5gg V]h]cb'cZ7c`Y]]UHYF Y]]ghfUgUbX'5 Xa]gg]cbg'cZUWfg
 5gg V]h]cb h'c'5 Xj UbW'7c`Y]]UHYGWcc'g'cZ6i g]bYgg
 5gg V]h]cb'cZ7c`Y]]UHY'6i g]bYggGWcc'g'UbX'Dfc[f]a g
 5gg V]h]cbg'Zcf'7\ f]g]Ubg]b'G]i X]bh8 Y' Ycda Ybh
 5gg V]h]cb'cZGci h Yfb'6Udh]g]7c`Y] Yg'UbX'GWcc'g
 6Udh]g]5gg V]h]cb Zcf'G]i X]bh5 ZU]fg
 7cbWffYbh5 Xa]gg]cbg'Dfc[f]a
 7ci bW'cZ-bX]dYbX]bh7c`Y] Yg
 7ci bW'Zcf'7\ f]g]Ub'7c`Y] Yg'UbX]I b]j Yfg]h]Yg
 7ci bW'cZ6UWU fYUHY'UbX'<]\ Yf'8 Y' fY'Dfc[f]a g'cZ]h YB U]h]cbU'@YU i YZcf'
 Bi fgb[
 7ci bW'cZ7c`Y] Yg'cZ5 f]g'UbX'GM]bWg
 7ci bW'cb] bX]f[fUX] UHYFYg'UfW
 7ci bW'Zcf' h Y5 Xj UbWa YbhUbX'G ddcfh'cZ9Xi W]h]cb
 BU]h]cbU'5 fh9Xi W]h]cb 5gg V]h]cb
 BU]h]cbU'5gg V]h]cb'cZ7c`Y] Y5 Xa]gg]cbg'7ci bgYcfg
 G]f]]WA Ya V]fg'c'ddcfh] b]m]7c`Y] Yg
 Gci h Yfb'7ci bW'cZ7c`Y]]UHY'9Xi W]h]cb Zcf'Bi fgb[
 H]bbYggY'5gg V]h]cb Zcf'7ci bgY]b[UbX'8 Y' Ycda Ybh
 H]bbYggY'5gg V]h]cb'cZ7c`Y]]UHYF Y]]ghfUgUbX'5 Xa]gg]cb'cZUWfg
 H]bbYggY'7c`Y] Y5gg V]h]cb

H<9'75ADIG

H YI b]ei YbYgg'cZ]h YI b]cb I b]j Yfg]m]W]a di g'c'W]h]X'cb I "G"<]\ \k Un() '6m]DUgg' UbX] b]cb I b]j Yfg]m]8 f]j Y]b B cfh k Yg]UWg'cbz]g'fYU]h]X'rc h YUW]X]a]W]UW]h]Yg'UbX' g]i X]bh'ci g]b["I b]cb]g'W]a di g]g'X]Yg] b]X'k]h h Yg]i X]bh]Ug]h]g U]g'5` ZUW]h]Yg'z dfc[f]a g'ZUbX'dYg'cb]b Y' UY]b]m]fYU]h]X']b Ub U]h]a dh]rc 'a Y]h]h YbY]X'g'cZg]i X]bh]g'" 5 gY]bX]W]a di g]g]h]g'c'W]h]X']b h Y]a Ya d\]g]g' Y fVcZ; Yfa U]b]rc bZ'H]bbYggY'" Dfc[f]a g]b] Bi fgb[]z6i g]bYgg'UbX'9Xi W]h]cb UY'U U'U'Y' 5 b'UW]fY]U]h]X'X]g]m]d]h]cb'cZ-UWg'cb'W]a di g'ZUW]h]Yg'Zc`ck g'"5' a cFY X]U]U'YX X]g]m]d]h]cb'cZUW'Vi]X]b[U]g'k Y' U]g]h Yg]f]j]W]g]U U'U'Y]]b YUW]z]g'dfYg]bh]X']b h Y 'Campus Life Handbook'

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)

H\Y' I b|jYfg|hmig' <|ghcfm

I b|cbI b|j Yfg|hmig'Ub\`Yf'cZh'fY'UbHVV`i a`HbbYggY'gWcc`g`K YgH'bbYggY'7c`Y| YUbX`|lg`dfYXWgg'fz`UW'gcb`A UY5WXYa nãVch` `cW\X`U'i`UW'gcbz`UbX`cZ I b|cbI b|j Yfg|hã`cW\X`U'i a`fZY'gVfcf`-h|gh`Y|b\`Y|f'cf`cZ`Ubch`Yf`W`Y|`Y|b`%`&`z` <`U`!`A`ccXni`b|cf`7c`Y|`YcZa`Uf|b`"

UW'gcb`A UY5WXYa nãzi`bXX`|b`%`&`g`cfhmi`Uf`h`YcdYb|b|`cZK`YgH'bbYggY'Zf`gYhYa`Ybãk`Ug`WUfHfYX`Vmih`Y`Y`|g`U'i`fY`|b`%`&`za`U`|b|`|h'h`Y`Uf`|Ygig`Wcc`k` \cg`Yf'cclg`UfY`|b`_YX`k`|h`k` \U`Uhf`VW`a`Yh`Y`Gci`h`Yf`b`6Ud|h`g`7`cbj`Yb|h`cb`"

K`YgH'bbYggY'7c`Y|`Ycf`|`|b`U\X`|b`h`Ya`|X|`%`(`Sgk` \`Yb`g`ddcf`Hf`g`cZ`h`Y5`WXYa`mi`g`W`f`Y`X`U`W`U`f`H`f`Z`f`U`W`Y`|`Y`U`b`X`f`W`j`Y`X`U`b`Y`b`X`c`k`a`Y`b`h`Z`f`c`a`h`Y`g`U`H`f`c`W`a`Y`Z`f`c`a`h`Y`g`U`Y`c`Z`di`V`|W`U`b`X`g`'I`b`X`f`|`g`W`U`f`H`f`Z`h`Y`d`f`c`d`f`l`m`f`|`|`|`g`U`b`X`|`c`j`Y`f`b`U`b`W`c`Z`h`Y`U`W`g`c`b`A`U`Y`5`W`X`Y`a`m`k`Y`Y`j`Y`g`H`X`|b`h`Y`h`i`g`H`Y`g`c`Z`h`Y`7c`Y|`Y`H`Y`7c`Y|`Y`c`Z`f`Y`X`h`f`Y`Y`X`|`f`Y`g`|`V`U`W`Y`c`f`c`Z`|`f`g`Z`U`W`Y`c`f`c`Z`|`|`c`g`d`nã`U`b`X`a`U`g`H`f`c`Z`U`f`g`|`U`b`X` \`U`K`Z`i`f`X`Y`d`U`f`h`a`Y`b`lg`'A`c`f`U`D`|`|`c`g`d`nã`U`b`|`i`U`Y`g`Z`a`U`h`Y`a`U`|`W`Z`U`b`X`B`U`i`f`U`D`|`|`c`g`d`nã`U`b`X`7`Y`a`|`g`f`m`k`Y`g`H`bb`Y`gg`Y`7c`Y|`Y`W`b`h`i`Y`X`i`b`|`|`%`+(`z`k` \`Y`b`U`h`U`h`a`Y`c`Z`X`Y`d`f`Y`g`Y`X`Y`b`c`a`|`W`b`X`|`h`c`b`g`h`Y`f`i`g`H`Y`g`c`Z`f`Y`X`h`Y`7c`Y|`Y`g`V`i`|`X`|b`|`g`|`f`c`i`b`X`g`Z`U`b`X`Y`b`X`c`k`|`a`Y`b`h`c`H`bb`Y`gg`Y`6`U`d`|`h`g`|b`h`Y`c`d`Y`g`c`Z`H`f`U`M`|b`|`U`g`c`i`h`k`Y`g`H`f`b`f`Y`|`c`b`U`i`b`|j`Y`f`g`l`m`i`d`U`b`Y`X`V`m`h`Y`g`U`H`g`6`U`d`|`h`g`Y`U`X`f`g`"

A`Y`u`k` \`|`Y`Z`U`f`m`U`f`g`c`Z`|`g`W`g`|`c`b`U`b`X`h`Y`f`U`|`g`|b`|`c`Z`U`b`Y`b`X`c`k`a`Y`b`h`h`Y`6`U`d`|`h`g`|`Y`b`Y`f`U`5`g`g`y`a`V`m`c`Z`H`bb`Y`gg`Y`|b`%`(`Y`g`U`V`|`g`Y`X`I`b|cbI`b|j`Yfg|hmU`i`a`i`f`Z`Y`g`V`c`f`z`b`Y`f`h`Y`|`Y`c`|`f`U`d`|`W`'W`b`H`f`c`Z`h`Y`g`U`H`'H`Y`g`W`c`c`W`a`Y`i`d`c`b` \`U`X`h`a`Y`g`k` \`Y`b`|b`%`)-`|`g`|`|` \`m`f`Y`g`d`W`M`X`d`f`Y`g`X`Y`b`ã`c`g`d` \`9`U`c`b`z`X`|`Y`X`U`b`X`k` \`Y`b`X`i`f`|b`|`h`Y`7`|`j`|`K`U`f`|`g`W`a`d`i`g`k`U`g`V`U`K`n`X`U`a`U`Y`X`-`h`f`Y`c`d`Y`b`Y`X`|b`%`*`,`c`b`m`i`c`W`c`g`Y`U`U`b`|b`%`+'`z`U`f`|`Y`m`i`V`W`i`g`Y`c`Z`|`g`U`b`U`W`'W`b`X`|`h`c`b`U`b`X`U`Y`d`|`X`Y`a`|`W`c`Z`W`c`Y`f`U`"

Gci`h`k`Y`g`H`f`b`6`U`d`|`h`g`i`l`b|j`Yfg|hã`h`Y`|a`a`Y`X`U`H`d`f`Y`X`W`g`c`f`c`Z`h`Y`d`f`Y`g`b`h`i`b|cb`I`b|j`Yfg|mk`U`g`U`V`|`g`Y`X`Z`c`a`U`X`Y`g`f`Y`V`m`H`bb`Y`gg`Y`6`U`d`|`h`g`z`k` \`c`g`|` \`U`K`U`g`d`U`f`U`Y`W`b`j`Y`b`|`c`b`Z`f`Y`U`W`c`Z`h`Y`g`U`H`g`h`f`Y`Y`:`f`U`b`X`8`|j`|`g`|`c`b`g`z`f`|`f`Y`U`f`i`b`|`U`W`|`h`c`b` \`9`X`i`W`|`h`c`b`V`W`a`Y`h`Y`W`f`Y`|`g`|`Y`U`f`c`i`b`X`k` \`|`W`'g`W`i`b`|`U`W`|`h`c`b`k`U`g`d`f`c`a`c`h`X`"7`c`a`a`|`H`Y`g`c`Z`h`Y`h`f`Y`Y`W`b`j`Y`b`|`c`b`g`a`Y`h`c`|`b`h`i`m`|b`<`i`a`V`c`X`i`|b`%`+'`U`b`X`|`g`g`Y`X`U`f`Y`g`c`i`h`c`b`g`|`d`d`c`f`|b`|`h`Y`g`U`V`|`g`a`Y`b`h`c`Z`U`f`g`H`W`g`g`f`Y`|`c`b`U`i`b`|j`Yfg|hã`5`b`9`X`i`W`|`h`c`b`U`7`c`b`j`Y`b`|`c`b`a`Y`h`|b`A`i`f`Z`Y`g`V`c`f`|b`%`+(`Z`U`b`X`Z`c`k`|b`|`h`U`h`U`W`a`a`|`H`h`Y`k`U`g`U`d`d`c`|`b`h`X`i`c`g`Y`W`U`c`W`|`h`c`b`Z`f`h`Y`d`f`c`d`c`g`X`i`b|j`Yfg|hã`H`Y`W`a`a`|`H`h`Y`f`Y`W`a`a`Y`b`X`X`h`Y`U`W`d`U`b`W`c`Z`h`Y`c`Z`Z`f`a`U`X`Y`V`m`h`Y`W`H`n`Y`b`g`c`Z`U`W`g`c`b`c`U`g`g`a`Y`c`k`b`Y`f`g`|`d`c`Z`K`Y`g`H`bb`Y`gg`Y`7c`Y|`Y`"

-b`G`d`h`ã`V`f`%`+(`z`h`Y`b`Y`k`|`b`g`|`h`i`h`c`b`c`d`Y`b`Y`X`U`h`U`W`g`c`b`U`g`U`W`X`Y`a`nã`U`b`X`|b`%`+`)|`h`k`U`g`W`U`f`H`f`Y`X`U`g`C`e`i`h`k`Y`g`H`f`b`6`U`d`|`h`g`i`l`b|j`Yfg|hm`-`b`%`S`-`z`H`'H`'9`U`c`b`z`U`f`i`g`H`Y`U`h`i`G`e`i`h`k`Y`g`H`f`b`Z`c`a`|`g`Y`|b`|b`|b`|`z`V`e`i`U`h`Y`X` \`|`g`*`z`S`S`j`c`i`a`Y`|`V`U`f`m`i`c`h`Y`W`Y`|`Y`<`Y`k`U`g`U`Z`f`a`Y`f`d`c`Z`g`g`f`U`h`i`b|cbI`b|j`Yfg|hmU`i`a`i`f`Z`Y`g`V`c`f`z`k` \`Y`Y`|`g`Z`h`Y`z`c`!`g`d` \`9`U`c`b`z` \`U`K`V`Y`b`d`f`Y`g`X`Y`b`h`'G`c`f`h`m`i`h`Y`f`U`f`m`i`h`Y`b`U`a`Y`c`Z`G`c`i`h`k`Y`g`H`f`b`6`U`d`|`h`g`i`l`I`b|j`Yfg|mk`U`g`U`V`|`Y`X`i`c`I`b|cbI`b|j`Yfg|h`i`c` \`c`b`c`f`h`Y`9`U`c`b`g`U`b`X`c`h`Y`f`g`Z`c`a`I`b|cb`U`i`a`i`f`Z`Y`g`V`c`f`k` \`c` \`U`X` \`U`X`U`a`U`c`f`|`a`d`U`W`i`c`b`'G`e`i`h`k`Y`g`H`f`b`U`g`Z`W`'h`ã`U`X`a`|b`|g`|`f`U`c`f`g`z`f`i`g`H`Y`g`Z`U`b`X`W`b`h`f`|`V`i`h`f`g`-`b`U`Z`f`h`Y`f`a`c`j`Y`c`i`b`|`Z`n`|`g`Y`X`i`W`|`h`c`b`U`Y`Z`c`f`h`z`h`Y`H`bb`Y`gg`Y`6`U`d`|`h`g`7`c`b`j`Y`b`|`c`b`|b`%`&`g`W`f`Y`X`U`b`Y`k`W`U`f`H`f`k` \`|`W`'j`Y`g`H`X`U`'f`|`|`|`g`z`U`h`c`f`|`nã`U`b`X`d`f`c`d`f`h`m`c`Z`i`b|cbI`b|j`Yfg|h`i`c`h`Y`7`c`b`j`Y`b`|`c`b`z`|b`W`X`|b`|`h`Y`Y`W`|`h`c`b`c`Z`h`Y`I`b|j`Yfg|hã`g`f`i`g`Y`g`'H`k`c`m`U`f`g`U`h`f`z`h`Y`7`c`b`j`Y`b`|`c`b`k`U`g`U`Y`Y`c`W`b`g`c`|`X`U`H`<`U`!`A`ccXni`b|cf`7c`Y|`Y`U`h`a`U`f`|b`f`%`S`S`!`%`&`L`k`|h`I`b|cbI`b|j`Yfg|hã`8`i`f`|b`|`h`Y`%`&`S`g`z`I`b|cb`X`|`g`W`b`h`i`b`i`Y`X`|`g`|`f`U`X`i`R`

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H`Y`D`f`Y`g`X`Y`b`z`h`Y`8`Y`b`c`Z`G`i`X`Y`b]g`U`b`X`h`Y`1`X`]W`U`g`n]g`h`a`c`Z`h`Y`I`b]j`Yfglmi`U`F`Y`
W`U`f`]Y`X`k`]h`h`Y`U`X`a`]b]g`f`U`h]cb`c`Z`X`]g`M`d`]b`Y`H`Y`m`U`F`Y`a`d`c`k`Y`Y`X`l`c`f`i`Y`]b`U`b`m]f`!
f`Y`i`U`f`]m`d`Y`f`h]U`]b]b[`l`c`g`h`i`X`Y`b`h`]Z`U`b`X`]a`d`c`g`Y`f`Y`X`Y`a`d`h]j`Y`X`]g`M`d`]b`Y`Zcf`W`a`a`i`b]l`m`i`
j`U`i`Y`g`j`c`U`h]cb]g`U`g`Y`d`f`Y`g`Y`X`]b`h`Y`Campus`Life`Handbook`H`Y`1`X`]W`U`m`]Q`g`

5WUXY a]W' Dfc [fU a

8YÚb]h]cb'cZ' 5WUXY a]W'HYf a g

8Y[fYYg

I b]cb]I b]j Yfg]hncZf]gY[\hifUX]h]cbU i bXYf[fUXi UY'XY[fYYg] 6UWYcf'cZ5 flgZ
 6UWYcf'cZA i g]W'6UWYcf'cZGMbWZ'6UWYcf'cZGMbW']b' A YX]W' HWWbc'c[nã
 6UWYcf'cZGMbW']b' 9b[]b'Yf]b[z6UWYcf'cZGMbW']b' B i fg]b[z6UWYcf'cZGMbW'
]b' 6i g]b'Ygg'5 Xa]b]g]fU]cbz]bX'h Y6UWYcf'cZGcWU' K cf_í UbX'g]Y' Yb' [fUXi UY'XY'
 [fYYg] h'YA U]m'cZ9Xi W]h]cbz]h YA U]m'cZ5 flg]b' 9Xi W]h]cbz]h YA U]m'cZ6i g]b'Ygg'
 5 Xa]b]g]fU]cbz]h YA U]m'cZGMbW']b' B i fg]b[zA U]m'cZ5 flg]b' b]h]m'W' h' fU' Gi X'
]Yg]h Y9Xi W]h]cbU' GdY]U]]g]UbX'h Y8 cW'cf'cZ9Xi W]h]cb' fKYg]W]VX']b' h' Y[fUXi UY'
 W]U'c[i Y'5 Xi 'hGi X]Yg'dfc[fUa gU'YXYg]W]VXY'g]k \ YF]]b' h' Y *Catalogue*"

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5' gi XYb]h' a Um' U Yk c VUWU' fUY'XY[fYg]WbZf]fYX'k \ Yb' h' Yf]Yei]f]Y' a Yb]g'cZ
 Vch' \ U] YVYb' a Yzdfc]]XYX'h Ygi XYbh' U]gUa]b]a i a 'cZ' S'fYg]XYbh' \ci fg]t' cZfz
 cj Y' UbX'U'cj Y'h U]f]Yei]f]YX'Z'f' h' Y'U'f]g]X]Y[fYY'5' b'Yk' a U'cf']b]W' X]b]]'Ua]b]a i a '
 cZ%' i ddYf' Y' Y' \ci fg]b' h' Ya U'cf' H]U' Yb' U]h' b]cb' UbX'U'bm]d]f]Y'ei]g]h]g]t' h' Ya U'cf'
 a i g]h'VY'Wa d' Y'hX'Z'f' h' Y'g]Wb'X]X]Y[fYY"

I dcb' W'a d' Y]h]cb' cZXY[fYY'f]Yei]f]Y' a Yb]g]z]h Y'gi XYbh]g'Uk U'fYX' h' Y'U'd]f]c]d]f]U'Y'
 X]d'ca UZ'f' \]g# \ Y' X]Y[fYY"

7fYX]h' <c i f'

H'Yi b]h]z'f' W'i b]h]b[W]X]h]g]h' Y'g]a Y'g]m' \ci f'"5' g]a Y'g]m' \ci f']g]XYÚb]YX'U]g'U'
 \ci f' cZ]W]g]k cf_ 'Uk Y'Y' z'cf']h]g]Yei]j U'Ybh]b' U'W'cf'U'cf]nãdi fg' YX'Z'f' cb]Y'g]a Y'g]m'

: i''!H]a Y'Gh i XYbh'

H' VY]W]g]g]ÚYX'U]g'U'Z' ''!H]a Y'gi XYbh'Xi f]b] U]g]a Y'g]m'f]Z]g]i XYb]h' a g]h]W]f]m]U'W]X]h'
 \ci f' c'UX'cZ%'&g]a Y'g]m' \ci fg'Z'f' Z' ''!H]a Y'g]U]h' g]b] h' YK]b]h]f' H]f'a' cf' YU'W'cZ]h' Y'
 G' a a Y'f' H]f'a' g]Z]g]i XYb]h' a g]h]W]f]m]Ua]b]a i a 'cZ]h'fYY' \ci fg'

+*

; fUXYg'UbX' E i U']hm' Dc]bhg

- 5']g]f]Yg]f] YX'Z'f' d]Y'Z'f'a UbW'h U]h]g]XYÚb]h]Y'm]g' d]Y[cf']b'ei U]]h'
- 6']g]Z'f' W]b]g]h]b]h]m]]ccX'k cf_ 'h U]h]g]U'c]j Y'U] Y'f]U' Y'
- 7']g]Z'f' g]h]g]Z]M'f]m]d]Y'Z'f'a UbW'
- 8']g]Z'f' a]b]a U' d]U]g]b] "
- : ']b]X]W]h]g]Z]]i fY'

6ch' Dfc[fYgg'F'Ydc]f]g'UbX':]bU'; fUXYg'U'Y'f]Ydc]f]h'X'V'm' Y'h]m'k \]W'a U]h]VY]]b]h]f'
 d]f]Y'h]X']b' d]Y'f]W]b]U] Y'Ú[i fYg'5' -) !%\$S\$6' ;) !- (z7 +) !, (z8 *) !+ (z: 'V'c]k' *) "'5 z6 z7 z'
 UbX'8 U'Y'd]U]g]b] [fUXYg':]g]Z]]i fY/B]g]U' X]h' h' Y[fUXY'cZ'z]]b]X]W]h]b]]b]W'a d' Y'h'
 k cf_ zã i g]h'Y'a UXYi d]k]h]]b]h' Y'U'f]g]h]U] Yk Y'Y' g'cZ]h' Y: U' #Gd]]b]]g]a Y'g]m'f'Z' `ck]b] '
]gg] UbW'ch' Y'k]g]z]h' Y'W'i f'g]]g] fUXYX'h' fY'U'W]h' Y]]b]W'a d' Y'h'k cf_ "H' Y[fUXY'cZ' d'

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GW\c`Ugh]W`FY[i`Uh]cbg

H`Ycb`mUWdHVY`y`Y`cZk`cf_`Zcf[fUXi U]cb`Uhl`b]cbI`blj`Yfglm]lg&S`cf`Uvcj`Y`
H`cgy`k`c`ZU`te`UW]y`Yh`U`Y`Y`k`j`Vyd`UWX`cb`UWXa`JWdfc`VU]cb`

=Zh`Y`g`i`XybhUW]y`Yg`U`Wa`i`U`h`j`Y`D5`c`Z`U`h`Y`U`g`i`&S`Z`U`W`X`a`JWdfc`VU]cb`g`U`h`g`
k`j`V`Y`j`a`YX]U`h`m`f`Y`a`c`j`YX`=Zh`Y`g`i`XybhZU]g`r`U`W]y`Y`h`Y`&S`D5`zh`Y`g`U`h`g`c`Z`
U`W`X`a`JWdfc`VU]cb`U`g`g`Z`f`k`c`Z`g`y`a`Y`g`h`f`g`U`b`X`h`Y`g`c`f`h`f`a`f`g`L`h`U`h`j`a`YX]U`h`m`i`
Z`ck`K`Y`h`Y`g`i`Xybh]g`c`b`U`W`X`a`JWdfc`VU]cb`.

%`5`b`c`Z`U`W`U`b`c`h`W`k`j`V`Y`g`b`h`r`h`Y`g`i`Xybh`

&`H`Y`U`W`X`a`JW`U`X`j`g`f`k`j`a`c`b]`c`f`U`d`f`c`f`U`a`c`Z`g`i`X`Y`g`W`b`H`U`b]b]`f`Y`d`Y`h]`c`b`c`Z`

W`i`f`g`y`g]`b`k`j`W`8`g`U`b`X`:`g`g`U`j`Y`V`Y`b`Y`U`f`b`Y`X`U`b`X`k`j`i`f`Y`Y`X`i`W`j`c`b`c`Z`i`f`U`W`f`!

f]W`U`F`U`M`j`j`h`Y`g`U`b`X`k`c`f`_`

'`H`Y`U`W`X`a`JW`c`U`k`j`V`Y`j`a`j`h`X`r`c`b`e`h`i`a`c`f`Y`h`U`b`Z`i`f`h`Y`b`c`i`f`g`

(`H`Y`5`g`g`g`U`b`h`F`Y`j`g`f`U`k`j`W`i`b`g`Y`g`i`Xybh]g`b`X`j`j`i`U`m`U`g`b`Y`X`X`

=Z`m`h`Y`b`X`c`Z`h`Y`k`c`d`f`c`VU]cb`U`f`m`g`Y`a`Y`g`h`f`g`U`W`a`i`U`h`j`Y`D5`c`Z`&S`U`g`b`c`h`V`Y`b`
U`h`U`b`Y`X`z`h`Y`g`i`Xybh`k`j`V`Y`g`g`d`Y`b`X`Y`Z`c`a`h`Y`i`b]j`Y`f`g`l`m`z`c`f`c`b`Y`Z`g`y`a`Y`g`h`f`H`Y`F`Y`
j`g`b`c`U`d`d`Y`U`d`Y`a`j`h`X`Z`f`h`j`g`g`g`d`Y`b`g`c`b`H`Y`g`g`d`Y`b`g`c`b`k`j`V`Y`U`Z`g`y`a`Y`g`h`f`/`b`c`
W`a`V`b`U`j`c`b`c`Z`g`c`f`h`f`a`g`k`j`g`V`g`h`i`h`7`c`Y`Y`g`h`m`j`W`m`k`j`b`c`h`U`k`a`j`h`U`g`i`Xybh`i`
g`g`Y`b`X`Y`Z`c`a`U`b`c`h`Y`f`W`Y`Y`^`c`k`Y`Y`Z`j`Z`W`X`j`h`j`g`Y`U`f`b`Y`X`U`h`U`b`c`h`Y`f`j`b`g`h`i`h`c`b`k`j`Y`
h`Y`g`i`Xybh]g`g`d`Y`b`X`Y`Z`c`a`I`b]c`b`z`h`U`h`W`X`j`h]g`b`c`h`U`d`d`j`W`V`Y`r`c`k`U`F`X`U`X`j`f`Y`U`i`
I`b]c`b`

5`Z`m`g`f`j`j`b]`h`Y`d`Y`f`c`X`c`Z`g`g`d`Y`b`g`c`b`z`h`Y`g`i`Xybh]g`Y`j]j`V`Y`r`c`f`Y`i`f`b`i`d`c`b`U`d`d`j]`!
W`h]c`b`Z`f`f`Y`U`a`j`g`g`c`b`H`Y`g`i`Xybh`f`Y`b`h`f`g`c`b`U`W`X`a`JW`dfc`VU]cb`U`b`X`j`g`U`U`b`j]j`Y`b`
k`c`g`y`a`Y`g`h`f`g`k`j`h`h`Y`g`c`f`h`f`a`f`g`L`h`U`h`Z`ck`r`U`W]y`Y`h`Y`f`Y`e`i`j`f`Y`X`W`a`i`U`h`j`Y`&S`
;`D5`=Zh`Y`g`U`h`g`Z`U`m`f`m`g`U`b`X`j]b]`j`g`b`c`h`U`W]y`Y`X`z`h`Y`g`i`Xybh`k`j`U`U`b`V`Y`g`g`d`Y`b`X`Y`Z`
c`a`h`Y`i`b]j`Y`f`g`l`m`5`Z`m`U`Z`g`y`a`Y`g`h`f`g`g`d`Y`b`g`c`b`z`h`Y`g`i`Xybh`X`Y`g`f`j`b]`r`c`f`Y`i`f`b`k`j`
V`Y`f`Y`e`i`j`f`Y`X`r`c`f`Y`U`d`d`m`r`c`h`Y`5`X`a`j`g`g`c`b`g`7`c`a`j`h`Y`c`Z`h`Y`i`b]j`Y`f`g`h`h`

5WUXY a]W`-bhY [f]hm

I`b]c`b`I`blj`Y`f`g`l`m`i`d`c`X`g`h`Y`\\j]`Y`g`h`g`U`b`X`U`F`X`g`c`Z`c`b`Y`g`h`m`i`6`m`h`Y`f`Y`b`c`a`Y`b`h`U`i`
I`b]c`b`z`g`i`Xybh]g`U`Y`U`f`Y`j]b]`r`c`f`Y`Z`U`b`Z`c`a`h`Y`i`g`Y`c`Z`i`b`U`h`c`f`n`Y`X`U`X`g`X`i`f]b]`h`g`h`
j]b]`z`r`c`f`Y`Z`g`Y`r`c`j]j`Y`c`f`f`Y`W]j`Y`j]b`Z`c`a`U`j`c`b`c`b`Y`U`a`j]b`U`j`c`b`g`z`U`b`X`r`c`h`i`f`b]b`c`b`m`h`c`g`Y`
U`g`g]j`b`a`Y`b`g`k`j]W`U`F`Y`h`Y`f`Y`g`h`c`Z`h`Y`f`c`k`b`Y`Z`c`f`g`U`b`X`f`Y`g`U`F`W`":`U`i`f`Y`r`c`d`f`c`j`j`X`Y`
W`f`f`Y`W`i`X`c`W`a`Y`b`h`U`j`c`b`Z`f`a`U`h`f]U`[`Y`b`Y`X`Z`c`a`U`b`m`i`c`i`h`j`X`Y`g`e`i`f`W`Z`g`W`U`g`h`Y`-b`!
h`f`b`Y`h`c`f`U`b`m`i`d`V]g`Y`X`#`i`b`d`i`V]g`Y`X`k`c`f`_`z`W`b`g`h`i`h`g`d`U`j]U`f]g`a`Z`U`Z`c`a`c`Z`W`Y`U`j]b]`
g`V`Y`W`i`r`c`g`h]W`i`X]g`M`d`j]b`U`f`m`U`j`c`b`"6`f`Y`U`W`Y`g`c`Z`h`Y`g`Y`g`U`b`X`U`F`X`g`k`U`f`U`b`h`U`W`X`a`JW`U`b`X`
X]g`M`d`j]b`U`f`m`U`b`g`Y`e`i`Y`b`W`g`"D`c`j]W`Y`g`U`b`X`d`f`c`W`X`i`f`Y`g`z`j]b`W`X`j]b]`U`d`d`Y`U`d`f`c`W`X`i`f`Y`Z`U`F`Y`
X`Y`j]Y`X`j]b`h`Y`Campus`Life`Handbook`

; fUX i Uh]cb`FYe i]fY a Ybhg

G`i`Xybh]g`a`U`m`i`f`U`X`i`U`h`i`b`X`Y`h`Y`W`i`f`g`Y`f`Y`e`i`j]f`Y`a`Y`b`l`g`g`d`Y`W`U`Y`X`j]b`h`Y`Catalogue`c`Z`
h`Y`m`U`f`c`Z`h`Y`f`U`k`a`j`g`g]c`b`c`f`h`c`g`Y`U`h`Y`h`j`a`Y`c`Z`h`Y`f`U`d`d`j]W`h]c`b`Z`c`f`[`f`U`X`i`U`j`c`b`=-Z`U`j`Y`
m`U`f`g`^`U`j`Y`Y`U`d`e` A`

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H Y Wa d Yhcb'cZ%& \ci fg'i g U'mfYei JfYg'Zi f nYUfg'cZ' &\ci fg'dYf nYU" CZ h YgZ'h YZ'Yg'a UbX'gd\ca cfYmUgUFYgdYbhjb WfYWffjW' i a "b'h Y'Y' Ybh%& \ci fg'Uj YbchVYyb'a YhVmh YWa d Yhcb'cZ'h YUvej YWa dcbYbhgZYWmj YWi fgYg' cf UXXj]hcbU'a Ucf#g'a]bcfg'a i ghVYUfbYX'rc gUhgZ'nh YVUUbW'

GdYUWU'cfYfYei JfYa Yblg'UFYfYei JfYX'VmU' dfc[fUa g'Y Wdh'h Y6'GB 'z6'GA 'H' UbX'6'A "XY' fYg' Gca YfYgf]Wjcbg[Udd'nrc k UFX'h YdUj]b[c'za UcfUg'XXY' fYg'h Y HU'YcZl'5 WXX'a]Wdfc[fUa g']bX]WYg'h cgy'fYgf]Wjcbgk \ YfYUdd'jWVY'

-B 588-HCB HC Hk 956CJ 9zHk 975B8-85H9: CF; F58I 5HCB 'A I GH

- i 'DUgg'h Y9b| 'lg' DfcU'WbW'9l Ua]bU]cb'
- i 'GWYXi 'YUbX_ Yd Uh'YUghcbY; fUXi U]cb'5 i X]hUddc]bla Ybh
- i :]YUb Udd'jW]cb Zcf [fUXi U]cb
- i '7 YU'U' U'Wwi blg'UbX' WbX]hcbg'k]h' gWcc' cZ]Wg' f]bW'a d' Yh'gZ' WUdY'z' UbUbWU'cV] U]cbgZ'YWE'

Gi a aUfm'cZ' A]b]a i a 'FYei]fYa Ybhg'Zcf' ; fUXiUh]cb

H YgY'UFY'cj YFU' a]b]a i a g']bX]j]Xi U' dfc[fUa g'a UmfYei JfYU' \ [\ Yf' Y' Y' cZ dYfZ'fa UbW'G W' dfc[fUa g'UFYbchX']b h Yf' Uddfcdf]UH'XYdUfa YbHU' g'W]cb' H']g' g' a a Ufm'XcYg'bch]bhX'rc 'VYU']bW' g] Y'; fYUhf' X]HU']g'dfcj]XX'cb YUW'rcd]W cb'hYZ' c'ck]b['dU' Yg'

G'a Yghf' \ci fg'fYei JfYX'Z'f VUWY'cf]g'XY' fYU'%&
 · cZk \]Wza i ghVYUfbYX'UhUVUWU' fYU'gWcc')*
 · cZk \]Wza i ghVYUfbYX'UhI b]cb'I b]j Yf]g]m'&1 l
 · cZk \]Wza i ghVYUfbYX'cb'h Y'1 b]cf#g'Yb]cf' Y' Y' -
 · cbYa Ucf]z'rc]bW' XY'1 b]cf#g'Yb]cf' \ci fg]l%&1
 · cbYa]bcf]z'rc]bW' XY'1 b]cf#g'Yb]cf' \ci fg]l*1 ..

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 ; fUXYDc]bh5j YFU' Y' Wa i 'Uhj Y'&SSS
 7i a i 'Uhj YUW'a Ucf'&SSS
 7i a i 'Uhj YUW'a]bcf'&SSS
 ·]H'HU' WXX'h' \ci fg'rc 'VYUfbYX'UhI b]cb'I b]j Yf]g]m]rc' a Yh'fYg]XYbW'fYei JfY' a Yblg'
 'H5 g'WbX'a Ucf'a UhfVYUfbYX']b']Y' cZUa]bcf'5' a Ucf'fYei JfYa Yblg'UFY']b YZ'W'W' Z'f YUW'a Ucf'gci [\h'U' a]bcf'fYei JfYa Yblg'UFY']b YZ'W'W'Z'f YUW'a]bcf'gci [\h'

Gi a aUfm'cZ' AU]a i a 'FYei]fYa Ybhg'Zcf' ; fUXiUh]cb

HEU' g'a Yghf' \ci fg'Udd'jWVY'rc [fUXi U]cb Ug'YUfbYX'Vm
 · 7@9DE7996zG'a]bUfm'9l hbg]cbzUbX'7cffYg'dcbXYbW'&
 · 'cZk \]Wz'WffYg'dcbXYbW'a UmbchY' WXX'&
 · : fca' bcb'VUWU' fYU'W' Y' Yg'+&
 · 6m]bXYdYbXYbhGi Xn'-
 · 6mGdYU' Gi Xn'-
 · 6m]bhfbg']d'-
 · 6m7ccdYfU]j Y9Xi W]cb'-
 · 6mGi Xn'5 WcUX'&%

A]b]a i a 'FYg]XYbWY

: cf' YUW' i bXYf[fUXi UY'XY' fYU' [fUb'X' VmI b]cb'I b]j Yf]g]m'Uh' YUgh'&1 'cZ'h Y' \ci fg'fYei JfYX'a i ghVYUfbYX'h'fci [\]bg'fi W]cb' VmI b]cb'I b]j Yf]g]m'H'Y' Ugh') *
 g'a Yghf' \ci fg'Z'f UVUWY'cf]g'XY' fYU' a i ghVYUfbYX'UhI b]cb'I b]j Yf]g]m'Y' Ugh') fYU' W' Y']Y' H'Y' Ugh'& \ci fg'cZ'h Yg') * a i ghVYUfbYX'UhI b]cb'I b]j Yf]g]m'Y' Wdh]b' dY' dfc'Z'g]cbU' dfc[fUa g']5bmXY']U]cb' Z'ca 'h']g'dc']W'a i ghVYU' h'cf]nYX']b' k' f]h]b' Vmh' YF']g'fU'

; YbYfU`7cfY'FYe i]fY a Ybhg'Zcf'5``6UW\Y'cf'8Y[fYYg

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GdYWjÚW'7cfY'FYe i jfYa Ybhg'Zcf'U'6UW\Y'cf'cZ'GWjYbWY'
]b'6 i g]bYgg'5Xa]b]ghfU]cb
fHb'5XX]hcb lc hY; YbYfU'7cfYFYei jfYa Ybhg' * \ci fgH

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,)

5 bmgI XYbhk \c \UgU'YXUb Udd]W]hcb Zcf [fUXi U]cb'a i gh\Uj Y\UXUb Uddc]bh
a Ybhk]h h Y5 gg]g]UbhFY]g]fU'cf h Y8]fYMc'f cZHMUYf 9Xi W]hcb Zcf U; fUXi U]cb'
5i X]h'HAY; fUXi U]cb'5i X]hg'ci 'XVY]bXi f]b[h Y1 b]cf mU' "b h Yy YbhUgi XYbh
\Ug]bchU'YXU; fUXi U]cb'5i X]hVnh Y]h Y\Y#g\Y\UgU'YXUb Udd]W]hcb Zcf [fUXi !
U]cbz\Y#g\Yk]''VY[]j Yb i bh' '8 YWa VY %Zcf Gdf]b[#G a a Yf [fUXi U]cb UbXi bh'
A Un%Zcf: U`#K]bhf [fUXi U]cb' "Z]h Ygi XYbh\Ug]bchU'YXU; fUXi U]cb'5i X]hVnh U
X]hZ\]g# Yf bUa Yk]''VYXfcdYXZca h Y [fUXi U]cb']g]zUbX'h Ygi XYbhcb]UYX"

:UWi`hm`5ddfc jU`

5 ``WbX]X]hYgZcf [fUXi U]cb'a i ghVYUddfcj YXVnh YZUM'h5 ``WbX]hcbg' fUbg
Zf`W]X]h]bW'a d`hY [fUXVzUbX'WUdY`UhhbXUbWXYU`VbW]g' g'ci 'XVYfYa cj YX
Vnh YcdYb]b[`cZ]h Y`U]hgYa Y]hY"

5ggYgg a Ybh'cZ'9b [`]g\`DfcUW]YbWm

H [fUXi UY'k]h UVUWU fYU'XY fYz'gi XYbl'ga i ghY'a cbgfUYdfcU`VbW]b'
h Y i gY'cZ]h Y9b [`]g\ `Ub [i U Y`HAY'ec`Zcf`UggYgg]b [`dfcU`VbW]g' WffYbhmiVY]b [`
fYgUFWYX`HAYfYei]fYa Ybhk]''bchVYf]bg]U]hX'Zcf`h'cgY`Wa d`Y]b [` [fUXi U]cb'
fYei]fYa Yblgdf]cf`tc : U`GYa Y]hY'&S)"

:]bU`9IU a]bU]cbg

7ca dfY Ybg] YUbu`Y Ua]bU]cbgUfYfYei]fYX'cZU`gh XYbl'g]bU`Wi fYg'k \YfY
Wb]h]h]g]Uddfcdf[U]Y`HAYUbu`Y Ua]bU]cb]h'a Y]g`]g]hXk]h h YI b] Y]g]hM`YbXU`
5`gh XYbhk]h h fYfYcf'a cfYUbu]Ugcb'cbYXU]h'a UnfYei Y]hcbYcZ\]g#\ Yf`dfcZ]gg'fg]c`
fYgWYXi `YcbY] Ua]bU]cbz]c`Ubch Yf`h'a YXi f]b [`Ubu]gk YZ`zdfc]X]X'h YfYei Ygi
dfW]X]gh Y`U]h YZ`cZ]W]gg`"Z]h Ygi XYbhUbX'h YdfcZ]gg'f`Wb]bchY]g: j Yh YgWYX
i `]b [`dfcVYa z]h Ygi XYbhg'ci `X]U_Y\]g#\ Yf`fYei Y]h]c`h`YfY]]g]fU"

, * <YU`h\`DfcZYgg]cbg. DfY!DfcZYgg]cbU`UbX`DfcZYgg]cbU`7 i ff]Wi`U#@]VYfU`
5fhg!DfcZYgg]cbU`8Y [fYfYg

DfYdfcZ]gg]T g a YdfcZ]g W

57589A=7'DFC: F5A

t

57589A:7DFC;F5A

,

W* E#P LPE PDPUP PDPVP

57589A=7DFC; F5A

,

5X a]gg]cbg

5X a]gg]cb'Dc`]Wm

I b]cbI b]j Yfg]mgY_g]c YXi W]Y]gi XYb]g]c VYg]fj Ubh`YUX]fgz]YUX]n]c W]f]m]c]i h
h]Y]j cW]j]c]b`]c`k` \]W`; cX` \]G`W`YX]h Ya z]UbX`Yei]dd]YX]k]h`h`YU]`]h]Yg]b]W]g]f]m]i

58 A-GG-CBG

9

5Xa]gg]cA'cz'Gh iXYb]g'Kp 6 'S`QURmR<Qj Y85G6UW\H' bfigL W \ E \
8Y[fYY

5bmg]i XYbh\U]b['fUXi UHX'Zca 'Ub'UWXX]HX'i bXXf[fUXi Uh]bg]h Hcb'a Uni
VYUXa]hX'ic I b]cbI b]j Yfg]mVmh YZ`ck]b['dfcWgg

2x 5bP%a Qgg]obg G]hD]W]jcbV]bX]C]b]hVZ]hX]O]Y]E]U]d]V]M]R]C]Z]Y]H]H

&" G Va]hUb'cZ]U]U' hUb]g]M]dhUg]dfccZcZh YXY[fYY'Ufb'YX"

BhV]O]g'X]j]E]P'V]W]P]Y]h]C]U]W]U]K]F]U]W]X]Y]D]O]U]V]f]b]h]E]S]i]W]Y]X]O]c]g' V]R]P]U]g]O]X]M]p 0
hUb]Z]f'Z'fa 'i b'Ygg]gd]W]U'V]F]W]a'g]h]b]W]g]U]f]g]Y]h'g'ck 'Ub]W]g]g]h]m]5'fcc'a'X]Y]d]c]g]h]g'

58A=GG=CBG

..

k]`VYfYeI]fYX`lc`a`YhH`YgLa`YfYeI]fYa`Yblg`Zcf`UXa`]gg]cb`UgU`ch`Yf`fUbg`Zf`gi`!
XYblg`Ugk`Y`Uga`YH]b`]h`YfYeI]fYX`HC`9: @gWfY`

5 b`=8S`Zca`a`UmVY`]gg`YX`VmH`Y8`]fYMcF`cZ5`Xa`]gg]cbg`cb`m`Umf`UXa`]gg]cb`
fYeI]fYa`Yblg`UbX`h`YUvcj`Ya`cb`YUfmf`YeI]fYa`Yblg`U`Y`VYVb`g`Uhg`UYX`

5 g`U`WbX]h]cb`c`ZH`Yf`UXa`]gg]cbZ`YUW`]bhfb`U]cbU``gi`XYbhk`]`VY`fYeI]fYX`lc`
Ybfc`U`gUz`U`]ha`Ygi`Xyhb]b`Wi`fgYk`cf`_`HJ`cfYX`Zcf`h`Yf`i`b]ei`Ycf`]YbH]cb`bYXg`
lc`]bW`XY`Vi`hibh`VY`ja`]hX`lc`/7@`%8z7@`%8z9B;`%8z9B;`%8zUbX`=G7`%)`
-bhfb`U]cbU``gi`XYblg`k`]`VY`Uxj`]gYX`VmU`]bhfb`U]cbU``gi`XYbhUxj`]gcfz`Ug`k`Y`Ug`
VmU`Uggj`]bYX`ZUW`hmi`Uxj`]gcf`]b`h`Yf`a`Ucf`XydUf`ha`Yblz`Xi`f]b]`]h`Yf`Uf`gim`U`6ch`
h`Y`]bhfb`U]cbU``gi`XYbhUxj`]gcf`UbX`h`Y`XydUf`ha`YbH`U`Uxj`]gcf`a`i`g`iVY`Wb`g`h`X`]b`
fY`]g`fU]cb`XYM]g]cbg`

5Xa]gg]cb`hc`GdYW]U`Gi`a`a`Yf`Dfc`[fU`a`g`

8 Ygl`]bYX`Zcf`g`Y`MmX`gi`XYblg`k`c`_`U`Y`Y`Wa`d`YhX`h`Yf`ZYg`a`Ub`cf`gd`a`ca`cfY`
mYU`cZ`\\`g`Wcc`z`]fgh`Ghd`gi`XYblg`k`]`VY`U`ck`YX`lc`HJ`Yi`d`lc`Zei`f`WmX]h`ci`fg`
]b`h`YgdY]WU`]nYX`Wi`fgY`Zcf`h`Y`W`ghc`ZcbY`WmX]h`ci`fzd`i`ga`Uhf`Ug`ZgY`cf`U`VcfU`
lc`fmZYgZ`ZUdd`]WV`Y`H`Y`Wi`fgY`]b`gf`i`Wcf`a`i`g`i`fU`bhdYfa`]gg]cb`":]bU`UW`Wd`H`bW`
]b]c` :]fgh`Ghd`]ga`UXY`cb`m`Umf`Ud`Yf`gcbU`]bh]f`]Yk`k`]h`h`Y`]b`gf`i`Wcf`Xi`f]b]`k`_`]W`
h`Y`gi`XYbh]g`Ug`_`YX`lc`XYa`cb`gf`U`H`]g#`Yf`]bh]f`Y`ghk`]h`g`ddcf`]b]`a`Umf`U`g`g`W`Ug`
df`]bhX`a`U`Hfz`H`Ud`YgZcf`dcf`Zc`]c`dfY`g`bH]cbg`

: cf`UXa`]gg]cb`]b]c` :]fgh`Ghd`Z`h`Y`gi`XYbha`i`g`ig`Va`]h`Ub`Udd`]W]h]cb`Zcf`UXa`]gg]cb`
lc`I`b]cb`I`b]j`Yf`g`h`a`Udd`]W]h]cb`ZYZ`\\`g`Wcc`]fUbg`W]dh`LbX`Udd`]WV`YZ`Yg`Df`]j`UY`
VX`fcca`g`UbX`g`j`YfU`a`YU`d`Ubg`UfY`c`Z`fYX`UhfY`i`U`f`W`Y`Yf`U`H`g`Z`gi`XYblg`XYg`fY`
lc`]j`Ycb`Wa`di`g`

F]g]b`[`<]`GW`cc`GYb]cf`Dfc`[fU`a`

9]Wd]cbU`_`\\`g`Wcc``gi`XYblg`Z`Umf`Wa`d`Yf`]b]`h`Y`1`b]cf`mYU`cZ`\\`g`Wcc`z`
a`UmY`Ub`W`_`Y`Y`WmX]h`Zcf`Uxj`Ub`WXd`U`Wa`Ybh`Vm`U`H`bX]b]`cb`Ycf`Vch`g`a`a`Yf`h`fa`g`
H`Y`F`<`G`G`]g`XYg]`]bYX`Zcf`g`Y`MmX`_`\\`g`Wcc``gi`XYblg`k`c`.

5 "`<`U`Y`Y`Wa`d`YhX`h`Y`1`b]cf`mYU`k`]h`U`6`U`Y`YfU`Ycf`U`S`5`7H`7ca`dcg`h`cf`U`
-`S`G`5`H`7ca`V]bYX`

6 "`<`U`Y`Y`Ya`cb`gf`U`H`X`lc`h`Yf`df`]b]WdU`cf`]i`]X`Lb`W`Wi`bg`Ycf`g`Z`U`Y`b`ha`U`i`f`]mi`
lc`dfc`U`h`Zca`W`_`Y`Yk`cf`_`"

6Yz`fYVY]b]`UXa`]hX`lc`h`Y`dfcf`fUa`Z`b`Udd`]W]b`ha`i`g`ia`Yh`h`Yz`c`k`]b]`g`h`b`X`U`f`X`g`
UbX`_`U`Y`h`Yz`c`k`]b]`]b]Z`fa`U`]cb`cb`U`Y`]b`h`Y`C`Z`U`W`cZ5`Xa`]gg]cbg`

%`5`b`UXa`]gg]cbg`Udd`]W]h]cb`UbX`Udd`]W]h]cb`ZY`

&`5`_`\\`g`Wcc`]fUbg`W]dhc`Z`U`Y`g`Ya`Y`g`f`g`

'`5`fY`Wa`a`Yb`X`U]cb`Z`ca`h`Y`gi`XYbh]g`df`]b]WdU`cf`Wi`bg`Y`cf`

5`a`U`]a`i`a`c`Z`g`j`Yb`g`Ya`Y`g`f`_`ci`fg`a`UmY`Y`Ub`YX`]b`YUW`c`Z`h`Y`k`c`g`a`a`Yf`
h`fa`g`G`h`XYblg`]b`h`Yf`<`G`G`Dfc`[fUa`a`UmYbfc`_`]b`Wi`fg`Ygk`_`]W`k`]`bch`Wb`U`]W`k`]h`
Wi`fg`]h]lc`VY`gi`X]YX`]b`h`Y`g`b]cf`mYU`cZ`\\`g`Wcc`"

5`ZYcZ`%`S`S`S`dY`_`ci`f`]g`WUf`]YX`Zcf`h`Y`U`f`g`i`F`<`G`G`_`ci`fg`I`d`lc`Zei`f`U`X]h]cbU`
`ci`fg`a`UmY`Y`H``Yb`Zcf`U`U`h`ZYcZ`%`S`z`g`W`h`U`h`Ya`U`]a`i`a`W`g`h`Xc`Yg`bch`Y`W`X`
_`() `S`dY`h`fa`"Fcca`UbX`V`U`f`]g`U`Y`U`V`Y`U`h`Y`fY`i`U`f`U`H`g`

B`c`g`h`i`XYbha`Um`d`U`f`]W]U`Y`]b`h`Yf`<`G`G`Dfc`[fUa`k`c`Xc`Yg`bch`d`Ub`lc`f`Yi`fb`lc`
_`\\`g`Wcc`Zcf`Wa`d`Yf`]cb`c`Z`h`Y`g`b]cf`mYU`

GdYW]U`7`UhY`[cf]Yg`cZ`5`Xa`]gg]cb`

Dfcj`]g]cbU`G`h`XYblg`K`]h`_`]a`]hX`Y`]Wd]cbgZ`dfcj`]g]cbU``gi`XYblg`UfY`Ybfc`_`YX`Ug`
XY`fY`]gY`_`]b]`gi`XYblg`H`Y`g`Y`gi`XYblg`Xc`bch`U`Y`]a`a`YX]U`Y`U`W`gg`lc`cZ`U`M`Xc`W`!
a`Yblg`]b`cf`Xm`lc`VY`Z`_`m`i`UXa`]hX`"5`bm`WmX]h]U`Yb`k`_`]Y`]b`h`]g`g`U`h`g`k`]`bch`VY`
H`Ubg`Z`fYX`U`g`fY`i`U`f`a`Uf`]W`U`h`X`WmX]h]i`b]`h`Y`g`U`h`g`_`U`g`c`Z`U`M`m`i`VY`b`W`Ub`]YX`
G`i`XYblg`k`]`VY`fYeI]fYX`lc`g`Va`]hU`_`ci`]g`h`LbX]b]`]h`a`g`lc`Wa`d`Yh`UXa`]gg]cbg`Zcf`
h`Y`dfcj`]g]cbU`g`U`h`g`lc`VY`W`Ub`]YX`

H Ygi Xybhk]`VYVci bXVniU`[YbYFU UWXa JWYei JfYa Yblg]a dcyXi dcbZ `mi a Uf]W`UHx gi Xyblg gc ZF Ug dfYfYei JghYgzei Ubl]miUbX`ei U]hmcZk cf_ "5`k cf_` Wa d`YHXcf`UHYa dhXk]`VYXcWa YbhXcb`h YUWXa JWYfX`

H Ygi Xybhk]`g[b UwbhfUMUhi Yha YcZUXa Jggcb XYUbl]b[`dfcj JgcbU`gUli g` UbXUWdh]b[`h Y`ja]hUjcb`cZhu UhgUli g` H Ygi Xybhia i ghig[b`Uk Uj Y`Zf`I b]cb` I blj Yfglmc`fYei Ygh`cgyXcWa YblgbYXXIc Wa d`YhY`h YUXa Jggcb UY`5 gi Xybh i a UnifYa Uj`cb`dfcj JgcbU`gUli g`Zf`cb`mcbYgYa Ygh`f`UbX`h Yg VgYei Ybhg`cfhHfa ` i b`Ygg`gdYMU`VfWa g`UbWg`Yl JghUbX`Ub`Yl`hbgjcb`Jg[]j Yb`]b`k`f]h]b[`Vm`h Y8 JfWmf` cZ5 Xa Jggcbg`5`dYfgcbU`WbZfYbWk]h`h`Y8 JfWmf`cZ5 Xa Jggcbg`a UnifYfYei JfYX` VYZ`fY`h Ygi Xybh]g`UWdhX`Zf`UXa Jggcb`cb`Udfcj JgcbU`VUjg`

Bcb!8 Y fYGY`_Jb[`Gi Xyblg`Gi Xyblg`a UnifYUXa]hX`Ic`H`_YWi`fgY`Zf`gdYMU`]bhYghic`Ug`U`j Jgh]b[`gh`Xybl`Zf`Ua`U`ja`i`a`cZ`%&gYa`Ygh`f`^ci`fg`7`UggY`a`Unif`YHU`Yb`Zf`WYX]hcf`U`X]hcb`UgdUW`U`U`UYVUjg`Gi`Xyblg`a`i`gha`YhU`fYei`JfY` a`Yblg`Zf`UXa`Jggcb`lc`WUb[`YZca`Bcb!8 Y fYGY`_Jb[`lc`8 Y fYGY`_Jb[`gUli`g`5` dYfgcbU`WbZfYbWk]h`h`Y8 JfWmf`cZ5 Xa Jggcbg`Jg`fYei JfYX`VYZ`fY`h`Y`gi`Xybh]g` UWdhX`Zf`UXa Jggcb`cb`h`Jg`VUjg`Gi`Xyblg`UXa]hX`Ug`bcb!X`YfY`a`i`ghif`Udd`mi`YUW`gYa`Ygh`f`#Hfa` "

58 A=GG=CBG

5X jUbWYX`D`UWY`a`Ybh`UbX`7`fYX]h`Vm`9`I`U`a`]bUh]cb

D`UWa`Ybh]g`g`Xy`YcdYX`Vmi`b]cb`I`blj`Yfg]h`mia`UnifYUXa`]b]gh`fYX`]b`U`XydUfH` a`Yblg`fYdfYg`bhX`]b`h`Yw`fYw`ff]W`i`a`"B`c`WYX]h`k`]`VYUk`UFX`Z`f`I`b]cb!Xy`YcdYX` h`g`g`h`Y`^ci`fg`fYei`JfYX`]b`h`Yw`fYk`]`VY`g`Uhg`U`X`U`h`U`]]`^Y`f`Y`Y`"

B`UjcbU`mfYw`[`b]nYX`WYX]h`Vm`Y`Ua`]bUjcb`dfc[`fUa`g`]bW`X]b[`h`Y`5`Xj`UbW`X` D`UWa`YbhDfc[`fUa`c`Z`h`Y`7`c`^Y`Y`9`bh`UbW`9l`Ua`]bUjcb`6`c`U`X`f7`996Lz`h`Y`7`c`^Y`Y` @`y`Y`9l`Ua`]bUjcb`Dfc[`fUa`f7`@9Dz`7`c`fYg`dcb`Xy`b`W`UbX`9l`hbgjcb`WYX]h`z`-bhfbU` h]cbU`6`UW`U`fYU`f6L`UbX`8`5`B`H9G`G`H`a`UnifY`UWdhX`"7`fYX]h`k`]`VYUk`UFX`Z`f`f`U`b]b[`fYw`j`YX`]b`h`Y`a`]`]h`fmg`Yf`j`JW`]b`UW`f`X`Ub`W`k`]h`fY`Wa`a`Yb`X`Ujcb`g`c`Z` h`Y`5`a`Yf`]W`b`7`ci`bW`cb`9`X`i`W]h`cb`f5`79E`"Ch`f`5`79E`Y`U`i`U`X`d`f`c[`fUa`g`a`UnifY` UWdhX`i`dcb`fY`Jk`"

7`fYX]h`k`U`fYX`V`mg`W`ggZ``Wa`d`Y`h`cb`c`Z`7`996z`7`@9Dz`8`5`B`H9G`UbX`-6`Y`Ua`g` UbX`Z`f`5`79E`Uddfcj`YX`f`U`b]b[`h`f`ci`[`^`bcb!W`^Y`j`U`Y`g`dcb`g`f`Y`X`Y`i`W]h`cb`z`]b`W`X]b[` ^`Vi`hbch`ja`]hX`Ic`h`Ya`]`]h`f`n`z`]g`U`ggj[`b`Y`X`g`Ya`Ygh`f`^ci`fg`k`]h`ci`hei`U`]h`m`d`c`]b]g`"

)

5XjUbWYX'D'UWYaYbh'Dfc[fUa'cZ'h\Y'7c''Y[Y'9bhfUbWY'9IUa]bUh]cb'
6cUfX'fl7996t

I b]cbI blj Yfgl[mk]``Uk UFX'WYX]hk]h`[fUXYgcZ' cfUvcj Y

7996Hgi I b]cbDUFY'G Vg]h H 7fYXh

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5flic ]gcfm"....."bcBY#5FH&%s"....."
lCh Xlc 5fh"....."bcBY#1 ddY``Yj Y Y`Wmj Y"....."
6]c'c[m"....."6-C %sS#b#U"....." (
7\Ya ]gfm"....."7<9%) `cf%%&#`b#U"....." (
7ca di hf'GMbW5"....."bcBY#7G7 `@ck Yf``Yj Y 9`Wmj Y"....."
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9Wbca ]Wg"....."97: %%%&#`b#U"....."*
9b] ]g\ `@Ub[i U YUbX7ca dclg]cb"....."9B; %%%&#`b#U"....."
9b] ]g\ `@hfUhfYUbX7ca dclg]cb"....."9B; %%%&#`b#U"....."*
: fYbW@Ub[i U YUbX7ca dclg]cb".....": F9%%&#`b#U"....."*
; Yfa Ub`@Ub[i U Y"....."; 9F%%&#`b#U"....."*
; cj Yfba YbhUbX'Dc`]hWZl b]hXGHhg".....": DG7 %%%&#`b#U"....."
7ca dFUhj Y; cj Yfba Ybh".....": DG7 ` % `#`b#U"....."
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< i a Ub; Yc[fUd\m"....."bcBY#; 9C `@ck Yf``Yj Y 9`Wmj Y"....."
@Ujb"....."@5H%%&#`b#U"....."*
A Uh Ya U]WZ7UW'i g56"....."A 5H&%%&#`b#U"....." (
A Uh Ya U]WZ7UW'i g67"....."A 5H&%%&#`b#U"....."
D\ng]Wg6".....": D< M&%( `#`b#U"....."
D\ng]Wg7iA YWUb]W".....": D< M& %`#`b#U"....."
D\ng]Wg7i9/ < ".....": D< M& &#`b#U".....")
DgnWc'c[m".....": DGM&% `#`b#U"....."!
GdUb]g\ `@Ub[i U YUbX@]hfUhfY".....": GD5 %%%&#`b#U"....."*
GU]g]Wg".....": A 5H%& `#`b#U"....."

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*

Df]bVd`YgcZA UMcWbca]Wg'97: `&# b#U'
 Df]bVd`YgcZA UbU Ya Ybh' : : A; H' % `# b#U'
 Df]bVd`YgcZA]McWbca]Wg'97: &# # b#U'
 H[]cbca Yfm' "A 5H%&# #b#U'
 K Ygfmb 7lj]]nUjcb = 5 bV]bhB Yk 9Ughc % (, ""< -G%&# #b#U'
 K Ygfmb 7lj]]nUjcb = % (, !c h YDfygbh ""< -G%&# #b#U'

f `5 XX]hcbU` \ci fgUFYUk UFXX!c h Ygi Xybh]h Ug dY]cf hghgWfYk \]W'a UnUdd`ni`
 !c U@U] i U Ya Ucf#a]bcf i debXYa cbgfU]cb`cZdcU]WbWzcf Uxa]ggcb!c " SS! Y`Y`
 W! fg'g'
 H `&S%cf &S&UgbYXX`

85BH9G'G i V'YWh' GhUbXUFx]nYX'HYghg

7fyX]h]k` VYUk UFXYZcf dUgg]b] gWfYgUgXYUbYXVni5 79.

85BH9GHgi	I]]cbDFU`Y`Gi Vg]h H`	7fyX]h
5bh.fcdc`c]n; YbYU`	bcbyY#GC7`@ck Yf`Y`Y`9`Y`Mj Y`	
5fhcZ]h YK Ygfmb K cf X`	5FH9`Y`Mj Y`#5`FH&S`	
5g]fcbca m`	bcbyY#11D<`M9`Y`Mj Y`	
6i]bYggz-blfcXi W]cb`	: A; H%#`#b#U`	
6i]bYgg@Uk` =`	"A; H' & `#b#U`	
6i]bYggA U] Ya U]Wg`	bcbyY#9`Y`Mj Y`	
7lj]`K Uf/` FYWbgfi W]cb`	< -G'` &#b#U`	
7c`Y] Y5`Y] YfUz: i bX]a YbHUg`	"A 5H%&# #b#U`	
7ca di Hf`k]h Dfc] f]a a]b]]b`65`G=7`	bcbyY#7G7`@ck Yf`Y`Y`9`Y`Mj Y`	
7ca di]b]]z-blfcXi W]cb`	bcbyY#7G7`@ck Yf`Y`Y`9`Y`Mj Y`	
7ci bgY]b[] : i bX]a YbHUg`	bcbyY#DGM@ck Yf`Y`Y`9`Y`Mj Y`	
7f]a]bU`i g]W`	bcbyY#GC7`@ck Yf`Y`Y`9`Y`Mj Y`	
8fi] / `5`W`c`5`Vi`gY`	D9K`G`%`#b#U`	
9bj]fcb]a Ybh/` < i a U]]m`	bcbyY#D<`M`%`	
9h]Wg]b`5`a`Y]W`	bcbyY#D<`@&(`	
:]bU]WU`5`W]i`b]h]b[]`	"577`&# #b#U`	
:]bU]WZDf]bVd`Yg`	97: `&S`#b#U`	
: ci bXU]hcbgcZ9Xi W]hcb`	"1`981`%`S`#b#U`	&
< YU]h`z<`YfYg]c`nei`f`	D9K`G`&`#b#U`	
< i a U]b`7i`h`i`fU`;` Yc]f]Ud`n`	bcbyY#;`9C`@ck Yf`Y`Y`9`Y`Mj Y`	
< i a U]b`FYgci`fWA`UbU`Ya`Ybh`	: A; H(`&#b#U`	
@Uk`9bZcfWa`Yb]z-blfcXi W]cb`	bcbyY#@ck Yf`Y`Y`9`Y`Mj Y`	
@ZYCdUb`8`Y]`Ycda`YbhDgnWc`c]m`	DGM&#`#b#U`	
A`UbU`Ya`Ybh-bZ`fa`U]cb`Gng]Ya`g`	"A; H'`%`#b#U`	
A`]XX`Y9U]gz-blfcXi W]cb!c`A`cXYfb`	bcbyY#<`-G9`Y`Mj Y`	
A`cbYm/`'6]b_]b[]`	bcbyY#97: `9`Y`Mj Y`	
Cf]]b]nU]hcbU`6YU`]cf`	"A; H'`(``#b#U`	
DYfg`bU`:]bU]W`	"497: `(%)`#b#U`	
Dng]W;`Yc`c]m`	bcbyY#11D<`M9`Y`Mj Y`	
Dng]W`GM]bWZDf]bVd`Yg`	"D<`M9%&# #b#U`	
Di`V]WcdYU`]b[]zDf]bVd`Yg`	bcbyY#7CA`@ck Yf`Y`Y`9`Y`Mj Y`	
Gcj`Y]h]b]cbzF]gY/`:]U`	< -G(`&S`#b#U`	
G]U]h]g]WZDf]bVd`Yg`	"A 5H%&# #b#U`	
G`dYf]]g]cbzDf]bVd`Yg`	: A; H'`%`#b#U`	
HWb]W`K`f]h]b[]`	bcbyY#9`Y`Mj Y`	
J]Yb]U]a`K`Uz<`]g]cfm`	bcbyY#<`-G@ck Yf`Y`Y`9`Y`Mj Y`	
K`Ygfmb`9i`fcdYz7cb]h]a`dcfUfm%`(*`%-`S`	bcbyY#<`-G`&S`	
K`cf`XYFY]]]cbgz-blfcXi W]cb`	"D<`@`(``#b#U`	

H[]`H[]`Yh`Yf`h`Yk`c`h]g]g`VZcf`D<`M%&Zcf`hMUWY`]]Wbg`fYdfc]f]U]a`g`
 `1`"GY`h`Y8`]fYMc`Z`H`U`W`Yf`9Xi`W]hcb`fY]`UFX]b[]`h`Y`UYX`Y`dYf]YbWfYei`]fYa`Ybh`
 i`i`"A`UnibchVYHU`Yb`UZMf`YUfb]b[]`W]X]h]b`6CC`@`(&S`
 "A`UnibchVYHU`Yb`UZMf`6CC`@`(%`"
 "A`UnibchVYHU`Yb`UZMf`YUfb]b[]`W]X]h]b`A;`H'`%`zA`?`H'`&`z6CC`@`(&S&Zcf`6CC`@`(&S`

58A=GG=CBG

+

... 'A UmbchVYHU_Yb UZMf'6CC@(') "

'4 'A UmbchVYHU_Yb UZMf YUfb]b[WXX]h]b'7< 9'cf D< M

'44 'A UmbchVYHU_Yb UZMf'6CC@') S'

-bhYfbUh]cbU`6UWWU`U i fYUhY

I b]cbI blj Yfg]hmLk UfXgWYX]hZcf'g WggZ `Wa d Y]cb'cZg'YWMXdfc[fUa g'cZh Y
-bhYfbUh]cbU`6UWWU`U fYUH`7ci fgyWYX]hk]`VYUk UfXYX'Ug]bX]WHX`]b'dUfYbh Y'g'g
fl"=6`@Y Y'fYZfglc'Gcf'G Vg]X]Ura< `cf<]|\Yfzb#UcfY]h Yf`Y Y]gUWdHUfY`

	A]b]a i a`	'6`	I b]cb
7ci fgy`	Gwfy`	@Y Y`	DUFU`Y fWYX]L
5fl#8Yg] b	.....)	.....G	5FH&%% fl L
6lc'c[m	.....)	.....b#U	6-C %\$&fl L
7ca di Hf'GM]bW	.....)	.....G	7G7 %%%fl L
7ca di Hf'GM]bW	.....)	.....<	7G7 %&fl L
9b[]g\ 5%	.....)	.....<	9B; `8&&fl L
; Yc[fUd\m	.....)	.....b#U	9C %&fl L
<]g'cfm]9i fcdY	.....)	.....<	< -G%\$&fl L
<]g'cfm]5Z]W	.....)	.....<	< -G@ck Yf`Y Y 9'YWM]fl L
<]g'cfm]9#G9'5gU/ 5Z]W	.....)	.....<	< -G@ck Yf`Y Y 9'YWM]fl L
<]g'cfm]5a Yf]Wg	.....)	.....<	< -G&%%&]fl L
A Uh Ya U]Wg	.....)	.....<	A 5H`fl L
A Uh `A Yh.cXg	.....)	.....G	A 5H]fl L
A Uh `Gh X]Yg	.....)	.....G	A 5H]fl L
A Uh z5 Xj UbW	.....)	.....G	A 5H&S) fl L
A i g]W	.....)	.....<	A I G&&S fl L
A i g]W	.....)	.....G	A I G&S]fl L
GdUb]g\ 6	.....)	.....b#U	GD5 %&fl L
Gi glbYgg/ Cf[Ub]h]cb	.....)	.....b#U	Gi glbYgg]4 I ddYf`Y Y
9W]bca]Wg	.....)	.....b#U	97:]fl L@ck Yf`Y Y
-bZ`HW`]b; `cWU`Gc]Wm	.....)	.....G	A; H' %\$fl L
DgnWc'c[m	.....)	.....b#U	DGM` fl L@ck Yf`Y Y
GcWU`5bh.fcdc`c[m	.....)	.....<	GC 7`)) fl L

58 A-GG-CBG

'1`i deb'dfYg]b]h]cb'lc'5 fli: UW`hmcZUWdHUfY`ci fbU

H`Udd`]WV`Ylc; YbYfU`7cfYfYei]fYa Yblg

`Udd`]WV`Ylc GdY]UW`cfYfYei]fYa Yblg

... Udd`]WV`YlgUb`Y]W]j Ylc`h Ya Ucf'cf'a]bcf`]bX]WHX

'4`Udd`]WV`YlgUb`Y]W]j Ylc`UbmGC65`a Ucf'cf'a]bcf`

Bcb!HfUX]h]cbU`Dfc[fUag

: cf hi]h]cb UbXZYgd`YUgYgYh Y CataloguegW]cb Yb]hYX5 Xi `hGi X]Yg'

F]g]b[`GYb]cfg

5 ZYcZ`%\$S`\$S`dYf`^ci f]gWUf[YXZcf hYUfgh' F< GG`^ci fg'I d hc Zei f UXX]h]cbU`
\ci fga UmVYH_Ub Zcf UUhZYcZ`% Szg W hUh Ya U]a i a `WghXcYgbc hY WX`
() \$dY hf a "Fcca UbXVcUFX]gUj U`WYUih hYf]i `UfUHg'

FYZi bXg

5" 5 Xj UbW8Ydcglg`Zcf B Yk`Gi Xyblg

5`h]h]cb XYdcglhcZ`&SS`lgfYei]fYX`Umf`UWdhLbW`Zcf`Uka]gg]cb`hc`fygYf] YU
d`UW`]b`WUgg`H`]g`XYdcglhUdd`]Yg`hc`h`Yh]h]cb`Zcf`h`Y`Ybhf]b[`gYa`Yghf`5`^ci`g`
]b[`XYdcglhcZ`%\$S`]g`WUf[YX`Zcf`fcca`fygYf] U]cb`]b`U`fyg]XybhWa`d`Y`Yg`5`
h]h]cb`UbX`fyg]XybhW`Wa`d`Y`XYdcglhik]`VYfYZ`bXYX`]Zh`Y`WbW`U]cb`UbX`fY`
ei`Ygh]ga`UXYVm`A`Unf`Zcf`U`gYa`Yghf`Z`B`cj`Ya`Vf`%`Zcf`K`]bhf`hfa`z`8`Wa`Vf`
%h`Y`Gdf]b[`gYa`Yghf`Z`UbX`A`Unf`Zcf`G`a`a`Y`"BC`F9`I`B`8`K`=@@69`;-J`9B`CB`
75`B`79`@5`H`CB`GA`5`8`9`5`:`H`F`H`-`9`C`9`8`5`H`G`="Z`h`Y`gi`Xybh]gbc`h`UWdh`X`Zcf`
U`ka`]gg]cbzU`XYdcglhgk]`VYfYZ`bXYX`F`Yei`Yg]g`Zcf`fYZ`bXc`Zi`]h]cb`XYdcglh`a`i`gi`
VYg`Va`]h]X`]b`k`f`]h]b[`hc`h`Y8`]f`Y`Wf`c`Z5`Xa`]gg]cbg'

6" 5`gi`Xybhk`]h`XfUk`]b[`Zca`U`WUggYgk]`VYfYZ`bXYX`h]h]cbz`^ci`g]b[`WUf[`YgZ`
W`i`fgY`UbX`cf`]Yb]H]cb`ZYg`UWw]X]b[`hc`h`Y`WUfh`VY`ck`"FYZ`bXg`cb`WZhf]Uk]`
VYdfcf`U`X`hc`h`Y`YbX`c`Zh`Y`k`Y`_`]b`k` \]W`h`Y`gi`Xybhk`]h`XfUk`g`"Gi`Xyblgk`]h`

:B5B7=5@:B:CFA5H:CB

(&

gHjZmUbmifYa U]b]b[VUUbWUghi XYbha Unick Yi b Ygg'gdYUjX'VniH Ygci fWlc' VYfYi fbYX]bZ `cf]b dUH'K]hXfUk U'cWff]b] 'cb'cf'VZcfY'hY*Si `dY]cXcZ Ybfc`a YblzWV'UH'X'i g]b['WYbXU'XUhgzk]`fYei]fYUdefh]cb'cZH]hY=J 'Z bXg' Uk fYX'fDY` ; fUblzG dd'Ya YbHU 9Xi W]cbU' Cddeh] b]m] fUblz' YXfU' DY_]bg' @cUbz: YXfU' GUZcfX'@cUbz: YXfU' D@ G'@cUbzVi hbch: YXfU' K cf_ 'Ch Xni'VY fYi fbX']b'UWfXUbW'k]h' dfcj]g]cbg'cZh.Y<][\Y'9Xi W]cb'5a YbXa Yblg'cZ %- , "H]g'a UnifYg' 'h]b'h.Y.gi XYbhck]b['UVUUbW'lc' I b]cb'I b]j Yfg]hmf'h.Y : YXfU' ; cj Yfa Ybl'

< " < ci g]b['8Ydcg]g

5' gi XYbhi[fUXi U]b]b['cf'a cj]b['ci hcZh YfYg]XYbW'Wa d'Yl' d'Yfa UbYbhnia i gh []j Yk f]h]b bch]Wlc' h.Y8]fYMc'cZF Yg]XYbW@]Z]lc' gYw'fYUfYZ bXcf'h.Y'ci g]b['XYdcg]h'fYei Yg]Zcf'fYZ bXXUH'g'g'Ya Ygh'f#H'fa 'a U'W'h'cg'Y]b5"Uvcj Y'

<c k'hc'CVhU]b'U'7fYX]h'cZ'=bgh]h i h]cbU'7 \Uf [Yg

He cVU]bUWYX]hcZ]bg]h]h]cbU'WUf[Yg'ZUgi XYbha i gh]bch]Zni b]cbG]h]cb'cf'h.Y 5WXYa]W'Ybhf'UbX']bX]W]h'Y'UghXUmk \]W' \YUhbX'X'W'gg' "H]g]]bZ'fa U]cb' k]` VYfW'fYX'cb Uk]hXfUk U'fYw'fX'UbX'dUgg'X'lc' h.YcZU'W'g'cZGi g]bYgg'G]fj]Wg' UbX:]bUbWU'5]X'Zcf'W'W'U]cb'cZ'WYX]hcZ]bg]h]h]cbU'WUf[Yg'UbX'UXi g]a YbhcZ UbUbWU'Ugg]g]UbW'

9e i]da Ybh

5bmiI b]j Yfg]hmiYei]da Yblz'a i g]W']bg]fi a Yblz'U'h'Y]h]W'ei]da Yblz'U'vcfU'cfmi UddU'Ui g'Z'Yw'Z'a UXYU]U'UV'Y'Z'f'gi XYb]g'Ni g'Y]g'h.YfYg]cbg]V']h]mcZh.Y.gi XYb]h' 5bmiXUa U]Ycf'VfYU'U]Z'ch.Y'f'h.Ub'Vmbcf'a U' i g'Z'k]` VYWUf[YX'lc' h.Y.gi XYb]h'g' UW'i bh' 'B'c'Yei]da Ybh]g'lc' `YU]Y'h.Y'Wa di g'Z'i b'Ygg']b'W'fY'cZh.Y.ZU' h'nia Ya V'f' fYg]cbg]VY'Zcf']h'

GW\c`Ufg \]dg'UbX' :]bUbW]U'5]X

H'Y'W'g]hcZUW'`Y]YXi W]cb']b]j]h]U'mifYg]i dcb'h.Y.gi XYb]h]UbX' \]g# \Y'Z'a !]m'h.Y:]bUbWU'5]X'cZU'W'fi 5C'EcZI b]cb'I b]j Yfg]hmiY]g]g'lc' \Y'd'a U'YUI b]cb' YXi WU'] A W W U' b ° U U W U i H U

∴B5B7:5@:B: CFA5H=CB

('

q U

5 kUfX' Bch]ÚWUh]cb

'%5 dd]Wb]gk]`VYbc]ÚYXcZh Y]f'Uk UFXdUWU] Yj JUUb'5k UFX@YHM" H\Y5k UFX
5 WdHbW: cfa g\ci `XVYg] bYXUbXfYh fbYXh h Y: 5 C k]h.]b h.Y]ja YgdW]ÚYX
cb h\Y5 WdHbW: cfa "

:B5B7=5@`B: CFA5H=CB

)

FYe i|fY a Ybhg#Dfc j|g|cbg

· %HNYZ`ck|b|`gWc`Ufg`|dgfYei|fYUgh|Xybh|c`a|U|b|U|b|Ua|]b|a|i|a|; D5`lc`fY|U|b`
 · h`Yg`Wc`Ufg`|d`"9l`Um; D5`fYei|fYa`Ybhg`fYg`dYU`X`cb`h`Y5k`fX`@`YHf`
 · `GwC`UfgcZ9l`W`Yb`WGWc`Ufg`|dgf`DfYj`Xybh|Uz`Dfcj`cg`hZ8`Yub|Zl`b|j`Yf|ghz`7c`!
 · `Y|JHML`
 · `5`WXYa`|WGWc`Ufg`|d`
 · `7`i`fW`UbX`7`cbj`Ybh|cb`A`|b|gfm`GWc`Ufg`|d`
 · `s`i`b|cf`7c``Y|`YGWc`Ufg`|d`
 · `A`|gg|cb|Ufm8`YdYb`Xybh`GWc`Ufg`|d`
 · `Gya`|b|Ufm8`YdYb`Xybh`GWc`Ufg`|d`
 · &`GWc`UfgcZ9l`W`Yb`WGWc`Ufg`|dgz`A`|gg|cb|Ufm8`YdYb`Xybh`GWc`Ufg`|dz`UbX`Gya`!
 · |b|Ufm8`YdYb`Xybh`GWc`Ufg`|d`fY`Uk`fX`YX`Z`f`Ua`U`|a|i|a`cZ`&`g`ya`Yg`Mf`ci`fg`
 · 5k`fXa`Um`YUdd`|YX|ck`fXg`Ubm`fY|i`f`c`f`c`j`Yf|ja`Y`ci`fg`Z`f`ZU`zk`|b|hfz`g`d`f|b|z`
 · cf`g`a`a`Y`h`fa`g`"5`WXYa`|WGWc`Ufg`|d`UbX`77A`GUFY`Uk`fX`YX`Z`f`Ua`U`|a|i|a`cZ`
 · Y|`h`fY|i`f`g`ya`Yg`Mf`"s`i`b|cf`7c``Y|`YGWc`Ufg`|d`|g`Uk`fX`YX`Z`f`Ua`U`|a|i|a`cZ`
 · fY|i`f`g`ya`Yg`Mf`"
 · "Gi`Xybh`ga`i`g`ia`Y`h`h`Y`f`Yei`|f`Ya`YbhgcZl`b|cb|g`G|U|b|X|f`XgcZ`U`h`g`Z`U`m`c`f`m`5`WXYa`|W`
 · Dfc|fYgg`Z`f`:`|b|Ub|U`5`|X9`|`|M`|h`m`c`f`Y`W`|j`Y`Y`X`Y`U`#`G`U`H`Y`f`U`b|g`|b`X`@`c`U`b`g`X`Y`
 · H`|`Y`X`V`Y`c`k`"
 · ("Df|cf`lc`|`f`U`X`i`U`|cb`cf`k`|h`X`f`U`U`z`f`W`d`|Y`bhgcZU`Y`X`Y`U`DY`_|bg`@`c`U`b`cf`:`Y`X`Y`U`" `4

::B5B7:5@:B:CFA5H=CB

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:B5B7=5@`B: CFA5H=CB

*)

5ddYU`DfcWYgg

Gi XYbI'k \c \U Y`cghY][|V|]hmXi YIc'; D5`cf`7ca d`Yhcb`FUH`a UmUddYU`|Z
YI hbi U|b| VWa gLbWgdfY YbHXhYa Zca`a U`|b|`gUhgZUmfmdfc[fYgg"7]fWa !
gLbWgk \|W UfYWbgXYfX`YI hbi U|b|`UfYh`cgh`hUfYi bi g U`cf`i bZcfYgYb`U
h`YV[|bb|b|`cZh`YgYa YghZg`W Uggf]ci g|`bYgg`cf`|b1 fmcZh`Ygi XYbzXYU`cf`
gf]ci g|`bYgg`cZUWc`gYfYUj`Zcf`ch`Yf`gli U|cbgk \|W`k YfYV`ncbX`h`Ygi XYbI'g`
WbIc`"5 ddYU`|g`a UXY|b`k`f|]b|`|c`h`Y8|fYMc`f`cZ: |bUvU`5|X`XYgW|V|b|`h`Y!`
hbi U|b|`VW`a`gLbWg`UbX`|bX|W|]b|`gYdg`h`Ygi XYbid`Ubg`h`U`YIc`|a`dfcj`Y`|g`
UWXYa |Wdfc[fYgg'

Gi XYbI'k \c \U Y`cghY][|V|]hmZcf`U|X`Zcf`Y`WYX|b|`h`Y%`S`|`A`U`|a`i`a`H`|a`Y`
a`UmUddYU`|Z`h`Ym`\U`Y`WU|`YX`h`Yf`a`Ucf`g|bW`VY[|bb|b|`U`h`bX`UbW`U`i`b|cb`"
5 ddYU`|g`ci`X`VY`a`U`XY|b`k`f|]b|`|c`h`Y8|fYMc`f`cZ: |bUvU`5|X`UbX`UW`a`dU|YX`
VmXcW`a`Yb|U|cb`Zca`h`Y5`WXYa`|W`Ybhf`g`ck`|b|`h`Ygi`XYbI'g`b`k`a`Ucf`UbX`h`Y`
WYX|h`ci`fgk \|W`Udd`m|ck`UfX`h`Yb`k`a`Ucf`h`Ygi`XYbI'k`|`VYU`ck`YX`Ic`UddYU`

:=B5B7:=@:=B:=CFA5H=CB

(+

k]`a U_YUdfcdcfhcbU`UX1 g_a Ybh]b`h`YgWc`Ufg`d`lc`UWwFUHmfYUWih`Y
UM U`ci fg`HU`Yb`

¡ i bXgfYWj YXZca K cf_g`d`cf`K cf_`Gi XmiYa d`ena Ybhk]`VY]b`UX]hcb`lc`
h`YgWc`Ufg`d`cZfYX`]b`Cdhcb`CbY`

¡ 5bmigh XybhfYWj]b[`UA 8`Gwc`Ufg`d`a`UmUgc`fYWj`YUhi`hcb`gWc`Ufg`d`
Zcf`i`d`lc`*`gYa`Yghf`ci`fg`dY`UWXYa`]WnUfz`lc`VY`HU`Yb`]b`K`]bhf`cf`G`a`a`Yf`
Hfa`g`

¡ H`YA 8`Gwc`Ufg`d`k]`VYbchVYUdd`YX`hck`UF`G`i`Xm5`Vfc`UX`ci`fg`

¡ H`YA 8`Gwc`Ufg`d`k]`bchWj`Yf`WUf`Yg`Zcf`UbmWi`fg`Y`Xf`cdd`YX`Xi`f]b[`h`Y`
gYa`Yghf`5`bmh`hcb`WUf`Yg`UggYgYX`Xi`Y`lc`h`Y`Xf`cdd]b[`cZUWUgg`k]`VY`h`Y`
fYg`cbg]V`]hmc`Zh`Y`gi`Xybh`

¡ H`YA 8`Gwc`Ufg`d`k]`bchWj`Yf`hi`hcb`WUf`Yg`Zcf`h`YU`X]hcb`ZUWUgg`

¡ H`YA 8`Gwc`Ufg`d`k]`VY`UgYX`cb`h`Y`fy[i`Uf`WUgg`fU`Y`Zcf`h`Y`gYa`Yghf`h`U`
h`Y`ci`fg`U`Y`HU`Yb`=ZU`cb!]bY`Wi`fg`Y`g`HU`Yb`Xi`f]b[`Ubm`Hfa`Zh`Y`gWc`Ufg`d`
k]`Wj`Yf`h`Y`d`cf]hcb`UgYX`cb`h`Y`fy[i`Uf`]b!`WUgg`fU`Y`

¡ H`Y=A`6`A`8`]gf`Yei`]fYX`lc`Uhm`X`Ub`cf]Ybh`hcb`gYgg`cb`Ub`X`W`hi`fY`WUgg`^]g#`h`Yf`
]b]hU`U`Gya`Yghf`cZY`bc`a`Ybh`

¡ I`b]cbI`b]j`Yf`ghf`YgMj`Ygh`Yf][`h`lc`Uhm`h`]gdc`]W`U`h`U`bn]ja`Y"<`ck`Yj`Yfz`g`ci`X`
h`Y`h`fa`g`c`Zh`YA`8`gWc`Ufg`d`W`Ub`Y`Xi`f]b[`Ubm`UWXYa`]WnUfz`U`gi`Xybhg`
WffYbhmfYWj]b[`h`Y`gWc`Ufg`d`k`ci`X`VY`U`ck`YX`lc`W`a`d`Y`h`h`U`h`U`WXYa`]W`
nUf`i`b`Xf`h`Y`Y`]g]b[`dc`]W`h`

:B5B7:5@:B:CFA5H:CB

JYhYfUbg`UbX`H`Y]f`8`YdYbXYbhg

(,

Cf [Ub]nUh]cb'cZ'h\Y'7 iff]Wi`i a

Gi V^YWh'5VVfY j]Uh]cbg'''

5VVfY j''	Gi V^YWh'	5WUXY a]W' l b]h
577'	5Wwi bh]b['	6i g]bYgg'5Xa]b]gfU]cb
5FH	5fhi	5fh
5H	5h`Y]VWFU]b]b['	D\ng]W'9Xi W]h]cbzKY`bYggUbXGdcfh
6-C'	6]c`c[m	6]c`c[m
6GC@	Cf[Ub]nUh]cbU`@YUXfg.]d'	6i g]bYgg'5Xa]b]gfU]cb
7<9'	7\Ya]g]fm	7\Ya]g]fm
7<F'	7\fl]g]Ub]Gi X]Yg'	7\fl]g]Ub]Gi X]Yg'
7@'	7c`Y]Y@]Z]U]h] b]cb'	7c`Y]Y@]Z]U]h] b]cb
7CA'	7ca a i b]W]h]cb'5flg'	7ca a i b]W]h]cb'5flg'
7G7'	7ca di hf]G]M]b]W	A U] Ya U]W]UbX'7ca di hf]G]M]b]W
97:'	9W]bca]W]g:]bUbW	6i g]bYgg'5Xa]b]gfU]cb
98I'	9Xi W]h]cb'	9Xi W]h]cb
9; F'	9b[]bY]f]b['	9b[]bY]f]b[
9B;'	9b[]g\'	9b[]g\
: F9'	: fYbW'	@]b[i U] Y
; 9C'	; Yc[fU]d\mi	<]g]cfm]UbXDc`]h]W'G]M]b]W
; 9F'	; Yfa Ub'	@]b[i U] Y
; F?'	; fY]'	7\fl]g]Ub]Gi X]Yg'
< 6F'	< Y]fYk'	7\fl]g]Ub]Gi X]Yg'
< -G'	<]g]cfm	<]g]cfm]UbXDc`]h]W'G]M]b]W
< CB'	< cbcfg'	=b]h]X]g]M]d]b]U]fm]Gi X]Yg'
=7G'	=b]h]W]h]i fu`Gi X]Yg'	=b]g]h]i h]Z]f=-b]h]f]b]U]cbU`UbX=-b]h]W]h]i fu`Gi X]Yg'
@5B;'	@]b[i U] Y	@]b[i U] Y
@5H	@]h]b'	@]b[i U] Y
A; H	A Ub] Ya Yb]i	6i g]bYgg'5Xa]b]gfU]cb
A?H	A U]_ Y]h]b['	6i g]bYgg'5Xa]b]gfU]cb
A 5H	A U] Ya U]W]g	A U] Ya U]W]UbX'7ca di hf]G]M]b]W
A I G'	A i g]W	A i g]W
BI F'	Bi fg]b['	Bi fg]b[
D< @	D.]cg]d\mi	7\fl]g]Ub]Gi X]Yg'
D9K G'	D\ng]W'9Xi W]h]cbzKY`bYggUbXGdcfh	D\ng]W'9Xi W]h]cbzKY`bYggUbXGdcfh
D< M	D\ng]W]g	D\ng]W]g
DG7'	Dc`]h]W'G]M]b]W	<]g]cfm]UbXDc`]h]W'G]M]b]W
DGM	Dgn]Wc`c[m	Dgn]Wc`c[m
F; @	F"; "@Y]7Yb]h]fg'	7\fl]g]Ub]Gi X]Yg'
G<'	G[]b`@]b[i U] Y	@]b[i U] Y
GK'	Gc]U]K cf_'	Gc]U]K cf_
GC7'	Gc]U]c`c[m	Gc]U]c`c[m
GD5'	Gd]Ub]g\'	@]b[i U] Y
G9'	Gd]Y]U'9Xi W]h]cb'	9Xi W]h]cb
H9G@	HUW]b[]9b[]g\ U]g]U]G]Y]W]b]X@]b[i U] Y	@]b[i U] Y

CF; 5B=5H=CB'C: 7 IFF=7I @IA

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7c`Y[Y'cZ'5fhg'/'GW]YbWYg

6UvU7\|XfGA W |`|b f%- &E'8Yb'cZ\Y7c`Y| YcZ5 flgUbXG\WbWgUbXDfc!
 Zggf'cZ9b| `lg`"5 "5 "zB cfh.YghA |ggggdd]7ca a i b|lm7c`Y| Y/6"5 "zI b|cbI b|j Yf!
 ghm'A "5 "UbX'8"5 "zI b|j YfglmcZA |ggggdd]"5XX|hcbU`gh Xrā< Uj UfXI b|j Yfglmh`
 ; ">UbK |`a gf%- &E"5 ggVUH'8Yb'cZ\Y7c`Y| YcZ5 flgUbXG\WbWgUbXDfcZggf`
 cZ7ca di hf`G\WbW`6"5 "z? Uhc`|Y_YI b|j Yfglh|h@Y j Ybž6Y| |i a /A "5 "fðb| `lg`ž
 I b|j YfglmcZA |ggggdd|/A "G" f7ca di hf`G\WbW`zI b|j YfglmcZA |ggggdd|/D\`8`"
 f7ca di hf`G\WbW`zA |ggggdd|GHYI b|j Yfglmh`
 >Lā Yg`DUHf'gb f%- -- E"5 ggVUH'8Yb'cZ\Y7c`Y| YcZ5 flg`UbX`G\WbWg`Zcf`
 7\|gh|Ub`Ch X|YgUbXDfcZggf'cZ7\|gh|Ub`Ch X|Yg"6"5 "zFi h| YfgI b|j Yfglm'A "8lj`z`
 ; cfXcb|7cbk Y`H`Yc`c| |W`G\Yā |bUfm'D\`8"zDf|bWfcb H`Yc`c| |W`G\Yā |bUfmh`

H\Y7c`Y| YcZ5 flgUbXG\WbWgcZmfgg| i GT` gōKSg|Z`c`ē\Y3 hg3 |BU S`

7C@@9;9C:5FHG5B8G7-9B79G

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8YdUfh a Ybh'cZ'5fh

7c`Y[Y'cZ'5fhg'UbX'GW]YbWYg

:UWi`hm

7\flgdc\YfA "BUXg Unf% - 'E'DfcZggf'cZ5 fhiUbX8 YdUfha Ybh7\Uf"6"5 "ZCi h Yfb
5f_UbgUgI blj YfglmA ": "5 "ZHM Ug5/ A z7ca a YfW"

7\Uf]Y5[bYk' f8S&E'J |g|h|b| `b|gfi Wcf'cZ5 fh"6"5 "z6i YUYX'7c`Y[V/A ": "5 "zHY
I blj YfglmcZA Ya d\|g"

5Ufcb @Y6Ybgcb'f% - *E'DfcZggf'cZ5 fh"6": "5 "z6"GzUbXA ": "5 "zi blj YfglmcZHM!
bYggYU? bcl j `Y`Y"

5b[YU6fck b' f8S(E'5 ggjgUbhDfcZggf'cZ5 fh"6": "5 "z6Ya cbhI blj YfglmA "5 "z
5i g|b DYUhgUHYI blj Yfglm

A]WUX' A U`UXf% - %E'DfcZggf'cZ5 fhiUbX5 fh|g|h|b F YgXYbW"6": "5 "zi blj YfglmcZ
; Ycf[]U/A ": "5 "zi blj YfglmcZ=`|bc|g"

? UYb @'A i `XYf% - +'E'J |g|h|b| DfcZggf'cZ5 fh"6"5 "z6c|bI blj YfglmA "5 "F"ZMUY
I blj YfglmI blj YfglmcZJ |f| |b|UD\ "8"dfc[fUa' fcb Yxi W|jcbU`YU Yhfci [\ `8S(E'

7 iff]Wi`i a

H Y8 YdUfha YbhicZ5 fhidfcj |XYgUb Ybj |fcb a YbhUbX'Wff]W'i a `Xyj chXlc Xyj Y!
cd|b| g_|`g`g|a i `U|b| W|H|W'h|b_|b| UbXY dfYgg|b| W|U|h| |hk| |h|b|h YZUa Yk cf_
cZU7\ f|g|h|Ub`|VYFU Ufhgdfc[fUa "b'h YZYg'a Ub nYU fUfh|g| XYblgVY| |b UZci f!Wi fgY
j |g| U`Zci bXU|cbg'gYei YbW|b XfUk |b| `UbX'XYg| b" "Gi XYblg'Wa d'YH'UZci f!Wi fgY
5 f|k- |g|c|fmgYei YbWUbXdi fg Yj |g| U`gi X|Yg|b cbYcZgY YFU UYUgcZwbWbhfU|cb")%
Gi XYblg'a UnUgc: WccgYlc'a Ucf' |b 8| |HU' A YX|UCh X|Yg'5 b' Ufha Ucf' k \c'k |g' Yg'
lc hUW Ufh| fUXYg? !%&a UnfYW] Y`|Wbg fY' GYYHUWYf @|Wbg fY="

Hfci [\ XYdUfha YbhUWj |hYg|g| XYblg'a UnUfh|WdUH|b Uj U|YmicZfYUH'X'gYf |W
dfc' Wz|f|dgZUbX'g'WU` Y Yblg' HAYI blj Yfglm5 fh; U`YfmdfYgYblg'cb| c|b| gY|YgcZ
UfhY \ |V|h'g' | \ ` | |h|b| `Uk |XYj U|YmicZdfcZggcbU` Ufh|g'g'k cf_ "b' UXX|h|cbz'h Y
[U`YfmdfYgYblg'Ub Ubbi U`Y \ |V|h'cZg| XYbhk cf_ UbX| fUXi U|b| `gY|cf' Y \ |V|h'g'

; fUXi UnYgcZh YXYdUfha Ybha UmWbh|bi Yg| X|Yg'Uhh Y| fUXi UY`Yj Y`cf'di fg Y
k cf_ |b Uj U|YmicZfYUg'g' W'Ug'X| |HU' |a U| |b| z| fUd \ |Wz' `i g|fU|jcbz|b XYdYb XYbhi
g| X|c Uf|za i gY a ` [U`YfmgUYgz'd\c|c| fUd \ n|hUW|b| zcf'k Yw'dU YXYg| b"

5 FH

(" 8|| jHU'A YXJUGi XjYgGya jbu'(- S

6" 5fh9a d\Ujgfyei jfa Ybhj & \ci fg
% 5FH% z%z% z% & &

&' 5FH' (*z' -, z'())

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7" 7ca a i b]Wjcb5flg9a d\Ujgfr& \ci fgUbx7ca di hf'GMbW9a d\Ujgfr& \ci fg' GYfygdYmj YXydlfa YbhZf XHJ'g'

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5" A Ucf'jb'5FHUg'ck b'Uvcj Y'A i gh]bW XY'5FH&sz %z' & /&fYUg]b'hY gWbXUfmWbWbHfUjcb'a UnVyi gYX'ic ZW]jHh'h jgfYei jfa Ybh

6" DfcZygcub'9Xi Wjcb.'5FH' & /98I % Sz& Sz' & z'(%z'(') /DGM&z' % /G9' && "

7" 5dd'jWVYdcfhjcbgcZh YdfU jg'="

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-J" "A jbcf'jb'5flí & \ci fg

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&' 5FH' % 'cf' %

6" 5fh9'Wmj Ygj - \ci fg

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5ggYgg a Ybh'cZ' AU'cfg

Gi Xybhk jh Ua Ucf'jb'h Y8 Ydlfa YbhUfyYei jfYX'ic HU Y5FH' -, Zcf UggYga YbhcZ k cf_]b'h Ya Ucf'Umf Wa d'Yhcb'cZ'&\ci fgUgfYei jfYX'ic g Va jhUdcfz']c WbHj]b]b' g]XjGcf cf]]bU k cf_]b'h YWcgyb fYUcZwbWbHfUjcb'Dcfz']cgk]' VYfYUjbyX]b' h YXydlfa Ybh'5fha UcfgyfyYei jfYX'ic dfygYbhUb Y \]W]hcb'cZh Yf k cf_ z5FH'(- - z Xi f]b] h YgYa Ygm'cZ] fUXi Ujcb'h Y UggYga YbhcZh Ya Ucf'jgVUgYXcb'h Y Y \]W] hcbzUb'cfU' fy]Yk zUbX'Ub Ufhjgfg'Uha Ybh'8A G#5fha UcfgyfyYei jfYX'ic'a U_YU Zfa U dfygYbhUjcb'cZfygYUfWz5FH'(- SzXi f]b] h YgYa Ygm'cZ] fUXi Ujcb"

)&

Gh i XYbh'5 kUfXg

H Y I 8 5k UFX]gdfYgYbhX'ic h Yk jbbYf'cZh YVYgh'h fY!X]a YbgjcbU k cf_]b'h Y 5bbi U'Gi Xybh5fh9l \]W]h'

H Y; c'Xb'7]fWY; fUd]Wg8Yg] b'5k UFX]gdfYgYbhX'ic h Yk jbbYf'cZh YVYghi XYg] b k cf_]b'h Y5bbi U'Gi Xybh5fh9l \]W]h'

7c i fgY' CZYf]b[g]b'5fh'fl5FHL

fLE< ci fg7fyX]h': !: U'K !K]bhf/GGdf]b/ /G !G a a Yf

5fh'<]ghcfm

&S" H Y5flg]b K Yghf'7]j]'nUjcb flE: zK zGzG

DfyYei jgh#7cfYei jghY'< -G%\$%z5 HhbXUbWUhg]WjUYXW'h fU'Yj Ybhg' -bhcXi Wjcb'ic h Ydf]bWdU'gmYgcZUbYUfhZca UfW]hWm' fYza i gWidU]h]b]b] zgw'd' li fYz]hYU i fYz UbX'h YUfYz \]j]b] YWbca]WfY]]ci g'g'WUzUbX'dc]hW' fYUcgb' Zcf Xy Ycda YbzUg'k Y' U'g]bg] \ h'h'fci [\ Zfa U'UbUnglg'cZ\ck 'h YgY'Zfa g'UY Wbgfi WX"5 ddfYUjcb'cZh YUbYUfUgYy]XyW'cZh Ygd]f]hUbXj Ui YgcZgdYUW h]a Yg'

' % " 5fh< jgcfm' flE:

DfyYei jghY'5FH&S"

5'g' fj YnicZdU]h]b]b] zgw'dh fYzUfW]hWm' fYzUbX'h Ya jbcf UfUgUgfYdfYgYbhX'Vnig] ! b]UWbhY Ua d'YgcZLfhZca 'dfY]gcf]W]a Yg'ic h YA Xj]y U Df]cX"

&% " 8fuk]b['=fLE: 'cf'G

DfYfYeI]glhY: '5FH%&"

5Xj UbVX:gh XmcZXfUk]b[Ya d\Ugh]b[h.YXy Ycda YbhcZdYfgcbU 'Y dfYgg]cb UbX W]h]W UbUn]g"G] 'gh X]c\ci fg#k YY_ "

&S" GU]bYX; `UggfLE5gBYXX

5 `Ug]W]blfcXi W]cb lc h.YWddYf'Z:]`a YhcX'cZg]UbYX[`Ugg"H.YW]h]b[]z[fcn]b[]z [f]bX]b[]zUh]b[]zZ:]]b[]zUbX'gc XYf]b['cZg]UbYX[`Uggk]`'YY d'cfYX"

&&% ; fUd\]V8Yg] [b'=fLE:

DfYfYeI]glhY: '5FH%&'cf WbgYbhcZh.Y]bgfi Wcf"G] 'gh X]c\ci fgdyf'k YY_ "

5 `gh XmcZh.YhWb]ei YgzdfUM]WgzUbX'h.Y\]gcfmcZh.Y; fUd\]V8Yg] [b'UYX"5H h]b]cbk]`'YY]j Yb lc U]g]W]b]WdlgUbXhWb]ei Yg]bj c'j YX]b'h YdfYdUfU]cb'cZf]h Zcf'Wa a YfWU'fydfcXi W]cb UbX'h Yi gY'cZh YWa di hf'UgUXYg] [b'lc "

5FH

&% 'D\c]c[fUd\ni=fLE: ZG

DfYfYeI]glhY: '7Ua YfUk]h `a Ubi U`miUXi g]UVYUdYfi fYUbX'g'i hf'gdYX"

-b]fcXi W]cb lc 'dfcWggYgUbX'Uygh.Y]W j Ui Yg'cZVUW'UbX'k \]hYd\c]c[fUd\n]b] W X]b['U]g]W]Wa YfUbXXf_ fcca hWb]ei YgzWbh]bhUbX'Wa dcl]h]cbzUbX'Ub]blfc! Xi W]cb lc Y dfYgg] YUbXXc'Wa Yb]fnc cf_gUdd']W]Ylc Uf]UbX'ci fbU]ga "Gi XYbi Z fb]g'Yg'Ua 'UbX'Xf_ fcca 'g' dd']YgZ'f'f'c'W]g"G] 'gh X]c\ci fg#k YY_ "

&%' D\c]c[fUd\ni=fLE: ZG

DfYfYeI]glhY: '5FH&%"

5 `Wb]h]b]]b[`Y d'cfU]cb'cZd\c]c[fUd\nik]h `a d\U]g]cb'WYU]j Y Y dfYgg]cb'UbX j]g U'Y dY]a Yb]h]cb"G] 'gh X]c\ci fg#k YY_ "

&%' Df]bla U]b['=fLE5gBYXX

)(DfYfYeI]glhY: '5FH%&'cf%&"G] 'gh X]c\ci fgdyf'k YY_ "

5b]blfcXi W]cb lc df]b]h]b]]b'h YdfcWggYg'cZ-b]U]c'zFY]YZUbX'D'Ubc[fUd\]W

'%&%'DU]b]h]b]]b['=fLE: ZG

DfYfYeI]glhY: '5FH%&"

HUX]h]cbU' dfUM]Wg'UbX'UddfcUWYg'lc' gh X]c'c] #UM]i]WdU]b]h]b] "9a d\U]g]cb'Wb] h]bi YX]]g U Xy Ycda YbiUbX'h Yi gY'cZW'cf"G] 'gh X]c\ci fg#k YY_ "

'%!'+'7YfUa]W]i]b['=z-J fLE: ZG

DfYfYeI]glhY: '5FH%&"

7cb]h]bi YX'k cf_]b'WfUa]W]g'fYgg]b[`Vch `Wbgfi W]cb'hWb]ei Yg'UbX'XYg] [b'df]b] Wd'Yg'"5 gh XmcZ[`Uh]b['UbX'Uf]b['hWb]ei Yg"G] 'gh X]c\ci fg#k YY_ "

'&" GW'dhi fY=fLE:

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5b]blfcXi Wcfm]Wi fgy'lc h.Y] U]ci gdfcWggYg'z]hc'g'UbX'hWb]ei Yg'h.UhUfYi gX]b' WYU]b] [`!X]a Ybg]cbU'gW'dhi fY"G] 'gh X]c\ci fg#k YY_ "

'&" GW'dhi fY=fLEG

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h'fci [\ h'Ydf]bla U_]b| 'a YX| i a g"G|l 'gi X|c\ci fg#k YY."

' () " ; fUd\]W8Yg| b' =fLEg

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5 'Wb]bi U]cb'cZ; fUd\]W8Yg| b' =k |h 'Ya d\Ulg'cb'Ux UbWX'Xy|g| b' h'Wb]ei YgZ
gi X|c' dfUM]WgZ Ufk cf_ 'dfYgYb]h]cbZ di V]W]cb' Xy|g| bZ dfYl dfYgg a Yh'cXgZ W'cf'
gYdUfU]cbZ UbX'gWb]b| "

' (* " ; fUd\]W8Yg| b' =fLE:

DfYfYei |glhY 5FH&&"G|l 'gi X|c\ci fg'dYf'k YY."

5 'Wa dfY Ybgj Ygi XmicZHd]Z]lg\ |g'cfnZg|UbXUFX'UbX'WU]j Yi gU YZUbX'fYbXg" **LE**
5 h]b]cb'k]''VYd'UWX'i dcb'a YU] f|b| 'gn]Ya gZ'Wa d'cg]h]cbZ UbX'h'Y]bU] YbW'cZ **5**
h'Y'Wa di h'f'UgUhdYXy|g| b'tc""

' -, " J |g| U 5f]gY'a]bU' = A]X]Dfc| fUa Fy] Yk fLE: 'cf'G

DfYfYei |glhY 5FH%, "

Fy] Yk 'cZgi Xybhk cf_ k |h 5fhZUW'hmZ'f X|fY]cb UbXWU|U]W]cb'cZ]hYg W'ggZ `'
Wa d'Y]cb'cZ]hYa Ucf" H'd]W]]bW XY'a U_]b| 'g|XYg'cZk cf_za ch] U]cbU] |Zg'Ug
gYgga Yb]Z] d'cfU]cb'cZ]WYf' dU]gZ]b]h]fbg|d'cd]h]cbgZ UbX'fYg a Yvi]X]b| "

(%&D]b]b| '=Z-J fLE: ZG

DfYfYei |glhY 5FH" %&

7cb]bi YX'Xy Ycda YbhcZdU]b]b| 'k |h 'Ya d\Ulg'cb'Yl dfYgg|cb'cZdYf'g'cbU'j |g]cbZ
Yl dY]a Yb]h]cbZ UbX'Xy Ycda YbhcZU'VeXmicZk cf_ 'k \]W]bX]W]g'U'X|fY]cb'cZ
U]h]g]W]i fg |h'G|l 'gi X|c\ci fg#k YY."

(%: "'5Xj 'f]X'5fhCh X|c'fLE: ZK ZCZG

DfYfYei |glhY 'Y'bgYbhcZ]hY=bgfi W'f

5 Xj UbWX'gi X|c' Wi fgY'Z'f' d'fcZgg|cbU' Xy Ycda Yb]h]b'Um'cZ]hYa Ucf' UYUg'cZ]hY
XYdU]fa Yb]h'a Y]h]b| 'U]h'Yg]a Y]h'a Yh'YdUFU'Y'gi X|c'lg'gWYX] 'YX'

(X" EW'dh fY=J fLE:

DfYfYei |glhY 5fh' ' ' "

-bX]j]X] U Xy Ycd(a

bU

S

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a

5FH



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6=C@C:M

7" 6=C (&) Z (&*Z (&+Z UbX'(-,

8" 6]c'c[mY Y Mj Y (\ ci fg f&&U bX&&&U d' mcb mrc [Yh YfL

== " H U W Y f @ V b g f Y - b 6] c ' c [m f f U X Y g + ! % & L

5" A Ucf fYei JfYa Yblg Ug'g'ck b Uvcj Ylc]bW XY6-C ' &&Z&&Z UbX' % "

6" 5 XX]hcbU'fYei JfYa Yblg D< M%&/D< M&& / %& f'f' & % / & & L

7" DfcZ'ggcbU'9Xi W]hcb. 98I % SZ& SZ' &Z'(%Z('' /DGM&%Z' % /G9'&&)

8" 7ca d'Y]hcb'cZUd']WV'Ydcf]hcbg'cZ h YDFU]g="

9" : cf UXX]hcbU']bZ'fa U]hcbz'gY h Y8]fY M'f' cZ H U W Y f '9Xi W]hcb"

== " A]bcf']b 6] c ' c [m f & \ ci fg

5" 6=C %&&

6" Hk c' &S! Yj Y'6-C Wi fgYg

7" H'fY' S! Yj Y'6-C Wi fgYg

5ggYgg a Ybh'cZ' AU'cfg

6]c'c[nia Ucf gUFYfYei JfYX'lc hU Yk c' h'fa]bU' Wi fgYg UgUFYei JfYa YbhZ'f' fUX'] U]hcbz6-C (&+Z Yg'UFWDFYg'bhU]hcbzUbX6-C (-, zG'a]bU' H' Y8 YdU'f'ha Ybh'U'a]b']g'f'gh YA Ucf:]YX'9I Ua]bU]hcb'lc'g'bh]cf'V]c'c[nia Ucf'g'

Gh i XYbh' Cf [Ub]nUh]cbg

G] [a UNYU]g'UbU]hcbU' \ cbcfUfmg'WbW'g' Wm'z'f' h'cgYk \ c \ Uj YW'a d' YhX' % \ \ ci fg]b bU' h fU' g'W'UbX'a U'h Ya U]W'UbXk \ c \ Uj YU'a]b]a i a ; D5'cZ "S']b'h Yg' Wi fgYg' A Ya Vfg']d Uj]bU] Yg']bW XYfYw']b]hcbZ'f UWX'a]WU'Yj Ya Yblg Vm'h Y G] [a UNYU < cbcf'5k UFX'zdU'f]VdU]hcb]b bU]hcbU' m'fYw']b]nYX'fYg'UFW d'fc YW'g'Z'UbX' Ua YU'g'cZ'W'cdYU]hcb]b'g'a]'U'f'U'g'V'm'g'h Xyblg'cZ'X]Z'f'YbhW' \ Y'g'

6]c'c[]gg'blc'CV'g'f]]b] h YA U]h'f'g'9U'h z6-CA 9z'g'f' Yg'g'i Xyblg']b]h'f'Yg'hX']b' Y' d'cf']b] h Yk cf X'cZ'V]c'c[m'V'ncbX'h YW'g'f'cca "6-CA 9]g'XYg']bY'X'd'f]a U']m'z'f' V]c'c[nia Ucf gUbX'a]bcfg'V' h]g'cdY'lc' UbncbYk]h Ub]b]h'f'Yg']b]V]c'c[m'5' b'cb']c]b'] d'fc YW'icZ6-CA 9]g'lc' d'fcj]X'Y'a Yb'lc'f'g'lc' U' \]b'f'c'X'i W'c'f'm'V]c'c[m'g'i Xyblg'

Gh i XYbh' 5 kUfXg

H'Y6]c'c[m'f'Yg'UFW'5k UFX']g' []j Yb' Vm'h YZ'W' h'icZ'h Y8 YdU'f'ha Ybh'cZ6]c'c[m'] h'c' h' Yg'i Xybhk \ c' d'f'Yg'blg'h YV'g'h'f'Yg'UFW' d'U'f'c'Z'h Ym'U'f' H' Yf'Yg'UFW'a i gh \ Uj Y VYb'Ub'cf']]bU' d']W'c'Zk cf_ UbX'a i gh \ Uj Y VYb' d'f'Yg'bhX'UhU'g'U'h'z'f'Y]cbU'z'cf' bU]hcbU' d'fcZ'gg'cbU'V]c'c[nia Yh]b']d'f'cf'lc' [fUX' U]hcb"

K \]hU' Yf: fYg' a Ub 6] c ' c [n5k UFX' H' Y8 YdU'f'ha Ybh'g'Y'W'g'U'Z'Y'g' a Ub'a Ucf'cf' a]bcf'V'g'X'cb'ci h'g'UbX']b']g'W'c'U'g']W'U'Yj Ya Yb'z'Ub'Ub'U' b'YXz'7' f]g']b'g'f']W'z' UbX'g'Wcc'g']f']h'

7c i fgY' CZYf]b[g]'b'6]c'c[m'f6=C'L

fL< ci fg'7fYX]h: !: U' /K !K]b]h'f' /G'G'f]b] /G !G a a Yf

%S" G fj YncZ6]c'c[]W'7cbWdlg'f]E: zK zG

5 Wi fgY'z'f' bcb']g'W'W'a Ucf gZ'W'g'X'cb' h' YV'U'g'W'X'Y'U'g'lc' YbU'Y'g'i Xyblg'lc' U'd'f'Y' W'U'h' Y']j]b']k'cf' X'UbX'h' Y'f'f'Y'U]hcb'g']d'lc']h']h'c'd']W'g'. h' YW'z']b'Y'h'W'U'g'g'c'Z']Z'z' V]c'X'j Yf'g']m'g' f] YncZ'h' Y) _]b']Xca g'cZ']Z'z'W'c']n'z'UbX'h' Y'Y'j]f'c'ba Y'h' H'f'Y' \ ci fg' cZ' Ym' f'Y'UbX' & \ ci fg'cZ' U'cf'U'c'f'm'hk Y' _ "B'c' W'X']h'lc' UFX'6-C' a Ucf'g#a]bcf'g'

%& Df]bVd'Yg'cZ6]c'c[m'f]E: zG

5%";;YbHjWlqCn c =C`c[nf(EG

BYFyei]gh. '%&6-C` \ci fgi \fc] h %`

5`gh XmcZh.Ydf]bVd`YgcZ\YfX]hm]bW X]b| `Vch `Wgg]W`UbX`a c`YW`Uf`[YbHjW`
HfY` \ci fgcZ`WM`fYUbX" \ci fgcZ`UcfUcfn#k YY_"

'%`" D`ngj`c`[nf(EG

DfYFyei]gh. '%&6-C` \ci fgi \fc] h %`

.6=C@C:M

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8YdUfh a Ybh'cZ'7\Ya]ghfm

7c`Y[Y'cZ'5fhg'UbX'GW]YbWYg

:UWi`hm

FUbXm">c\bgcbf%-(E'DfcZggfcZ7\Ya]ghfmLbX8YdUfha Ybh7\Uf"6"GZI b]j Yfglmi
cZA]ggci f]zGh'@ci]g/D\"8"zHM UgHWI b]j Yfglmi

7\UfYgA "6UXk]b f%+S!, %Z%, , E'C'D'UbX9j Umb< Ua a cbgI b]j YfglmiDfcZggfcZ

7<9A:GHFM

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7" D\ng\W&%!&% 'cf&%&&

8" 7ca di hf'GMbWfl \ci fg\UbXA 5H%&&cf'dfYZfU'mA 5H&&&

9" 5'a |b|a i a 'cZ' ' \ci fg'cZA YX|W HWbc'c| mhiUb UZ|JHX\cgd|HU Ug
hYZci fh mY'cZgi Xh

="A Ucf|b'7\ Ya |W D\ng\Wf %&gYa Ygm\ci fg

8 Yg| bYXZcf h'cgYgY |b| UVfcUX'VUW| fci bX|b h Yd\ng\W g\WbWg'lc'di fg Y
[fUXi UYk cf_ |b'WYa |gfmfcf'd\ng\Wg'cf'gYwbXUfmhUWYf' |Wbg fYZh Ya Ucf'
dYfa |lg'gi XYblg'k |h' dfY|ci g'Y|dY|YbWg'lc'g'cfhb'h YHja YgdYbh|b'Zfa U'
Yxi W|cb'k |h'ci hfYxi W|b| 'h Yei U|hmcZh YXY| fYcVHU|bYX"

Gi XYblg'k |h' Ub Ux| UbWX'dfYdUFU|cb|b'gYwbXUfmgWcc'cf Ug'W'Y| Ygcd\c!
a cfYga UnVYg'YMMXZcf'h |gdfc| fUa "9bhfUbWUgUZ'Yga Ub fYei |fYgUb'5 7H
7ca dclg|YcZ&'cf\| |Y'k |h' UA Ua 5 7HcZ&'cf\| |Yz' (i b|hg'cZ | |gWcc'
a Ua k |h' U6 Uj YfU Ycf V|h'fz\| |gWcc'WYa |gfm|bX'd\ng\Wk |h' U6 Uj YfU Y
cf V|h'fz|bXUg Wggz' dYfg'cbU |bhfj| Yk k |h' UZUW'hmUXa |gg|cbgWa a |h'Y'
9bhfUbWUgUgcd\ca cfYfYei |fYg'fYUX|bYgg'lc'Ybhf'A 5H&&&7< 9%%UbxD< M
&%k |h' U7I A UbXgWbW; D5'cZ&'cf\| |Yz|bXUg Wggz' |bhfj| Yk k |h'
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5" 7< 9%&&Z%&&Z%&&Z%&&Z' %Z' %Z' &Z' &Z' %Z' %Z' &Z' %Z' ') I ' , \ci fg

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8" A 5H&&&Z%&&Z%&&Z' %I % \ci fg

9" 9B; %&&Z%&&/&S%cf'&S&I - \ci fg

:" 5FH&S/7< F %&&Z%&&/UbX- \ci fg'cZg'WU'gYbWm % \ci fg

=J" HUWYf@|Wbg fYk |h' 9bXcf'gYa Ybh|b'7\ Ya |gfm|!&

5" 7ca d'Yh'h YfYei |fYa YblgZcf'h Y7\ Ya |gfm|a Ucf Ug'g'ck b'Ucj Y|bW Xl
|b| '7< 9'(S)"

6" DfcZgg|cbU'9Xi W|cb.98I % Sz& Sz' &Z'(%Z'(' /DCM&&Z' % /G9'&& *'

7" 7ca d'Y|cb'cZUdd |WVYdcfh|cbg'cZ'h YdfU |g'="

8" : cf UXX|h'cbU |bZ'fa U|cbz'gYh Y8 |fYmf'cZHUWYf'9Xi W|cb"

· J" HUWYf@|Wbg fYk |h' 9bXcf'gYa Ybh|b'7\ Ya |gfm|!&

5" 7ca d'Yh'h YfYei |fYa YblgZcf'h Y7\ Ya |W D\ng\WfYk |H Yef HUWYf|gh

'7<9A=GHFM

dfcZgg|cbU`df|XY]b`h`YWYa]W`g|WbWgzk \ `Yg|a i `U|b| `Uk`UfYbYgg`cZ\`YfYg|cb!
gV|]hYg`UbX`WU`Yb| Yg`cZ`h`Ya`cXYfb`WYa]g|`A`Ya`Vf`g|d`]g`cdYb`|c`Ubmigi`XYbhi
di`fg`|b| `Ub`i`bXYf|fUXi`U|XY|fYY]b`WYa]g|fmc|f`d`ng|W`
G|`a`UNYU

7 < 9 A = G H F M

* (

(&% < Ya Utc`c| nIbX7cU| i `Ujcb fH

5 dd`jWj|cb`cZh Ycfmrc hWb|W`dYfZfa UbW`b`Ya Utc`c| jW`dfcWxi fYgk`jW`UjX`
|b`WUgg|UWj|cb`cZUbYa |Ug`Yi`_Ya |Ug`UbX`ch`Yf`VccXW``Umcf`a U|HYg`

(&&` 5Xj UbWXA |WcV|c`c| nfiH

5`YMi fYUbX`UVWi fgYWj`Yf|b| h`Yfc`YcZa |Wccf| Ub|ga`gUgh`YmMl`gYX|gYUgY`|b`a`Ub`
A`YhcXg`Ya`d`cmX`|b`h`Y|Xybh|UWj|cb`cZVUMf|Uz`b| |zj`|fi`gYg`UbXf|WYhg|Uy`

(&`" Gyfc`c| nfiH

5`YMi fYUbX`UVWi fgY`|b|a`a`i`bc`c| nAXYa`cbgfU|b| fYUM|cbgVfk`Yb`Ub| |Ybg|UbX`
Ub|VcX|Yg`UfY`Wbg|XYfX`I`gY`cZh`YgYfYUM|cbgUg`UgYfcX|U|bcg|Wcc``|gdfYgYbhX`

(&`" =a a i bc` Ya Utc`c| nfiH

-bW`XYggYWj|cbzh|b| UbXVYXX|b|`cZxcbcfgz|Xybh|UWj|cb`cZVccX| fci`d`Ub| |Ybg`
UbX`Ub|VcX|Yg`dfcWxi`fYg`Ya`d`cmX`|b`dfcj`|X|b|`Wa`dU|VYVccXZcf`dU|Ybhg`UbX`
df|bWd`Yg`UbX`dfcWxi`fYgi`gYX`|b`VccX`|b`°` UbQ`gAf` °`

·7<9A=GHFM
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7 < F=GH=5B' GH | 8:9G

(" DG7 '888888' z' ' & - \ci fg
) " GYb|cf GYa]bUF(-,]b Y]h Yf DG7 ZD< @Zcf 97: Í (\ci fg
 6" 9 YWj YWf fgY dcc Í gYWM% \ci fgk]h U' YUghcbYZca YUW[fci d
 %' 97: " & z')) z'(888888' S
 &' D< @' () /< CB '888888' 888' (S
 ' " DG7 " % z' & z' & z' (z' * S z' %

7" DD9 a Ucf gUFY Yl Ya dhZca 'h YfYeI]fYa YbhcZWa d' Y]b[Ua]bcf
L=" A Ucf]b D\]cg d\ nfi Yb YU' Gh X] Ygí ' S\ci fg

5" D< @& S z' (* z' (+Í - \ci fg
 6" Hk Yj Y\ci fg Zca D< @' &' z' ' - z') z' (- z' ** z') &
 7" 7< F ' ' , Í ' \ci fg
 8" D< @9 YWj Ygí * \ci fg
 9" -b]h]ga Ucfz< CB '888888' U' Yh Yf'a Unig Vg]h hY z' f D< @& S Vi ha Uni
 bchWi bh]ck UFXVch 'h Ya Ucf 'UbX'Ub -b]h X]g]d]bUfm< cbcfgA]bcf' cf'
 Ub -b]h X]g]d]bUfmGh X]YgA]bcf'

A]bcfg CZYfYX Vm'h \Y'GW\cc'

' =" A]bcf]b 7\ f]g]Ub Gh X] Ygí & \ci fg
 5" FYei]fYXWi fgYg 7< F % z& % z' S) z' ' ' z' , zD< @& S'
 6" 9 YWj Yz gYWM' \ci fg Zca 7< F Wi fgYg'
 7" 7< F ' &' ' cf' & (

' =" A]bcf]b D\]cg d\ nfi % \ci fg
 5" D< @& S z' (* z' (+Í - \ci fg
 6" GYWM' \ci fg Zca . D< @&' z' ' - z') z' (- z' ** z') &
 7" < CB '888888' U' Yh Yf'a Unig Vg]h hY z' f D< @& S Vi hVmi blj Yf]g]m
 dc]Wia UnibchVYXi d']W]X]b Ubch Yf'a Ucf#a]bcf'

' =" A]bcf]b 6]V]W @Ub i U Ygí & \ci fg
 7< F % z& % z' ; F? '888888' % z' % z' (% z' < 6F " % z' % z'

' =J" A]bcf]b Mi h A]b]g]fni & \ci fg
 5" 7< F ' &+ % z' + & z' +) z' (+ % z' (, % z') \ci fg
 6" GYWMk c Zca . 7< F % z' ' ' z' ' , z' * - z' +'

' J" A]bcf]b 7\ f]g]Ub 9h]Wj 88 \ci fg
 5" 7cfY 7< F ' & % z' &' z& (
 6" 9 YWj Ygí gYWM% \ci fg]b 7\ f]g]Ub Yh]Wj

' J=" A]bcf]b H Yc'c]ni & \ci fg
 5" 7< F ' & % z' ' S z' ' , z' , &' , ' Í % \ci fg
 6" GYWM& Zca . 7< F (, & z' (, ' z' (- - Í * \ci fg
 7" 7< F ' ' - ' cf' " ** Í ' \ci fg

5ggYgg a Ybh' cZ' AU' cfg

Gh Xyblgk]h Ua Ucf]b h YGWcc`cZ7\ f]g]Ub Gh X] YgUFYfYeI]fYXtc HU Y7< F (-, z
 GYb|cf GYa]bUFzUg dUFhcZ h Yf[fUXi U]cb fYeI]fYa Yb]h' H Y gYa]bUF]gcZfYX Yj Yfm
 gYa Yg]f UbXa i ghVYHU Yb Xi f]b] 'h Ygh Xybh]g]b|cf nYU'

Gh i Xybh' Cf [Ub]nUh]cbg

5 A]b]g]fni U 5gg YW]cb]gUj U]UVYzcf gh XyblgYb]f]b] h YdfYUW]b] #dUg]cfU'
 a]b]g]fni H]g' Ugg V]h]cb'a Y]g'a cbh' mZcf 'h Ydi fdcgY'cZghYb] h Yb]b] 'h Y]h]Yg'cZ
 Z'ck g]d'Ua cb] 'h cgY'cb Wa di gk \c UYWa a]hX]tc h Y[cgdY'a]b]g]fni

Gh i Xybh' 5kUfXg

H YNcbX]f Ub; fYU '5k UFX]g dfYgYb]X]tc h Ygh Xybhk \c g'ck g'h Y[fYUgh
 UW]Yj Ya Yb]b] 6]V]W' Gh X] Ygk]h UVUW] fci bX]b; fYU "

+%

(% " DcYfmUbXk lgXca @]hfUi fyCZh YC`XHgLa YbhflEG CXXMUfg

DfY'cf'7cfYeI]g]hY'7< F' & %

5b]bhbgj Ygi XmcZ< YfYk `dcYfmUbXk lgXca ``]hfUi fyUgfy][]ci g`]hfUi fyUbX`
Ug`]hfUmiZfa g"5b`Yl Y]h]W` gi XmcZgyWmX`dcYfmUbXk lgXca ``]hfUi fyfl<cVz`
DgJa gZDfcj YfVgZUbX9WWg]ghYg"

(% " A UcfDfcd \VgflE: Í CXXMUfg

DfY'cf'7cfYeI]g]hY'7< F' & %

5 gi XmcZh Ycf][]bUbXXy Ycda YbhcZ< YfYk `dfcd\ WwU`b Yl Y]h]W` gi XmcZga Y`
cZh.Ya Ucf`dfcd\ Yh]Wcc_g`cZh YC`XHgLa Ybh`

(& " H`Y<c\Ubb]bY@]hfUi fyflEG CXXMUfg

DfY'cf'7cfYeI]g]hY'7< F' & %

5b]bhbgj Ygi XmcZh Y; cgdY`cZ<c\bUbX`h Y<c\Ubb]bY9d]ghYg"

7 \f]gh]Ub`9h \]Wg`fl7 <F`

& ' " 5ddfcUWYgIe`A cfU`8 W]g]cb`A U_]b[`flE: `

FYWdfcW`WYX]hD< @&' "GYD< @&' Zcf`Wi fgYXygm]dh]cb"

& (" 7cb]Ya dcfUmi-gg Yg]b`7\ f]gh]Ub`9h]WgflEG`

DfYfYeI]g]hY. FYW`a a YbXYX'7< F' & ' "

5b`Yl Ua]bU]cb`cZh Ya cghg[]b]U`bhWbhYa dcfUmi`a cfU`]gg YgZ]M]b[`h`YWi fW`
UbX`5a Yf]Wb`g`V]h`k]h` Ya d`U]g]cb`7\ f]gh]Ub`fyg]cbgy`Vch`]b`hfa g`cZa cfU`
Wbj]W]cbUbX`a cfU`Yb[U Ya Ybh`

' ((" <]g]c]m]cZ7\ f]gh]Ub`9h]WgflE: Í 9j Yb MUfg

fl`d`cfU]cb`cZh X`Y]h]g YcZ7\]gh]Ub`a cfU`fyU]m]cbZ`Zca`U]M]c]W]i`f]W`g]h]U` &]U`

(((" -bHbgj Y=gg YGŸa]bU'fLEĠ 9j YbMUg'
DfY'cf'WfYei]ghŸg'7< F' &' ž7< F' & ('
5b]bhbgj YUbUng]g'cZcbYa Ucf]gg Ycf'W gM'cZ]gg Yg]b WbhŸa dcfUfm7\ f]gh]Ub'
Yh]WžHU [\h]b gŸa]bU'gmiY"

7 \ f]gh]Ub' A]b]ghf]Yg'fl7 < Fl
&%" Mēi h' A]b]gfmGfUM]YgflE: í 9j YbMUg'
5' gh Xnr:Znei h' a]b]gfmZ'Wg]b['cb'h Yj Uf]ci gUddfcUWYgza Yh cXgZUbX'g]fUM]Yg'
k]h' dfUM]W' Udd']W]cbgZcf'dfc[fUa a]b[ž[cUgUbXXYg]fYX'ci hW'a Yg'

' S+' : Uh !6UgXXGcWU' GYj]WgflEG
FYWdfcW' WXX]h' GK " S+' GY'GK " S+' Zcf'Wi fgY'XYgW]d]hcb"

' *' " 6]V]W' DfYUW]b] flE5gB YXX
5' gh Xnr:Zh YVUg]W]Wb]ei YgcZgfa cb'dfYdUf]hcb UbXXY]j YrnFYWa a YbYXXZcf'
U' a]b]ghf]U' gh' XYb]g'

' *' " D]g'cfU' A]b]ghf]YgflE5gB YXX
DfY'cf'7cfYei]ghŸg'7< F' &' %'
5' Wi fgY'XYg] bYX'h' XYU' k]h' h' YdfUM]W' k cf_ 'cZh YdUg'cf"

' *+' -blfcXi W]cb'lc' 7 \ f]gh]Ub' 9j Ub[Y]ga' flE5gB YXX
DfY'cf'7cfYei]ghŸg'7< F' &' %'
H' Y6]V]W' UbX' XcWf]bU' VU]g'Zcf' Y] Ub[bcZB j fB]W cU'

7 < F=GH=5B'GH I 8=9G

+(

7 \f]gh]Ub`H\Yc`c [m'f7 <Fl

' ' S" 6]V]W`H\Yc`c [nflE: Í 9j YbMUfg

DfY! cf`7cfYeI]glhY`7< F`& %

5 b`Yl Y] Y]W`mcf]YbhX`dfYgYbH]cb`cZh Yh Yc`c []W`hUW]b[g`cZh YC`XUbXB Yk`
H]gLa Yblg"9a d`U]g`cb`h Ygi Xybhi bXf]gUbX]b[`h Ya U]b`hUW]b[g`cZh YZ]h]b`
h Y]f`cf][]bU`Wb]h] hZ` \]gcf]W` Xy] Ycda YbhcZh`cgY`hUW]b[g`h fci [\ci hV]V]W`
\]gcf]nãUbX]a d`]W]cbgcZV]V]W` h Yc`c [mZ`f`a cXf]b`7 \f]gh]Ub`]Z`UbX`dfU]W`

' , " 7 \f]g]Ub`8cW]bYflE: žG

DfY! cf`7cfYeI]glhY`7< F`& %

A Ucf`h Yc`c []W`XcW]bYg`cZ7 \f]gh]Ub]hm`h YH]b]hãfY] YU]cbž; cXZ`WU]cbž]glbž
7 \f]g`c [nãh Y5]cbYa Yb]zh Y< c`mGd]f]h`h YWi fWz7 \f]gh]Ub`]Z]UbX`YgWUc`c [m`
k]h`gdY]U`U]h]cb`h V]V]W]Z` \]gcf]W]zd`]`cggd`]W]zUbXW`h fU]bÛi YbWgi dcb`
h Yc`c []W` Xy] Ycda YbhUbX`a Yh`cXgi gYX]b Xc]b[`Wb]gf] W]j Yh Yc`c [nã

' , &` H`Y8cW]bYcZ; cXflE: Í CXXMUfg

DfYfYeI]glhY`7< F`' , "

5 b`]b]X]d]h` gh XmcZ; cX`Ug`H]b]hãUg`k Y`Ug`Ugh XmcZh YUhf]M Hg`cZ; cX`H`Y
gi Xyb]k]`VY]blfcXi WX`h`h Y`_Yni]h Yc`c []W` gfi [[`Yg`cZh Y`7 \i fW`Ug`g`Y`Ug`
[fUdd`YX`k]h`h YfYU]hm]gWUc` \Y` a` k]h` ða O` [`Yg`a

7 < F-GH=5 B-GH I 8-9G

+))

'%" FybUggUbWUbXFYZcfa Ujcb'fEGí 9j YbMufg

.7 < F=GH=5B'GH | 8:9G

+ *

; F? " %&=bHfa YXJUH; fYY =fLE: UbX' %&=bHfa YXJUH; fYY =fLEG
DfYfYei |ghY; F? ' &&
5 lk c!gYa Ygfgh XnrZh Y[fUa a UfUbXgnbHU cZh Y; fYY_B Yk HgHLa YbHfYUX]b[
]b h.YB Yk HgHLa YbH'

; F? (%&5Xj UbWX; fYY =fLE: UbX(%&5Xj UbWX; fYY =fLEG
DfYfYei |ghY; F? " %&
9l Hbgj YfYUX]b['Wi fgYg]b h.Y; fYY_B Yk HgHLa Ybhk]h Ya d\Uggi dcb WfYZ 'z
UWfUH'Yl Y| Yg'g"

< 6F " %&9 Ya YbHfnc WfYk =fLE: UbX' %&9 Ya YbHfnc WfYk =fLEG
H YWi fgYgYei YbW]gXyg] bYXlc]blfcXi Wgi Xyblg'lc h.Yj YfVZfa gZj cWM 'Ufr
UbXgnbHU cZV]V]W' < YfYk "

< 6F (%&5Xj UbWX< WfYk =fLE: UbX(%&5Xj UbWX< WfYk =fLEG
9l Hbgj YfYUX]b['Wi fgYg]b h.Y< YfYk '6]VYZYa d\Ugn]b[hfUgU'cbzj YfVdUfgb] z
UWb]gZ]h]W' bch'gUbXYl Y| Yg'g"

D\]cgcd\m'fD<@L

&S' =blfcXi W]cb'lc D\]cgcd\nfLE: zG

5 b]blfcXi W]fcmWi fgY]b d\]cgcd\niXyg] bYXlc UWi UjhhY Ygi Xybhk]h h.Ya Ucf'
UYXgcZd\]cgcd\]W'gi Xrh

&' " 5ddfcUWYg'lc A cfU 8Y]gcb'A U_]b] fLE:

FY]dfcW' WXX]h'7< F '&' "
5 b]blfcXi W]cb'lc '7\fg]Ub Yh]WZc Wgbl 'cb'a Yh cXc'c[mik]h Ugj fj YmLbX'Wa !
dU]gcb'cZd\]cgcd\]W'zgY'UfZbXh Yg]W]Yfg]W]j Ygcb'h Ya cfU 'ZZh Yb'a cj Yg'
cb'lc Xj Ycd UWa dfY Ybgj Yj Ub] Y]W'UddfcUW"

++

' " - " 5dc'c[Y]W]fLE: I CXXMfug

DfYfYei |ghY: D< @&(S'FY]dfcW' WXX]h'7< F "' - "GY7< F "' - Zcf XygW]dh'cb"

' () " 7f]h]W'H]b_]b] fLEG' CXXMfug

9l Ua]bU]cb'cZa Yh cXgcZM]h]W'h]b_]b] k]h Uhh]cb[]j Yb'lc h.YGcWU]W'a Yh cXz'
]bXi W]j YUbX'XXi W]j YfYUgcb]b] zUbX'h Y]Xybh]UW]h'cb'cZ'c[]W'Z'U]W]g'

' (* " <]gcfmncZd\]cgcd\ni=fLE: I CXXMfug

5 g' fj YnrZh Y\]gcfmncZd\]cgcd\niZca h.Y]h Ya YcZh UYg'lc h.YfYbUgg]bWUbXfYZ
cfa U]cbzYl Ua]b]b['h Yd\]cgcd\]W'VUW[fci bX]b'k \]W'7\fg]Ub]hmYa Yf' YX"

' (+ " <]gcfmncZd\]cgcd\ni=fLEG' 9j YbMfug

5 g' fj YnrZca h.YfYZca U]cb'lc h.Ya cXYfb'dYf]cX'DU]h]W'UfUhh]cb'k]' YV[]j Yb'
lc h.YX]Uc[i YVYk Yb'd\]cgcd\niLbX'h Y7\fg]Ub]Z]h]b'K Ygf]b'h'ci [\H'

' (- " Kcf'XFY][]cbgfLEGI CXXMfug

DfYfYei |ghY:]l \ci fg]b'7\fg]Ub]Gh X]Yg'FY]dfcW' WXX]h'7< F " (- "
5 g' fj YnrZh Yk cf'X]ga Ucf'fY][]cbg'

' *** " 8Yj Ycd]b[U7\fg]Ub]Kcf'Xj]Yk fLEGI CXXMfug

DfYfYei |ghY: D< @&(S'FY]dfcW' WXX]h'7< F " ***"GY7< F " ** Zcf XygW]dh'cb"

((, " D\]cgcd\mcZ:]'a fLE

5 b Yl Ua]bU]cb'cZd

() & D\]cgcd\mcZFY][|cbflE: Í 9j YbMfG'
DfYfYei |glhY D< @&(S"FYWdfcW' WYX|h]b'7< F') &
5 gh XnrZ\hYd\]cgcd\|W'Uhhá dhlc i bXfYgUbxhYbUli fYcZ; cXUbxhYg| b|ÚWbW
cZfY][|cb|b'hY'Z'cZa Ub"5b|bj Yg| U|cbUgk' h'Yj U|X|hmcZ\hYUJa' h' UhdYcZ
_bck`YX|YW`YXÍfY][|ci g' UbX'hYa YhcXgk` \fYVmg' W'g| U|bYX"

5j U`UVY|b YUW'XhdUfa YbH' dfYÚ.

% S& S', S(, S" Gh Xnr5 VfcUKDfc| fUa gff%(E5gBYXX
5`Wi fgygUbxhYfUdd`|W|cbg'a i ghVYXYÚbYXUbxUddfcj YXdf|c' h' fUj Y"

%) !*!+" GdWU' Gh X|Ygff%(ECb'8 Ya UbX
@ck Yf' Y' Y' [fci d'gh X|Ygk` \|W'Xc' bchUddYUf']b'hYfY| i `Uf'XYdUfa YbH'`cZf|b| g'

' -) !*!+" GdWU' Gh X|Ygff%(ECb'8 Ya UbX
I ddyf' Y' Y' [fci d'gh X|Ygk` \|W'Xc' bchUddYUf']b'hYfY| i `Uf'XYdUfa YbH'`cZf|b| g'

' - + " GdWU' Gh X|Yg|b'7\ i fW< |gcfmf%(ECb'8 Ya UbX
I ddyf' Y' Y' [fci d'gh X|Ygk` \|W'Xc' bchUddYUf']b'hYfY| i `Uf'XYdUfa YbH'`cZf|b| g'

(-) !*!+" -bXYdYbXybhGh Xnrff%(ECb'8 Ya UbX
-bX|j |Xi U' fYgUfW' i bXYf' h'Y| i |XUbw'cZUZUW' h'mia Ya Vffg'

(- , " Gyb|cf' GYa |bUf'fL: zG
FYeI |fY'cZ8YdUfa Ybha Ucf'g'A i ghVYH_ Yb Xi f|b| `gyb|cf' mUf'

(- - " GYa |bUf'ff' ECb'8 Ya UbX
H' VY' i g'X'Uih'YX|gW|hcb'cZ\hYXYdUfa YbhZ:f'a Ucf'g'cb`m'Gyb|cf' g|Ubx|b| `|b'h'Y
XYdUfa YbhfYei |fYX'

(- - " H' Yc`c| mGYa |bUf'fLEG
DfYfYei |glhY'7< F' ' ,
H' YWdgcbyWi fgy' h' h'Yh'Yc`c| ma Ucf']b'k` \|W'h'Ygi Xybhk |` Y' d'cfYUWbhá !
dcfUfmU| i fYh'cf' Wbhá dcfUfmh'Yc`c| |W' a' cj Ya Ybfg'

7<F=GH=5B'GH|8=9G

+

5Xi`h`GhiX]Yg

Dfc[fUa g`cZ`h\Y`F" ; "@YY`7YbhYfg

Dfc[fUa`@YUXYfg\jd

7\U`Yg5": ck`Yf%(-)E'Dfc[fUa`8]fWtfzGyb]cfJ]WDFYgXybhZfI b]j YfglmFYU
hcbgZubX5ggVUHDfcZggfcZ7\fg]Ua`b]g]f]YgUbX9Xi`W]hcb"6"A`Zi`b]cbI`b]j`Yf!
ghm"A`"7"A`ZB`Yk`Cf`YubgH`Yc`c]`JW`Gya`b]UfmD`"8`ZA`[gg]ggdd]`GUYI`b]j`Yfglm`h

JUY]YHU`la`U`f8S`E`"5`gg]g`Lbh8`]fYmf`Z`f`7\i`fW`Gyfj`]Wg`"6"5`Zi`b]cbI`b]j`Yf!
ghm` f

ghm.

`7cbhUw` C`Z`W`c`Z`7`\i`fW`Gyfj`]Wg

`9a`U` j`Vi`fbYh4`i`i`"YXi

`D`cbY` +`%`*`*`%`)%`\$`S

` :`5L` +`%`*`*`%`)(`-`)

Dfc[fUa`GdYW]UW`Dc`JW]Yg

8`i`f]b]`h`YUfgimYUfh`YX]d`ca`Udfc[fUa`]gcZfYXUu7YbhZUgi`Xybh`U`h`f`U`b`g`Zf`
Ua`U`]a`i`a`c`Z`%`g`ya`Ygm`\`ci`fgcZUddfcj`YX`W`X]h]b]c`h`YX]d`ca`Udfc[fUa`"I`d`h`c`
%&cZ`h`YgY`%\`ci`fga`Um`YYUfbYXh`fci`[\`h`YGYa`b]Ufm]h`b]g]cb`f`C`L`8`YdUfa`Ybh`f`\`cfbdU

7 < F=GH=5B`GH I 8=9G

+

' \$ "'7\flgjlub 8cwf]byflL

A Ucf'h Yc'c]]W' XcWf]byg'cZ7\flgjlub]hm'h YHf]b]hñf'y YUjcbz; cXZ'WYUjcbz'glbz
h YZU`cZa Ubz7\flg'c] nãh Y5 lcbYa Yblz'h Y< c`mGd]f]z'h YWi fWZ'h Y7\flgjlub`
'JZ'UbX'YgWUc`c] m

' \$ "DugcfU`A]blgfl]YgflL

5 Wi fgYXYg] bYX'lc XYU`k]h'h YdfUW]W`k cf_`cZ'h YdUgcf'

' \$ "'-blfcXi W]cb lc 7\flgjlub 9j Ub] Y]ga flL

H Y 6]V]W` UbX`XcWf]bU` VUlg'Zcf`y] Ub] Y]g]WdfYUW]b] z'd`Ubb]b] zUbX`dfc] fUa`!
a]b]"

' \$ "'7\i fWA]blgflnk]h DfYgWcc`UbX7\] XfYb flL

7i ff]W]i a `Z'Wg]b]]cb]gg Yg'fYU]b]]lc W] XfYb UbX'h Yf'dUFYblg'

' \$ "'7\i fWA]blgflnk]h Mei h flL

Mei h`a]blgflnk]h]b'h YWi fWZ'Wg]b]]cb'cf]]b]nU]cbg'zdfUW]W Ugd'W]g'cZa]blgflnã
a Y]b]]h YbYX'g'cZnei h z'UbX'h Yi b]ei Yfc`YcZ'h Ya]blgfl'k]h `nei h`"

' \$ "'7\i fWA]blgflnk]h 5Xi`lgflL

H Y Wi fW]g'Wff]W]i a `UbX'fYg]cbg]V]]hmc`a]blgfl'k]h Z`a]]Yg]UbX`a Uff]U] Yg'

' % "Mei h`A]blgfln:gg YgflL

=gg Yg Z]M]b]]nei h` U'g'h YmXYU`k]h` Xy] Ycda Yb]U` UbX'h cgy'UZZ]M]b]]nei h` UbX`
h Y]f Z`a]]Yg'

' % "G] fj YnicZA]gg]cbg]flL

5`g] fj YnicZa]gg]cbg'UbX`ci hfYUW`k]h` U'dU]W]U`f`Z'Wg'cb`Gci h Yfb`6Ud]h]gia]g
g]cbg'

(% "DcYfmi` K]gXca`@]hfu] fyCZh YC`XH]g]Ua Yb]flL

5b]b]h]bg] Ygi XmicZ< WfYk`dcYfmi]UbX`k]gXca`]]hfu] fy`f]cVzDg]Ua g'Zfcj YfVg'z
9W]Wg]U]h]g'

(% "A Ucf'Dfcd\ YlgflL

H Ycf]]]b`UbX`Xy] Ycda Yb]icZ< WfYk`dfcd\ W]U`Ub`Y] Y]W]`g]i XmicZ'gca YcZ'h Y`
a Ucf'dfcd\ Y]W]Wcc`_g'cZ'h YC`XH]g]Ua Yb]i'

(& "H Y<c\Ubb]bY@]hfu] fyflL

5b]b]h]bg] Ygi XmicZ'h Y; cgdY`cZ<c\b`UbX'h Y<c\Ubb]bY9d]gh]Yg'

() ("Gci h Yfb`6Ud]h]g]@ZYflL

5`g] fj YnicZ'h Y\]g'cfnã]gfi W] fyUbX`U]m]]h]Yg'cZ'h YGci h Yfb`6Ud]h]g]7cbj Yb]jcb"

(, % 7\flgjlub`A]blgfl]Yg=blmf]g]]d flL

5dd']YX`Wi fW`a]blgflnã]Gi XYblg'k]`gdYbX`' k YY_g]]b'h YW]gg'cca Z`ck YX`VmiU

,%

'', "DgUa gflL
' - "Dfcj YVgflL
' (S"9WYgUhgflL
' (%Gcb| cZGcb| gflL
' (&=gJU flL
' ('">fYa jU flL
' (('@La YbHhcbgflL
' () "9nY_Y flL
' (*"8Ub)Y flL
' (+ "< cgU flL

7 < F=GH=5B'GH | 8=9G

, 8

8YdUfhaYbh'cZ'7ca a i b]WUh]cb'5fhg

7c`Y[Y'cZ'5fhg'UbX'GW]YbWYg

:UWi`hm

7CAAIB:75H=CB'5FHG

% Fÿei jfYX`7CA ' ', z7< F" (, Í * \ci fg
&" GYWM'.5FH(&/7CA " \$ž(' , /9B; " %%D< @((,
7" HUW/Hk cÍ % \ci fg
% GYWM%5FH(&/7CA " \$ž(' , /9B; " %%D< @((,
&" 5Xa lggcb lr @cg5b[Yÿg:]a `Ch X]ÿg'7Ybhf.

7CAAIB:75H-CB'5FHG

,)

7CAAI B-75HC B 5FHG

%&% K f]h]b[Zcf h YA UggA YXUfLE: ZG

8 Ygl[bYXlc []j Yh YV[]bb]b[a YX]Ugi XYbhUVUgZcf i bXYfgUbx]b[h YX]ZZfYbWg UbX'ga]'Uf]hYg'cZ h Yj Uf]ci g'hdYg'cZk f]h]b[]b' h Y'UYX" H Y'ghi XYbhk]' Y'ufb' h Y Ugl]Yg'cZdf]b]zVfcUXWgZUj Yfh]gb[zUbx'di V]WYU]hcbgk f]h]b["

&&S" 7ca a i b]W]hcb UbX7\ f]g]U]hmfLE

5 Wi fgY'lc Z'ghf i bXYfgUbx]b['cZX]ZZfYbhk cf Xj]Yk g'UbX'lc XY' Ycd Uk cf _]b[' d \]c'gd\ m]h U]h]b]h' fUhgZ]h UbXdfcZ'ggcb" H Y'Wi fgY]gXYgl[bYXlc \ Yd Xj Ycd WbUXYbWUbX'g'fU]h]Yg'lc V'W'a YWUb[YU Yb]g]b'a YX]Ubx'h YUf]g"

&S" Gdcfh'ci fbU]ga fLE

FYUdfcW W'X]h D9K G&S) " GYD9K G&S) Zcf Wi fgY'XYG]d]h]cb"

&S" Di V]W]hcbgY'a]bU'f]LE: ZG

DfY'Yei]g]h' 7CA %&% 5 dd]W]hcb'cZ'ci fbU]ga 'Z bXUa Yb]U'g'lc h Y Cardinal & Creani" bW XYg' k f]h]b[z YX]h]b[z U'ci lzUj Yfh]gb[za UbU Ya YbhUbXdfcXi W]cb"A UnY'YU Yb" h'a Yg"

&&% Jc]WUbxX8]W]cb fLE:

Gi XmUbXXj Ycda YbhcZ h Yj c]Wk]h Y YV]Yg]b Uf]h]W U]h]cb UbXdfcbi b]W]hcb" GY_glc Yj Ui Uh] cW'k YU_bYggYgUbXdfcj]XYgh XYb]gk]h h Y'lc'g'lc]a dfcj Yh Yf' j c]Wg'5 'gdYU' i b]hYa d\UgnY]a dfcj]b[fY]]cbU]ga g'UbX'gci h Yfb X]UYW"

&&S" -b]fcXi W]cb lc DfcXi W]cb fLE: ZG

H YZci bXU]hcb Zcf j]Xc UbXU X]c dfcXi W]cb Ya d\Ugn]b[U'gh Y]W]cZXYgl[b k]h' \UbXg'cb Y dY]YbWk]h W'a YfUz'] \]h]b[zU X]c UbX'V]g]W]h]b[h'W]b]ei Yg"

*** &S" H Y'j]g]cb DfcXi W]cb fLE:**

DfY'Yei]g]h' 7CA '8&S" Cj Yj]Yk 'cZ h Y Y'a Yb]g'cZdfcXi W]cb. W'a YfUz'gci bXz'] \]h]b[zUbx'j]Xc h dY'fY WfX]b[i]g]b[Ugk]h'WY" Gi XYb]gk cf _k]h h YgY']b dfcXi W]b['h Y'j]g]cb dfc[fUa g"

&) " -b]fYdYfcbU 7ca a i b]W]hcb fLE: ZK ZGZG

=Xbh]Z h W'a a i b]W]hcb dfcV Ya]g]b]b]fYdYfcbU fYU]h]cb]d]g]bW X]b[Yh]W W'a ! a i b]W]hcb z'gZ X]gY'c'g fYz dY'Wd]h]cb z]b]h]f]Yk]b[zWbU]W'a UbU Ya Yb]z Y'VU UbX bcbj Y'VU W'a a i b]W]hcb" H Y'ghi XYbhk]' Y \]W]h'W'a dY'h]b]U]b[i U Yg.]`g'h'fci [\ cfU fYdcf]g'k cf _]b[]b XnUXg'UbX'ga U"] fci dgzUbXWUgg]a i U]h]cb"

&S" 5W]b[H Y'fmUbX'HW]b]ei YfLEG

DfY'Yei]g]h' 7CA %& " J U]ci gU]h]b['h Ycf]Yg'UbX'dfU]W]gk]h Ya d\Ug]g'cb Y YfV]Yg]b d\ng]W' hU]b]b[z j cW' fYdfcXi W]cb zWU]U]f dfc W]cb zUbX'h YU'gh Y]W]cZUM]b["

&- " DfU]W'a fLE: ZK ZGZG

DfU]W' \UbXg'cb Y dY]YbW]b'ci fbU]ga zdi V]WYU]hcbgZ Uj Yfh]gb[zgdY'Wzcf' h YufY'Gi XYb]gk cf _k]h UZU' h'ria Ya Yf'cb gdYU]U]f'c W]gh Uik]' Yb\ UbW'h Yf' _bck 'YX] YUbX'Y dY]h]gY']b h Yf' WbW]b]fU]h]cb" A UnY'YU Yb h fY'Y'h'a Yg"

' S% Gna Vc']ga]b H YufYUbX:]'a fLE:

H]gWi fgY'Y d'cfYg'h Yg VhYi gY'cZ'gna Vc']ga]b dfYgYb]b]b['g V]h h U'a YggU Yg' Gi XYb]gk]Yk UbX'UbUmYUj U]Y'nicZU'a g'UbX' h dY'X'h YufYdfcXi W]cbg"

' S) " 8fUa UfLE9j YfniH]fXMUf

DfY'Yei]g]h' 9B; '8&S/ '8&S' FYUdfcW W'X]h' 9B; ') " GY' 9B; ') ' Zcf XYG]d]h]cb"

(%& : i bXLh YbUgcZ8]fYw]b[flE: í 9j YbMufg
DfYfYei]ghY: 7CA `& \$"

7CAAIB:75H=CB'5FHG

8YdUfha Ybh'cZ'9b []bYYf]b [7c`Y[Y'cZ'5fhg'UbX'GW]YbWYg

:UWi`hm

8cb'JUb'f&S%L"5ggcVUHyDfcZ'ggcf'UbX'8YdUfha Ybh7\Uf'cZ9b[]bYf]b["'6'G'UbX
A "GZI b]j Yf]micZ=']bc]g]b'7\]W]c/A "G'UbX'D\ "8"zB Yk ' >Yf'g'ym=bg]li h'cZHW!
bc`c[nãD9"z79A "

>YbbYHY < "Fi gg'f&S&L"5gg]gUbhDfcZ'ggcf'cZ9b[]bYf]b["'6'GzA]gg]gg]dd]'GUHY

9B ; -B99F=B ;

- %

H\Y gi XYblik]h`Ub`UWdHUV`Y`VUWY`cfg`XY[fYY`gYY_]b[`h`Y`6G9`Ug`\]g`gWbX`

9B ; =B99F=B ;

- &

&S" 9 YWf]W Dck Yf Gng]a gfl EG

DfYfYei |ghY: 9; F & &

7cj Yfg VUg]Wdf]bVd YgcZdck Yf' gng]a g'k]h `Ub`Ya d\Ulg'cb`h`fY!d\UgY`dck Yf`
UbUng]gž[YbYfU]cbžUbX`fUbg]gg]cb/]bfcXi Wg'gng]a !`Y Y`hd]Wg W`Ug'gng]a`
gUM]]hžgng]a `WbfcžUbXYWbca]WcdYfU]cb"

&)" 9b]]bYf]b[`CHU]Wf]E:

DfYfYei |ghY: A 5H&szD< M& %

; YbYfU`df]bVd YgcZYb[]bYf]b[`a YWUb]Wž]bW X]b[`UbUng]gcZZ:fWj Ymf]gžYei`!
]Mf]i a `cZf][]XVcX]YgžUbX`Ub`Y Ua]bU]cb`cZlfi ggYgžWbfc]Xgžk cf_žUbX`a ca Yb]g`
cZ]bYf]U"

&S" 9b]]bYf]b[`8nbUa]Wf]EG

DfYfYei |ghY: 9; F &)"

?]bYa U]W]UbX`?]bY]W]cZdUf]W]g'k]h`fYgdYm]lc`ZcfWžUWYfU]cbžk cf_žYbYf[nž
]a di`gžza ca Yb]i a `UbXUgc Wj Yfgd`UbUf`_]bYa U]W]UbX`_]bY]W]

' &S" A YWUb]W]cZA Uhf]Ugfl E:

Yf d dA d 3 3 d d< bX]b+bu]i Yd e d " Ub`Ug' cAW f

9B ; -B99F=B ;

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' +S" 9'YMF|W' A UW|bYg|f|E:

DfYfYeI |g|hY' 9; F & &

7cJ Yfg'df|bW|d'Yg'cZ87'UbX'57'fc|H|b| 'a UW|bYg|bW X|b| 'h Y'cdYfU|cb'cZ|fUbg| Z'fa Yfg|bX| W|cb'a c|cf'g|UbX'gnbWfcbci g'a UW|bYg|"bW XYgk YY_ 'mi'U"

',)" 9bYf| m7cbj Yfg|cb|f|EG

DfYfYeI |g|hY' 9; F & &

DfcJ |X'Yg'U'Wa dfY'YbgJ Y'UbUng|g'cZW'ffYbhYbYf| m|ng|h'a g|z|bW X|b| 'Z'gg|'dck Y'f' d'Ub|g|zbi W'U'f'd'Ub|g|zUbX'ch Y'Z'fa g'cZ'fYbYk UV'YbYf| m|ci fWg|W|j Y'fgh Y'fUb_ |bY' W'W|g|h'a | YbYfU'cf'g|W'a Vi g|jcbzUbX'h fV|bYg|dfYg|b|g|z'fa U|jcb'cb'h Y'Ybj |fcb| a YbU' |a dU'W'cZ'YbYf| m| YbYfU|cb"

(\$)" 9'YMFcb|W|fW|h5bUng|g|UbX'8 Yg| b|f|EG

DfYfYeI |g|hY' 9; F & 'S'UbX" (\$ "

-b|fcXi Wg'Z bXLa YbU' df|bW|d'Yg'cZY'Wfcb|W|z|bW X|b| 'UbUng|g|UbX'XYg| b'hW| b|ei Yg'Z'f'W'W|g|Wb|U|b|b| X|cXYg|ZY'X'YZ'W'f|Ubg|g'cf'g|UbX'V|dc'U'f'1 bW|cb'f|U| g|g'cf'g|"bW XYgk YY_ 'mi'U"

(8S" D'ng|W Df|bW|d'Yg'cZGc'|XGHY'8 Yj |Wg|f|EG

DfYfYeI |g|hY' 9; F & 8z9; F (\$) "

-b|fcXi Wg'WbWd|g|b'a Uhf|U'g|WbWUbX'ei Ubi a d'ng|W|z|bW X|b| 'a cXYf'b'h Ycfmi cZg'c'|Xg'za U|bY|WbX'cd|H|W' dfcdYf|Yg'cZ'a Uhf|U'g'z'g'a |!WbXi W'cf'g|UbX'g'a |!Wb| Xi W'cf'X'j |Wg'z|Y'Wf|V'a Uhf|U'g'z|UbX'g' dYfWbXi W|j |m|

() S" H' Yfa c!U' |X'8 nbUa |Wg|=f|E:

DfYfYeI |g|hY' 9; F & &

DfcdYf|Yg'cZ'h Y|XYU' | U'g'z'a cXYg'cZ|bW'a dfYgg|VY'UbX' W'ffYg|cbX|b| 'g|H'Y'g| U'g| j U'dcf'a |l'h fYg'z|U|U' |m|UbX'|ffY' Yfg|V| |h'z'dck Y'f'UbX'fYz| |YfU|cb W'W|g'z| |g'W'i'g' UbX'VeI bXU'f'm|U'hY' U'ck z|b|j |g|X|bW'a dfYgg|VY'U'ck z'W'a dfYgg|VY'U'ck z'UbX'h fVc| a UW|bYf'n|bW XYgk YY_ 'mi'U"

() *" A UW|bY/ 'A YWU|g'a H' Ycfm|' 8 Yg| b|f|E:

DfYfYeI |g|hY' 9; F & 'S"

7cJ Yfg'XYg| |b'z'g'Y'W|cbz'UbX'Yj Ui U|cb'cZ'a YWU|g'a g'Z'f'j U|ci g'U'dd'|W|H|cbg|z|b| W X|b| 'd'UbU'f'UbX'g|U|U' |b_ U| Y'g'z'W'a g'z| Y'f'g'z'd'UbY'U'f'm|UbX'bc'b|d'UbY'U'f'm| Y'f' g'ng|h'a g'z|b_ U| Y'gnb'h Y'g|g'z'UbX' |b_ U| Y'XnbUa |Wg|

(+S" < Yh|fUbg|Z'f|f|EG

DfYfYeI |g|hY' 9; F () S"

H'Y'UbUng|g'cZ'j U|ci g' \Yh|fUbg|Z'f'a cXYg|bW X|b| 'WbXi W|cbz'bU' fU'UbX'Z'fW'X' Wbj W|cbz'UbX'fU'X|U|cb|/|b|fcXi Wg'|bXi g|f|U' U'dd'|W|H|cbg'cZ' \Yh|fUbg|Z'f'g' W'U'g' \YhYl WUb| Yfg'z'k U'g'h' \Yh|fW'j Y'f'n|UbX'g|hUa | YbYfU'cf'g|b'Ubi W'U'f'd'Ub|h'cf|b'U |U'g|h fV|bY'Y'Wf|W' | YbYfU'cf"

(- % A UcfD'fc'YMS Yg| b|=f|E:

DfYfYeI |g|hY' DYfa |gg|cb'cZ|bg|fi W'cf"

5 ``ck gU'g| Xybh|c k cf_ |bX|j |Xi U'nc'b UfYU!k cf'X'Yb| |bYf|b| 'dfcV'Ya U'gg| bYX'Vmi Y|h Yf'h Y|bg|fi W'cf'cf U'g|cbg'cf|b| |bXi g'f'm'f'YeI |fYg'h Y'g|h Xybh|c'g'c'j Y'h Y'dfcV'Ya ' VmiU'dd'n|b| 'h Y'Yb| |bYf|b| 'XYg| b'UbX'UbUng|g'a Y'h cX|/|b|j c'j Y'g'cfU'UbX'k f|H|h'b' dfYg|b|H|cbg'z'k \YfY'h Yk f|H|h'b' dfYg|b|H|cb' |g|b'h Y'Z'fa 'cZUX'Yg| b'dcf|z'c' |c'h U'i Xc'W'a Yb|g|UZ ``Yb| |bYf|b| |g|h X'mcZ'h Y'dfc'Y'Wf

(- & A UcfD'fc'YMS Yg| b|=f|EG

DfYfYeI |g|hY' DYfa |gg|cb'cZ|bg|fi W'cf"

5 ``ck gU'U'Ua 'cZ'g|h Xybh|c'k cf_ 'cb UfYU!k cf'X'Yb| |bYf|b| 'dfcV'Ya U'gg| bYX'Vmi Y|h Yf'h Y|bg|fi W'cf'cf U'g|cbg'cf|b| |bXi g'f'm'f'YeI |fYg'h Y'g|h Xybh|c'g'c'j Y'h Y'dfcV'Ya '

9B : =B99|E:B :

- (

VmiMa YZcfhj JUdfcYMa UbU Ya Ybh'bj c j YgcfU k f]Hmb dfYgYbUjcbgzk \ FYhY
k f]Hmb dfYgYbUjcb'lg]b h YZfa fYei JfYXZcf'9; F'(- %H YcfU dfYgYbUjcb k]`VY
Udi V]WmUbbci bWX'Y Ybh'

(-, " 9b]]bYf]b['Gya]bUf'f%:

DfYfYei]g]h' gYb]cf'g]bX]b["

Dfcj]XygUWa dfY Ybgj Yfyj]Yk 'cZU`Yb[]bYf]b['Z bXLa YbhUg'z]bW X]b['a Ua Y!
a U]Vz'd\ng]Vz'WYa]g]fna]bXYWbca]Vz'c dfYdUFYb[]bYf]b[]gYb]cf'gZcf'h YbUjcbU`
: i bXLa YbhUgcZ9b[]bYf]b['f 9LY Ua]bUjcb/Ugc dfcj]XygUFy]Yk 'cZyb[]bYf]b['
Yh.]Vg]UbX'7\]f]g]h]b WbXi W]b]h Yk cf_d`UW'

(-- " Gya]bUf'f% ECb 8 Ya UbX

H: VYi gX'Uhh YX]g]W]cb'cZh YXydUfa Ybh'

% S& S', S(, S"Gh Xn5 VfcUXf%(E5 gB YXX

5`Wi fgygUbXh Yf'Udd]W]cb'a i ghVYXYUbYXUbXUddfcj YXdf]cf'hc hfU Y"

%) !*!+"GdW]U`Gh X]Yg'f%(ECb 8 Ya UbX

@ck Yf'`Y Y' [fci d'gh X]Yg'k \]W'Xc' bchUddYUf']b h Yfyj i `Uf'XYdUfa YbhicZdf]b] g'

'-) !*!+"GdW]U`Gh X]Yg'f%(ECb 8 Ya UbX

I ddYf'`Y Y' [fci d'gh X]Yg'k \]W'Xc' bchUddYUf']b h Yfyj i `Uf'XYdUfa YbhicZdf]b] g'

(-) !*!+"=bXydYbXbhGh Xnif%(ECb 8 Ya UbX

=bX]j]Xi U fYgYUfW i bXYf h Y i]XUbW'cZUZUW'hria Ya Vf'g'

9B ; -B99F=B ;

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8YdUfha Ybh'cZ'9b[`]g\

7c`Y[Y'cZ'5fhg'UbX'GW]YbWYg

:UWi`hm

; YbY: Ubhf&SS&E"5 ggVUHYDfcZggfc'cZ9b[`]g\ UbX'8YdUfha Ybh7\Uf"6"Gz>La Yg A Ux]gcb'I blj YfghmA "5"ZC'X'8ca]b]cb'I blj YfghmA "8]j "ZB Yk 'Cf'YUbg'6Udh]gh H Yc'c]]W'Gya]bUfMA "9X'zUbXD\ "8"zI blj YfghmZCci h Yfb'A]gggdd]"

DufjWU@< Ua]'hcb'f&SS&E"5 gg]g]LbhDfcZggfc'cZ9b[`]g\ "6"5"z6]c UI blj YfghmA "5"z 7U]zfb]UGUHYI blj Yfghz: i ``Yfcb/D\ "8"zI blj YfghmZ; Ycf[]U

8U]XA UcbYf% - -E"5 ggVUHYDfcZggfc'cZ9b[`]g\ "6"5"zK \YUcb7c`Y] Y/A "5"zGUHY I blj YfghmZB Yk Mf_ U6]b[\Ua]cb/D\ "8"zB cfh Yfb =]bc]gI blj Yfghm

6UfU7\]'XfGA W]`]b f% - &E"DfcZggfc'cZ9b[`]g\ UbX'8Yb'cZh Y7c`Y] YcZ5 f]g UbXG]bWg"5 "5"zB cfh YghA]gggdd] 7ca a i b]hm7c`Y] Y/6"5"zI b]cbI blj YfghmA "5"UbX'8"5"zI blj YfghmZ A]gggdd]"5XX]hcbU'gh Xnz< Uf UFXI blj Yfghm

< UKYniA cmf'f&SS' E"5 gg]g]LbhDfcZggfc'cZ9b[`]g\ "6"5"z< ci g]cb'6Udh]ghI blj YfghmA "5"zUbXD\ "8"z6UmcfI blj Yfghm

; U]b F]WUXgcb'f% - , E"5 ggVUHYDfcZggfc'cZ9b[`]g\ "6"5"zJ UbXfV]]hi blj YfghmA "5"UbXD\ "8"zI blj YfghmZ =]bc]gUhi fVbU 7\Ua dU[]b"

6cWmF c] Yfghf% , - E"DfcZggfc'cZ9b[`]g\ "6"5"zI blj YfghmZ HbbYggYU? bcl j]`Y' A " : "5"zI blj YfghmZ]f[]b]U

Fc[Y'G'GHb Ymf% - S'E"5 gg]g]LbhDfcZggfc'cZ9b[`]g\ "6"5"z5 ddUW]]b'GHUHYI b] j YfghmA "5"z9UghHbbYggYGHUHYI blj Yfghm'5XX]hcbU'gh XnzI blj YfghmZ A]gggdd]"

DUa G' hcb'f% - , E"DfcZggfc'cZ9b[`]g\ "6"5"zCi h Yfb'5f_ Ubg]gI blj YfghmA "5"UbX' 9X'Gz5f_ Ubg]gGHUHYI blj Yfghm'9X'8"zHM Ug5/ A I blj Yfghm 7ca a YfW"

A]gg]cb' GhUy a Ybh

- i` H' dfcj]XYgh XybhWb]mYXUhb]cb'k \]WZM]]H]hg'YZZM] YW a a i b]W]cb"
- i` H' cZf' W' fgYg]b' Wa dcl]hcb'k \]W'fYei]fYUbUm]]W' fYU]b[z'h]b_]b[z'UbX' k f]]b["
- i` H' cZf' W' fgYgh Uyl d'cfYUbXUbUmYa i 'h]W'hi fU`]]m]Ui fYc' VfcUXYb'k cf' X' j]Yk'g"
- i` H' cZf' U'fU]]YcZ9b[`]g\ W' fgYg Ya d\ U]n]b[[]YbfYgz'dY]cXgz'a U'cf'k f]]m]gz \]g'cfm]UbXg'fi W' fYcZh'Y'Ub[i U'z'Wa dcl]hcb'z'fYg'UFWz'UbX'W]]h]W' UbUnglg'

7iff]Wi`ia`

- =" A Ucf']b'9b[`]g\ K]h K f]]b['9a d\ U]g' ' (\ci fg
- 5"

9B : @ = G >

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- ' 9B; '() \$'cf'(*\$f ' \ci fg
- '"" 9B; " \$\$UxX(- \$f (\ci fg
- 6" 5Xj UbWX@|hfUi fYGi X|Yg * \ci fg
- %' 9B; " ('cf" (&
- ' 9B; "' ('cf'')
- 7" ; YbfYgi X|Yg GYWM%Zca ' \$)z' %\$z' &\$z' ')z' '+
- 8" 9'Wmj Yg GYWM%&\ci fgZca 'Ubn' \$\$#(\$\$'Yj Y'9B; 'Wi fgyg"
- == " HUWYf@|Wbg fYZf9b| 'lg' fi fUXYg'+!%&
- 5" A Ucf'fYei |fYa YblgUgga'ck b Uvej YZcf Y|h Yf WbWbhfUjcb'lc 'lbW XYVch "
- ' 9B; '() \$'UxX(*\$zfYxi Wb| '9B; '9'Wmj Y'ci fgVmi' \ci fg"
- 6" DfcZgg|cbU 9Xi W|hcb. 98I % \$Z& \$Z' 'z' (&\$z'(' ' /DGM&%z' % /G9'&& "
- 7" H'Ygi XYbha i ghYUfb'U' "Sa Ucf; D5 "
- 8" 7ca d'Yhcb'cZUdd |WVYdcfhcbgcZHYDFU |g'==
- 9" : cf UXX|hcbU 'lbZca UjcbzgyYhY8 |fYMF'cZHUWYf'9Xi W|hcb"
- =J" 9b| 'lg' 'A |bcfFYei |fYa Yblg
- Gi |X|b| 'cb'hY%& \ci fgCZ9B; 'fYei |fYX|b'hY; YbYFU'7cfYZhYa |bcf'fYei |fYg'.
- %' 9B; '\ci fg2&- "

.9B ; @=G <

5ggYgg a Ybh'cZ'AU'c'fg

A Ucf'fYfYei |fYX'lc'fU Y9B; '(- \$'k \ |W'lg'h YW'a |bUjcb'cZhYa Ucf' |b'hY W'a d'Y'hcb UbXXYZbgY'cZUH Y'lg'

Gh i XYbh' Cf [Ub]nUh|cb'

G| [a UHI '8YHkUbUjcbU'9b| 'lg' < cbcf'GcVWmz'fWw| b|nYg'gi XYblg'k \c \Uj Y fYU|nXUW'Wa d' |g'a Yblg|b'hY9b| 'lg' 'Ub| i Uj YUbX' |hfUi fY'H Ya c'hc |g' |G|bWf|h'z' Hf h'z8 Yg| b'f I b|cb I b|j Yfg|h'g' WUdh'k Ugc'f| Ub|nYX|b'%' + "CZUWU' mXYWUfYX' 9b| 'lg' |a Ucf'g#a |bcfgk \c \Uj YW'a d'YhXU'hYgh' *g'Ya Ygh'f' \ci fg'cZw' `Y| Ygi X'z' k |h' * \ci fg|b' |hfUi fY'za Y'h'hYa |b|a i a Y| |M| |mfYei |fYa Yblg'; i fh Yfa cfYZhY gi XYbha i gh' \Uj YU'hYUgh'U' "s; D5 |b'9b| 'lg' '8YdUfLa YbhWi fgy'Zcf'a Ya Vfg' |d"

+

Gh i XYbh' 5kUfX

H'Y < Y'Yb'6' n'h Y7fYUj YK f|h|b| '5k UfX|g| |j Yb'lc'hY| fUXi Uj|b| 'gYb|cf'k \c |g' XY'Ya YXVn'hY9b| 'lg' '8YdUfLa YbhZUW' h'itc VY'h YVYgh'WU'Uj Yk f|h'f'

; YbYfU' FY [i'Uh]cbg

Gi XYblg'UFYfYei |fYX'lc' W'a d'Yh'Yh YW'fYW'ff|W' i a 'fYei |fYa Yblg|b' W'a d'cg|h'cb' UbX' |hfUi fYVYZ'fY'Ybfc' `|b| ' |b'Ub' i ddYf' Yj Y'9b| 'lg' 'Wi fgy"

7 c i fgY' CZYf|b|g' |b'9b| 'lg' \ f9B ; l

fE< ci fg7fYX|h' : !: U' /K !K |bh'f/GGdf|b| /G !G a a Yf

%&&" K f|h|h'b 7ca d'cg|h'cb' =f|E: zGzG

-bW XYg'Ugi X'nicZ'hYdf|bVd' Yg'cZ| fUa a U'zi gU YzUbX'f' Yrcf|W'Ya d'Ug|n|b| 'hY k f|h|b| 'cZWUfZYZW|j Y'Yi d'cg|h'cb'

%'" K f|h|h'b 7ca d'cg|h'cb' =f|E: zKzG

DfYfYei |g|h'Y' 9B; %&&" -bW XYg' |VfUmficf|Yb|Ujcb' UbX' |bgfi W|cb| 'b' fYg'UFW'a Y'h'cXg' Gi XYblg'k |`'k f|h' W|h'W' h'Ya Yg'UbX'UfYg'UFW'dUdYf'

&&% K cf X@|hfUi fY=f|E: zK zGzG

DfYfYei |g|h'Yg' 9B; %&'%' GY'W'X'k f|h'f'g'V| |bb|b| k |h' h'Y; fYU_gUbX'Wb|h|bi |b| 'h'fci [\ h'Y%'h' Wb|hi f'n'

88& KcfX@hMUi fY=fLE: zKzGzG

DfYfYeI jghYg 9B; %%%z%8&

GyWmXk cf Xk f]hfgZca h Yy[\ \hYbh h.fci [\ \hYh YbhYh Wbh fnt

'SS" @hMfmi7f]hWga UbX5bUngjgflEG

DfYfYeI jghY 9B; '8&%cf'8&&'7cfYeI jghY 9B; '8&%cf'8&&UhfmbUj Yz

Cj Yfj Yk 'cZa Yh cXc'c[]Yg UbX;j Ufci g'gWcc'g'cZh Ycfmi gYX'j b`hMfmiUbUngYg
k]h 'gdYwU Uhbh]cb]c WcgYfYUx]b[hWb]ei YgzWi d YXk]h 'a Uhfmi cZA @5 gmY
[i]XY]bYg'

7ca d Yh]cb'cZ9B; %%%z%8&z8&AbX8&&]gdYfYeI jghYc U`h YZc`ck]b[.

9B : @-G
^

'S" 8fLa UfLE9j YfniH]fXMuI

FYwdfcW WYX]h 7CA " S"

FYdfYg]bhUj YXfUa UggyWmXZca `]hMfUra\]gcf]Wcf h Ya UjWmdYg"-bW XYgg W
k f]hfgUg-VgYbz7\ Y_cj zG Uk z6fYwizC N Y]`z-bYgWzUbXGcn]b_U'

'%S" DcYfni fLE9j YfniH]fXMuI

FYdfYg]bhUj YdcYfmgYWmXZca `]hMfUra\]gcf]Wcf h Ya UjWmdYg"-bW XYg h Y
k cf_g'cZg W'k f]hfgUg GUd\cz 7Ui `i gZDYfUWZ; cYh YZ Di g_\]bz9']ch UbX
: fcgI

'%8" @hMUi fYUbX:]a fLE

5bY Ua]bU]cb'cZh Y]bhfgW]cb'cZUa UbX`hMfUmi h gUbXh YgWc U'f mLbUngYgcZ
YUwbUfUj YZca U'h 8]gWggcb]bW XYgW'h fU UbX\]gcf]W UgYwizd\]cgcd\]W'
UdfcUWYg]c UXdU]h]cb UbXh YhWb]W UbUng]gcZUa "

'%z 7fUj YK f]h]b[fLE: zG

FYwdfcW WYX]h 7CA "%z

9a d U]g]gcb h YdfcXi W]cb'cZcf[]bU'k f]h]b[gZdUf]W U'f m]b h Y[YbfYgcZdcYfni
g'cfhgcfniXfUa UZUbXYggUh

'% " 5Xj UbWX7ca dcl]h]cb fLEg/K UgbyYXX

FYwdfcW WYX]h 7CA "% "

HWb]ei Yg'cZk f]h]b[YZwMj Y Yl dcl]h]cfrnUf[i a YbhUj YzXYgW]dhj YzUbX'bUfUj Y
bcUW]cb dfcgY'

'8S" H YG cfhGcfni fLE9j YfniH]fXMuI /K UbXG 5gB YXX

5'gh XmcZfYdfYg]bhUj Yg'cfhgcf]Yg gyWmXZca `]hMfUra\]gcf]Wcf h Ya UjW
mdYg"-bW XYgg W'k f]hfgUgA U dUgU]bz7\ Y_cj zDcYz:cnWz@k fYbWz< i fgcbz
C N cbbcfz; cfX]a YfZA UZci nzUbX; UfWUA Ufei Yn'

' (" Gfj YncZ5a Yf]Wb=fLE9j YfniH]fXMuI

5'gh XncZ]hMUi fYZca h Y7c'cb]Uz9U'f mB U]cbUzUbXfca Ub]Wdf]cXg'

' () " Gfj YncZ5a Yf]Wb=fLE9j YfniH]fXMuI

5'gh XncZ]hMUi fYZca h YFYU]g]Wdf]cXh.fci [\ \Dcgha cXYfb]ga "

' * " H Y9d]WLE9j YfniH]fXMuI

7ca dUfUj Ygh XmcZcfU#Zcfa i]UWUygZca 'fci bX'h Yk cf Xk \]W\ Uj YVYb'
fWfYXZzUbX'cZh Y`hMfU]WU]h]cbg]bh]bXYX]c]a]hU'h cgYU Yg]b'gca YfU]h]cbg"
-bW XYgg W U h'cfgUbXk cf_gUg;] [Ua Yg'z< ca Yf]Wd]WzJ]f[]z=WUbX]WgU UZ
5f]cg]cZA]]cbzh YfUa UnUbU]h YA k]bXc 9d]WUbX5a cgH hi c U'

' + " H YBcj Y fLE9j YfniH]fXMuI

FYdfYg]bhUj Ybcj YgZca `]hMfUra\]gcf]Wcf h Ya UjWmdYg"-bW XYgg W'k f]hfgUg
7Yfj Ub]h]gZ6UnUW8 c]cYj g_nz< Uk h'cfbYz:cnWz: U`_bYfzCgY]zUbX5 WYW'

(- S" GYb)cfH YglgflG

DfYfYei jglhY DYfa jggjcb'cZh Y8 YdUfla Ybh7\Uf

H\YW'a]bUjcb'cZh Ya Ucfzh Ygh XYbhk]` Wa d`YH\UH Yglg'Xa cbgfUj]b[`Ub i b!
XYfgUbx]b[`cZh Ydf]b]d`Yg'cZ`]HfUfmiH YcfmUbx`W]h]Vga "H\Ygh XYbhk]`dfYgYbhi
UbxXYZbXh Yk cf_ VYZfYUZUW`hmdUbY"

(-, " GYa]bU'fLE:

5`gh XnicZgy`WmX`hcd]Wjcf`k f]Hfg'cZk cf`X`]HfUi fYlc`Yd`h Ygh XYbh]bH] fUY
Ubx`Yj Ui UH'a UHf]U]b`fYUgbc]h`cfci [\`n]Wj YfYXVmWi fgYk cf_ UbX`lc`hUW`h Y
gh XYbhW]h]W UddfcUWYgUbx'a Yh`cXgcZfYgUFW" H\Ygh XYbhk]`k f]H\UdUdYf Ubx
XYZbXh YdUdYf]b`Udi V]WZcfi a `cdYb`lc`ei Ygh]cbg"

9B
^C=@:BG

%S&S', S(, S"Gh Xm5 VfcUKDfc] fUa gfl(L5gBYXX

5``Wi fgYgUbx`h Yf`Udd`]W]h]cbga i ghVYXYUbYXUbx`Uddfcj YX`df]cf`lc`lfUj Y"

%)!*!+"GdWU`Gh X]Ygfl(ELc b 8 Ya UbX

@ck Yf!`Yj Y`[fci d`gh X]Ygk \]W`Xc`bchUddYUf`]b`h`YfY[i `Uf`XYdUfla YbhU`cZf]b[g'

'-)!*!+"GdWU`Gh X]Ygfl(ELc b 8 Ya UbX

I ddYf!`Yj Y`[fci d`gh X]Ygk \]W`Xc`bchUddYUf`]b`h`YfY[i `Uf`XYdUfla YbhU`cZf]b[g'

(-)!*!+"=bXYdYbXYbhGh Xniffl(ELc b 8 Ya UbX

=bX]j]Xi U`fYgUFW i bXYf`h`Y[i]XUbw`cZUZUW`hria Ya Vffg"

I7cbg`h`h`Y9b[]g\`8 YdUfla YbhZcf`XYU]`g"

%%\$

' " D< @& S\$' (*z' (+z' (- í %&\ci fg
(" DG7' &@z&@z' ' &í - \ci fg
) " GYb]cf' GYa]bUf' (-,]b Y]h Yf DG7zD< @zcf'97: í (\ci fg
6" 9'Wmj YWi fgY'dcc í gYWM% \ci fgk]h Uh YU]hcbYZca YUW'[fci d
%: 97: ' &z')) z(%z'(%z'(' \$
&' D< @' () /< CB '&S&S&S' &S' (\$
' " DG7' %z' &(z' &z' ((z' *Sz'(%

7" DD9'a Ucf'fYfY Ya dhZca 'h YfYei]fYa YbhcZWa d'Y]b[Ua]bcf

'=J" HUUWf'@Wbg fYZcf<]gcfmfi fUXg'+!%&

5" A Ucf'fYei]fYa Yblg'Ug'ck b'Uvcj YUbX'hc]bW XY' &&
6" ; YbYU#GdYUWcfYhc]bW XY; 9C %&/&@ 'cf'&@/UbXDG7' &@% z'(& %&@
7" DfcZgg]cbU'9Xi W]hcb. 98I % S& S' &z'(& z'(' /DGM&@z' /G9' &@ "
8" 7ca d'Y]hcb'cZUdd]WVYdcf]hcbg'cZh YDfU]g'=" XY<]g'z' /G9' &@ "
9" : cf UXX]hcbU]bZ'fa U]hcbz'gYh Y8]fYW'cf'cZHUUWf'9Xi W]hcb"

' J" HUUWf'@Wbg fYZcf; cj Yfba Yblfi fUXg'+!%&

5" A Ucf'fYei]fYa Yblg'Zcf DG7' Ug'ck b'Uvcj Yhc]bW XY' %z' %z' & "
6" 7cfYhc]bW XY; 9C %&/&@ 'cf'&@ /< =G%&@%&S&S&@UbX'&@
7" DfcZgg]cbU'9Xi W]hcb. 98I % S& S' &z'(& z'(' /DGM&@z' % /G9' &@ "
8" 7ca d'Y]hcb'cZUdd]WVYdcf]hcbg'cZh YDfU]g'="
9" : cf UXX]hcbU]bZ'fa U]hcbz'gYh Y8]fYW'cf'cZHUUWf'9Xi W]hcb"

'J=" <]gcfmA]bcfí &@ci fg

5" FYei]fYa Yblg'cZU'<]gcfmA]bcfg
%: < =G%&@%&S&S&@()

<GHC FM'5B8' DC@H=75@G7-9B79

%\$&

7

%)

<=GHC FM'5B8'DC@H=7 5@G7=9B79

8YdUfha Ybh'cZ'@Ub[i U[Y

7c`Y[Y'cZ'5fhg`UbX`GW]YbWYg

:UWi`hm

>XUb`A Uf]YKU`gf%, +E'DfcZggf'cZ@Ub[i U YUbX`8YdUfha Ybh7\Uf"6"5"UbXA "5"Z
A]ggggdd]GUYI b]j Yfghm'UbXD`8"Z@ci]glUbUGUYI b]j Yfghm'5XX]hcbU`gi Xnā
Bcfhāk YgMfI b]j Yfghm'

Δ `Y; `cggbf% -)E"5 ggWUHYDfcZggf'cZGdUb]g"6"5"Zl b]cbI b]j Yfghm'A "5"ZUbX
9X"8"Zl b]j Yfghm'cZA Ya d\]g"

7nbh]UDck Y`>UhbYf% +*E'I b]j Yfghm'DfcZggf'cZ@Ub[i U YUbX`5 ggWUHYDfcj cgh
Zf`-bhfbU]cbU`UbX`-bhfW`hi fU`Gi X]Yg"6"5"ZA]ggggdd]7c`Y]Y/A "5"UbXD`8"Z
@ci]glUbUGUYI b]j Yfghm'5XX]hcbU`gi XnāJUbXfV]`hI b]j Yfghm' b]j Yfghm'cZ? Yb!
hi WnāUbX'h YG a a Yf`-bg]h h'cZ`-bhfW`hi fU`7ca a i b]W]hcb"

ŦbfYb`A Uf]b fSS' E"5 gg]LbhDfcZggf'cZ@Ub[i U Yg"6"5"ZGā ZcfXI b]j Yfghm'6"5"Z
I b]cbI b]j Yfghm'A "5"ZHAYI b]j Yfghm'cZ5`UMā U'8cWcfU`7UbX]XU]ZA]XXYI fmi
7c`Y]Y"

D]`]d; "Fntb'f% -+E"5 ggWUHYDfcZggf'cZ@Ub[i U YUbX`7ccfX]bUcf'cZhY9G@
Dfc[fLā "6"5"Zl b]cbI b]p A] žfA b'6ž žfA

}%-

' & " D \ cbYHjWgUbX8]Wjcb fL

DfYfYeI |glhY CbY&S! Yj Y Wi fgY

Dfcbi bWUjcbz|bcbUjcbzdUhfbgzUbXi gYcZh Y-bhfUjcbU D\cbYHjW5 `d\UWf

' ' S" 5Xj UbWX; fUa a Uf=fL

DfYfYeI |glhY CbY&S! Yj Y Wi fgY

7ca dfY\Ybgj YfYj |Yk `cZ| fUa a Uf k |h UhYb|cb|c Uxj UbWXWbWdlgUbX'gfi Wf fYg bchWj YfYX |b`ck Yf`Yj Y Wi fgYg" 8Yj Ycda YbhcZk f|H|b| `g.]`g'UbX'Udd`jWjcb`cZ | fUa a Uf`WbWdlg'h'fci [\ Wa dclg|cb"

(%!, "5Xj UbWX: fYbW'Gh XjYgfl

DfYfYeI |glhY gl `ci fgcZUj UbWX: fYbW'f'f'h'fYfY`ci fgUbX'WbW'f'f'Yb'h'Ybc`a Yb|b` h'fYfYUxj UbWX`ci fgc'h Yf'h Ub` (%!, LUbX'dYfa |gg|cb`cZ'h Y'X'Y'dU'fa Yb|f' G dYfj |gX'j|bX'YdYbX'Yb|k cf_`g'dY'U'W`mX'Yg| |bYX'Z'f'|bX|j |Xi U`gh X'Yb|k |h W'b|h'b|h X'Y'h'fa |bYX'V'm'h Y'g'W'dY'UbX'ei U|j'm'c'Z'h Y'g'i X'Yb|h'g'df|cf k cf_`|b` : fYbW"

(%" : fUbWd\cbY7i `h fU`Gh XjYgfl

DfYfYeI |glhY %'cf" %"

5b`Y'Ua |bUjcb`cZ'XnbUa |W'g'cZ'W'h fY|b`h'Y: fUbWd\cbYk cf'X`Gh X'm'c'Z'W'h fU` g'g'h'a g'z|bg|h| h'cbg'UbX'dfU'W'g'

(&S" -b|fcXi Wjcb|c: fYbW'bcj Y'fL

DfYfYeI |glhY CbY&S! Yj Y: fYbW'Wi fgYcf'YeI |j U'Yb'h'd'f'c'U'W'b'W'h

FYU|b| UbX'Ub'Ung|g'cZ'f'Yd'f'Y'g'b|h'Uj Y: fYbW'bcj Y'g'U'j|h'f'U'm|`Y'bf'Y"

(&G" -b|fcXi Wjcb|c: fYbW'DcYf'f'fL

DfYfYeI |glhY CbY&S! Yj Y: fYbW'Wi fgYcf'YeI |j U'Yb'h'd'f'c'U'W'b'W'h

Gh X'm'UbX'Ub'Ung|g'cZ'd'c'Y'f'm'UbX'f'Yd'f'Y'g'b|h'Uj Y'h'm |g'Z'ca `h'Y: fUbWd\cbYk cf'X"

(' S" 5Xj UbWX; fUa a Uf=fL

DfYfYeI |glhY: F9" ' S"

5b`Uxj UbWX'gi X'm'c'Z: fYbW`| fUa a Uf k |h `df|a U'f'm'Z'W'g'cb`h`Y'h`Y'c'f'Y'W`W'b'W'dlg` h'U|`cj`Y'f'`| fUa a UjW`g'fi Wf fYg'

7c i fgY' CZYf|b|g'b' ; Yf a Ub'fl ; 9 Fl'

ffL< ci fg'7fYX|h: !: U`/K !K |b'h'f'/G'Gdf|b| /G !G a a Yf

%%&%'6Y| |bb|b| ; Yfa Ub'fl UbX' E5gBYXX

: i bXUa Yb|U'g'cZ'dfcbi bWUjcbz|Wbj YfgUjcbz| fUa a UfZ'UbX'W'a dclg|cb"; 9F`%%& WbbchVYHj_Yb`Z'f`WYX|h'V'm'gi X'Yb|g'k`c`\U`Y`U'X'h'fYf'cf'a cfY'g'W'b'X'U'm'g'W'cc` i b|g'h'fYfY`ci fg`Y'm' fY'UbX'cbY`ci f`U'd'Y'f'k`Y'Y`"

&%'&"-b|h'fa YXjUW; Yfa Ub'fl UbX' E5gBYXX

DfYfYeI |glhY: 9F`%&'cf`X'Ya cbg'f'U'h'X'd'f'c'U'W'b'W'h

FYj |Yk `cZ| fUa a Uf'fYU|b| `cZ; Yfa Ub`h'm |g'W'bj YfgUjcb'UbX'W'a dclg|cb"

7c i fgY' CZYf|b|g'b'6|V|WU`@Ub| i U|Yg'fl ; F?'UbX' <6 Fl'

: cf'a U'cf'UbX'a |bc'f'f'YeI |f'Ya Yb|g'UbX'Wi fgY'cZ'Z'f|b| g|b'6|V|W`@Ub| i U`Y'g'f' fY`_` UbX< Y'W'k'f'z'g'Y'h`Y'G'W'cc` `cZ7`f|g|Ub`Gh XjYg'

@5B ; 15 ; 9

%&

7c i fgY CZYf]b [g] b'G] [b'@Ub [iU [Y'fG; ; L
fL< ci fg7fYX]h: !: U' /K !K]bHf/GGdf]b /G !G a a Yf

%&@=blfcXi Wjcb'lc'5a Yf]Wb'G] [b'@Ub [i U Yf] UbX' L%&@ :z%&@ G
: i bXLa Yb]UgcZ5a Yf]Wb'G] [b'@Ub [i U Yf5 G@L]bW XYggnb]U zgYa Ub]Wz]UbX'dfU !
a U]WgcZg] [b]b] U'gk Y' UgUb]blfcXi Wjcb'lc'XYUZW'h fy'H YgYWi fgYgXc bchg]hgZni
h YWfYWff]W/i a "Ub [i U YfYei]fYa YbH"

7c i fgY CZYf]b [g] b'GdUb]g \ 'fGD5L'
fL< ci fg7fYX]h: !: U' /K !K]bHf/GGdf]b /G !G a a Yf

%%&@6Y []bb]b] 'GdUb]g' f] UbX' L%&@ zG/%&@ zG
: i bXLa Yb]UgcZdfcbi b]W]hcbz]Wbj Yfg]hcbz] fUa a UfZubXW'a dcg]hcb"GD5 %&@Wb!
bchVYHU Yb Zcf WYX]hVnigh XYb]gk \c \ Uj Y\UXh fYcf a cfYg]WbXUfmg]Wcc' i b]hg"
HfYfY\ci fg"YMi fyUbXcbY\ci f"UWdfYk YY"

%&@=blfYa YX]UY7cbj Yfg]hcb UbX; fUa a Uf]f]LHU [\hYj Yfm(h' gYa YgHf
DfYfYei]g]h: GD5 %&@z &cf' a cfYmUfg\] [\ 'gWcc" GdUb]g' cf XYa cbg]fUHX' dfcU!
W]bW]h
7cbj Yfg]hcbz]]g]b]b] 'Wa dfY\Ybg]cbz]blfcXi Wjcb'lc'd\cbY]Wz] [fUa a U'fYj]Yk "

%&@=7ca dcg]hcb UbX; fUa a Uf]f]LHU [\hYj Yfm(h' gYa YgHf
DfYfYei]g]h: GD5 %&@z &cf' a cfYmUfg\] [\ 'gWcc" GdUb]g' cf XYa cbg]fUHX' dfcU!
W]bW]h
Fy]]Yk 'cZZ bXLa Yb]U [fUa a Uf]UbXW]b]bi YX'Xy Ycda YbhcZ\] [\ Yf"Yj Y W'a a i !
b]W]h] Yg.]`gk]h' dUf]W'Uf Z'Wg'cb g]fYb [h Yb]b] [k f]h]b] 'UbXW'a dcg]hcbU'g.]`g"

%&@=blfcXi Wjcb'lc' <]gdUb]W]i 'h fygf]LHU [\hYj Yfm(h' gYa YgHf
DfYfYei]g]h: GD5 %&@z &cf' a cfYmUfg\] [\ 'gWcc" GdUb]g' cf XYa cbg]fUHX' dfcU!
W]bW]h
FYU]b] g'UbX'ch Yf' a U]f]U'g'cb'gy'W]X'UgdY]Mg'cZGdUb]g' UbX'GdUb]g' '5a Yf]Wb'
W'h fyg"

%&@=FYU]b] g]b'@]HfUi fyUbX'7i 'h fygf]LHU [\hYj Yfm(h' gYa YgHf
DfYfYei]g]h: GD5 %&@z &cf' a cfYmUfg\] [\ 'gWcc" GdUb]g' cf XYa cbg]fUHX' dfcU!
W]bW]h
8Yj Ycda YbhcZfYU]b] [g.]`gbYWgg]f]mZcf UbUm]b]]M]g]fYdfYg]b]b] [UVfcUXfUb] Y
cZk f]h]b'gci fWg"

I ddY"Yj Y Wi fgYgUFYcZfYXcbU&cf"]nYf]fch]hcb.
' %&@ G fj YmcZGdUb]g' @]HfUi fyf]L5gBYXXY
DfYfYei]g]h: CbY&SS' Yj Y'GdUb]g' Wi fgYcf'Yei]j UYbhd]fcU]W]bW]h
Gi XmcZh Y']HfUi fyCZGdUb]Zca 'DcYa UXYA]c'7]X'hfci [\ h Y%h W]b]i fmi

' %&@ G fj YmcZGdUb]g' @]HfUi fyf]L5gBYXXY
DfYfYei]g]h: cbY&SS' Yj Y'GdUb]g' Wi fgYcf'Yei]j UYbhd]fcU]W]bW]h
Gi XmcZh Y']HfUi fyCZGdUb]Zca 'h YVM]]bb]b] cZ]h Y% h W]b]i fmi c' h YdfYg]b]h"

' %&@ 5Xj UbWX7cbj Yfg]hcb f]L5gBYXXY
DfYfYei]g]h: * \ci fg'cZGdUb]g' U]h Y&SS' Yj Y'cf XYa cbg]fUHX' dfcU]W]bW]h
5Xj UbWX'cfU' W'a a i b]W]hcb'k]h 'Ya d\U]g'cb'fYW] [b]n]b] 'UbX'i g]b] 'Udd]fcd]U]Y
f] [g]h]z]b]h]f]d]Yfg'cbU'g.]`gZcf X]Z]fYb]h]W]b]h] h]z]b]cb]j YfVU' W'a a i b]W]hcb"

' %&@ G fj YmcZGdUb]g' '5a Yf]Wb' @]HfUi fyf]L5gBYXXY
DfYfYei]g]h: CbY&SS' Yj Y'GdUb]g' Wi fgYcf'Yei]j UYbhd]fcU]W]bW]h
FYdfYg]b]h]j YGdUb]g' '5a Yf]Wb' U' h'cf]gZca 'h Y7cbei Yg]h'c' h Y% h '7Yb]i fmi

'%" Gi fj YmcZGdUblg' 5a Yf]Wb @]hfUi fYZca h Y%h 7Ybhi fnflE5gB YXX
DfYfYei]glh' CbY&SS! Yj Y GdUblg' Wi fgYcf Yei lj UYbhdfeU]WbW
FYdfYgYbHj YGdUblg' 5a Yf]Wb U h c f g Zca h Y%h 7Ybhi fmitc h YdfYgYbH

'%" <]gcf]W Dmf]dYWj YgcZ h Y<]gdUbl]Wk cf XflE5gB YXX
DfYfYei]glh' Ubni&SS! Yj Y Wi fgY
5Xj UbWXgi XmcZ<]gdUbl]WdYg]dYWj Ygcb h Y\]gcf]W Xj Ycda YbhcZ h YW' h fYg
cZ h YGdUblg' !gdYU]b['k cf X'

'&S" GdUblg' Zcf 6i g]bYggflE5gB YXX
Cf] UblnUjcb' UbX dfU]Wg' cZ h Y<]gdUbl]Wwi g]bYgg' k cf X' k \]W' Yl Ua]bYg' h Y[Yc!
dc]h]W' UbX' ge' Vc! YWbca]WZUmcfg' h Uh UZZW' Vi g]bYgg' dfc WXi fYg']b' UfYUg' g' W' Ug'
UbUbWza Uf_ Y]b[zUj Yf]h]g]b[UbX'a UbU Ya Ybh'UbX' Ub[i U YUddfedf]U]W'c Vi g]bYgg'
Ybj]fcb'a Yblg'

'&" D\cbY]W]UbX8]W]cb flE5gB YXX
DfYfYei]glh' CbY&SS! Yj Y Wi fgY'
Dfcbi b]W]U]hcbz]b]cbU]hcbz' Ub[i U Y dU]mf]bg' UbX i gY' cZ h Y' -bh'fbU]hcbU' D\cbY]W] 9
5' d\U]W]h'

' ' S" 5Xj UbWX; fUa a Uf' =flE5gB YXX
DfYfYei]glh' CbY&SS! Yj Y Wi fgY'
7ca dfY' Ybgj Yfj]yk 'cZ] fUa a Uf' k]h U]h]b]h]cb' h'c Uj UbWX' Wb' Wdlg' UbX' g]fi W' fYg'
bch'Wj YfX']b' 'ck Yf' 'Yj Y' Wi fgYg' 8 Yj Ycda YbhcZk f]h]b['g_]' g' UbX' Udd']W]h]cb' cZ
[fUa a Uf' Wb' Wdlg' h' fci [\ Wa dclg]h'cb"

(%& -b]fcXi W]cb' h'c <]gdUbl]W] fUa UflE5gB YXX
DfYfYei]glh' CbY' SS! Yj Y Wi fgY'
FYU]b[' UbX' UbUng]g' cZgY' Y]W]X<]gdUbl]W] 'Ung' 'Gi XmcZ' X' fUa U' Ug' U']h'f' U]mi[YbfY' " %%(

(%!, "5Xj UbWXGdUblg' 'Gi X]YgflE5gB YXX
DfYfYei]glh' G] \ci fg' cZUj UbWX' GdUblg' 'f' b' h' fY' \ci fg' UbX' Wb' Wf' Yb' h' Yb' f' c` a Yb' h'
]b' h' fY' Uj UbWX' \ci fg' c' h' Y' h' U' b' (%!, EUbX' Udd' f' c' Z' h' Y' X' d' U' f' a' Yb' h'
G' d' Y' j']g' X']b' X' Y' d' Y' b' X' Y' b' h' k' c' f_ ' g' d' Y' W' U' W' m' X' Y' g']b' Y' X' j']X' i' U' g' h' X' Y' b' h' k']h' W' b' h' b' h' i'
X' Y' h' f' a']b' Y' X' V' m' h' Y' g' W' d' Y' U' b' X' e' i' U']m' c' Z' h' Y' g' h' X' Y' b' h' g' d' f' c' f' k' c' f_]b' GdUblg' "

(%" <]gdUbl]W]i 'h fU' 'Gi X]YgflE5gB YXX
DfYfYei]glh' '%&' cf" %"
5b Yl Ua]bU]hcb' cZi bXf' n]b['Wi gYg' cZ' W' h' fU' d\ Ybca YbUcZ h Y<]gdUbl]Wk cf X'

(&S" -b]fcXi W]cb' h'c h Y<]gdUbl]W]b' c] Y' flE5gB YXX
DfYfYei]glh' CbY&SS! Yj Y Gd5' cf Yei lj UYbhdfeU]WbW' i']bg]fi W' c' f' g' W' b' g' Yb' h'
FYU]b[' UbX' UbUng]g' cZf' YdfYgYbHj YGdUblg' 'bcj Yg' Ug' U']h'f' U]mi[YbfY'

(' S" 5Xj UbWX; fUa a Uf' =flE5gB YXX
DfYfYei]glh' Gd5' ' ' S"
5b Uj UbWX' gi XmcZ' GdUblg' [fUa a Uf' k]h' d' f]a U]m' Z' W' g' c' b' h' Y' h' Y' c' f' Y' h' W' W' b' W' d' l' g'
h' U' h' [c] Y' b' [fUa a U]W' g' fi W' fYg'

@5B : 15 : 9

7c ifgY' CZYf]b[g]b'HYUW\]b['9b[']g\`Ug`U'GYWcbX'@Ub[iU[Y#H9G@L
fLE< ci fg7fYX]h': !: U`/K !K]bhf/GGdf]b[/G !G a a Yf

88" @Ub[i U Y/ 7cb]b]h]h hcf]b] fLE:

7cb]g]Xf]g'g W'j Uf]UV'g'Ug'a Ya cfrā a chj U]cbz`Ub[i U Y g.]`z]bZfa U`bYXg'Ug
gYga YbhUbX`W`UvcfU]cb]b'Xy Ycd]b[`Ub'YZW]j Yh hcf]b[`UddfcUW" Hk Yb]m]U] Y
WcW`^ci fg'cZg dYf]gX'h hcf]b[`UfYfYei]fYXUj Uf]b[`Y Y`UbX'h hcf]b[`bYXg'

88" Df]b]Vd`Y'g'cZ@Ub[i U Y/ '5Wi]g]hcb]fLEG

G fj YmcZ`Ub[i U YXy Ycda Yb]z`]b[i]g]W'cZ8h]/g88B'ch Yf`Ub[i U Yg'zdnWc!
]bei]g]W]bX'g'Vc`]b[i]g]W] Uf]UV'g'UbX'h YX]ZfYbWg VYk Yb`Uf]ghUbX'gYWbX
`Ub[i U YUWi]g]hcb]"

'%\$" H Y@a]hX9b[]g\`DfcU]Vbh]Gh X]bh]b DfY? !%&fLE:

DfYfYei]g]h' H9C@88\$/`88"

88@]g]h'fmLbX'dfUMWVZf`]bWfdcfU]b[@D]g] X]b]g'cZj Uf]b[U]`]hYg]b]c V!`UbX'
a i`h]b[i U W]g'fcca gk]h Z`Wg'cb'a Yh cXg'zUddfcUWYg'zgfUM]Yg'YUfb]b[`gm]Yg'

@5B:15:9

%%)



8YdUfha Ybh'cZ'AUh\Ya Uh]Wg'UbX'7cadi hYf'GW]YbWY

7c`Y[Y'cZ'5fhg'UbX'GW]YbWYg

:UWi`hm

A 5H<9A5H:7G:5B8:7CADIH9F:G7:9B79

6fmb 8Uk gcb fl% -, E'DfcZggfcZA Uh Ya Uh]Wg'UbX'8YdUfha Ybh7\Uf"6"G'UbXA "GZ
 D]HgM f['GUHYI b]j Yfglm'D\ "8"ZI b]j YfglmcZB cfh HM Ug"

F]WUX8Y b fl% *- E'5 gg VUHYDfcZggfcZA Uh Ya Uh]Wg"6"GZI b]j YfglmcZA Ya d\lg'
 A "5"HZDi fXi YI b]j Yfglm'A "GZI b]j YfglmcZ5f_UbgLz5XX]hcbU'gh Xnzi b]j Yfglmi
 cZK]gWbglbzI b]j YfglmcZ5f_UbgLzI b]j YfglmcZA]ggci f]!Fc`U"

Ghd\Ub]Y9X]Yf%- *E'5 gg VUHYDfcZggfcZ7ca di hf'GM]bW'5"GZA]XXY; Ycf[]U
 7c`Y[Y'6'GZK Ygh; Ycf[]U7c`Y[Y'A "GZ; Ycf[]UGUHYI b]j Yfglm'A "8lj "ZGci h Yfb`
 6Ud]ghH\Yd

cZA Ya d\lg'

'fr8S%L"5 gg VUHYDfcZggfcZ7ca di hf'GM]bW'6"A "ZI b]cbI b]j Yfglm'

%%+ I b]j YfglmcZB Yf" g_U/D\ "8"zH `UbYI b]j Yfglmh F° mM fb FEWU~

I b]j YfglmcZA]gg]gg]dd" A]gg]cb'GUHYa Ybh

: JfghMUF'Dfc[fUa a]bl '5k UFX]g'Uk UFXX'lc U'Wa di Hf'gM'WbW'gi XybhVmiH'Y
8 YdUfla YbhcZA Uh Ya Uh]W'UbX'7ca di Hf'GM'WbW'5'gi Xybh]ggY'YMXZcf'Yl W'YbW
UbX'Yl dYfhgY']b U'fghmYU' dfc[fUa a]bl 'Wi fg'g'

H'YK c'ZUa FYgMFW-bW5k UFX]g'Uk UFXX'lc UZYg'a Ub W'W'i ggi XybhWcgYb'
VmiH'Y8 YdUfla YbhcZA Uh Ya Uh]W'UbX'7ca di Hf'GM'WbW'UgX'i dcb'X'Ya cbgfUH'X'
ci h]U'X]b['UW]Yj Ya YblzYbh'i g]U'a z]b[Ybi]lm]UbX'W'U'U'hj]lm]b'a Uh Ya Uh]W'

7 iff]Wi`i a .AUh\Ya Uh]Wg

H'YX'dUfla YbhcZf'gUa Ucf']b'a Uh Ya Uh]W'UbX'a]bcfg]b'a Uh Ya Uh]W'za Uh Ya Uh
]W'k]h Ya d\U'gg]b'g]U'h]W'zUbX'UM U'f]U'gM'WbW'G'i Xybh]ga Ucf']b[]b'a Uh Ya Uh]W'
p'U'ngY'W'X'c'a X'PY'Z'c'w]b]f]H'U'g]a'U'h'Ya'U'h]W'z'U'W'c']W'U'W'f'Y']S'p'U'Y'a'@]H'g' K...p
Zcf'g'W'X'U'f'm'X'i W'h'cb'f] f'U'X'Y'g'+!%&Zcf'!%&Zcf' g' Y'cb'X'U'*

'A 5H<9A5H=7G'5B8'7CAD]H9F'G7=9B79

%%,

XjgWjcb'cZñ YXYdUfa Ybh'

l'Gj \`ci fga U ja i a 'a UmVYUdd'jXhck UFX' fUXi Ujcb Zca 'A 5H%00&Z%00"
4'8cYgbchiUdd'mick UFXhYa Ucf'cf'a jbcf"

7 iffjWi`i a .7cadihYf'GWjYbWY

H YXYdUfa YbhcZfZi f'd'Ubg'cZgi Xm'7ca di hf'GMbW'a Ucfz8][jHU' A YXjU
Gi XjYg'a Ucfz7ca di hf'GMbW'a jbcfzUbX'7ca di hf'zbZfa Ujcb'GngYa ga jbcf"

I deb'Wa d'Yjcb'cZñ Y7ca di hf'GMbW'a Ucfzñ Ygi Xybik j` \Uj YUb' i bXYf!
gUbXj| 'cZUbX'Ub'UddfWUjcb'Zf'hY|bhffYUjcb'cZñ Y' 'a Uj'UFYg'cZgi Xmj|b'
7ca di hf'GMbW' YYa Ybg'UbX'UFW|HWM fZdfc[fUa a]b| 'WbWdlg'UbX'Ub[i UjgZ'
U[cf|h'a g'XUUGfi W' fYg'UbX'Wa di hf'h Ycfm'H Ya Ucf'Ya d\UgnYg'h YdfUMjW'
Udd'jWjcb'cZñ Ujg'WbWdlgZca YUW/h YfZcfYh Y[fUXi Uh'k j` VYU'Ylc Wb|bi Y
gi Xmj|b'7ca di hf'GMbW'Uhh Y[fUXi Uh'Yj Yzcf'Ybhf'h Y'eVa Uf_Yh'

H Y8][jHU' A YXjUGi XjYg'a Ucf'jg'Ub jbhXjgMd'j|bUfmdfc[fUa 'c|b|b| '5 flz7ca !
a i b|Wjcb'5 flzUbX'7ca di hf'GMbW' h'gd i fdcgY|gic dfcXi WUGi XybUg'h YjW' nã
h YcfYjW' nãUbX'hWbc'c[jW' mhUjbyX'UbX'WdU'YcZñ W' YbW'j|b'h YfYUj'j YnbYk'
UFYUcZñ YXYg| bZdfcXi WjcbzUbX'ja d'Ya YbHjcb'cZñ][jHU' Wa a i b|Wjcb'ga YXjU'
-bW' YX'UFYg W'UFYgUg'k Yvdu YXYg| bZx|[jHU' j'g U'UbX'U fU'Wa a i b|Wjcb'g'
gfUM jYgUbXhU j YnbQ " X|[jHU U ["]h "

'A 5H<9A5H7G 5B8 7 CAD I H9F G7-9B79

%&&

5ggYgg a Ybh'cZ' AU'cfg

5`g`b|cf`W`a di hf`g`M`b`W`a Ucf`ga i gh`U`Y`h`Y`A Ucf: |Y`X`H`g`|b`W`a di hf`g`M`b`W`a U`g`cb`Y`f`Y`e |f`Y`a`Y`b`h`Z`f`7`G`7` (-, f`g`Y`V`Y`c`k`E`

Gh i XYbh' Cf [Ub]nUh]cbg

H`Y`5`7`A` f`b`g`c`V`U`h`c`b`Z`f`7`c`a`d`i`h`b`|`'`A`U`W`|b`Y`f`m`i`G`h`X`y`b`h`7`U`U`h`f`|g`W`a`d`c`g`X`c`Z`g`i`X`y`b`h`g`k` \`c`U`Y`|b`h`f`Y`g`X`|b`|`h`c`X`U`m`g`k`c`f`X`c`Z`W`a`d`i`h`b`|`"`H`Y`W`V`d`f`c`a`c`h`Y`g`U`b`|b`W`U`g`X`_`b`c`k`Y`X`|`Y`c`Z`h`Y`g`M`b`W`Z`X`Y`g`|`b`z`X`Y`Y`c`d`a`Y`b`h`z`W`b`g`f`i`W`|c`b`z`U`b`|`i`U`Y`g`z`U`b`X`U`d`|`W`|h`c`b`g`c`Z`a`c`X`f`b`W`a`d`i`h`b`|`'`a`U`W`|b`Y`f`m`i`=`h`d`f`c`j`|X`Y`g`U`a`Y`b`g`c`Z`W`a`a`i`b`|`W`|h`c`b`V`Y`k`Y`b`d`Y`f`g`c`b`g`|b`h`f`Y`g`X`|b`W`a`d`i`h`b`|`'`a`U`W`|b`Y`f`m`i`U`b`X`h`Y`f`U`d`|`W`|h`c`b`g`

7c i fg' CZYf|b[g]b'7c a d i h Yf'GW|YbWY'fl7G7L'

f`L`<`c`i`f`g`7`f`Y`X`|h`:``!`:`U`/`K`!`K`|b`h`f`/`G`G`d`f`|b`|`/`G`!`G`a`a`Y`f`

%)" G f j YncZA |McWa di Hb| '5dd' |W|cbgflE: zG

5`b`|b`f`c`X`i`W`|c`b`z`f`h`Y`c`b`a`U`c`f`#`a`|b`c`f`z`c`W`a`d`i`h`f`g`U`b`X`h`Y`f`U`d`|`W`|h`c`b`g`"5`g`h`X`m`i`c`Z`m`d`Y`g`c`Z`U`F`X`k`U`Y`U`g`c`V`U`h`X`k`|h`|`g`n`g`h`a`g`U`b`X` \`c`k`'`W`a`d`i`h`f`g`z`b`W`|c`b`"G`c`Z`k`U`Y`d`U`U`Y`g`|b`W`X`Y`k`c`f`X`d`f`c`W`g`|b`z`U`b`Y`W`f`c`b`|W`g`d`f`Y`U`X`g`Y`h`z`U`X`U`U`M`g`Y`a`U`b`U`Y`a`Y`b`h`g`n`g`h`a`U`b`X`U`b`|b`h`f`b`U`W`a`d`c`b`Y`b`h`'7`U`b`c`h`V`Y`Y`U`f`b`Y`X`Z`f`W`X`|h`U`Z`m`f`%)"`1`

%)" 7c a di hf'GVMbW= bfcXi W|cb/ 'Cj Yfj |Yk flE: zG

=`b`f`c`X`i`W`|c`b`Y`l`d`c`g`|b`'`a`U`c`f`g`#`a`|b`c`f`g`f`c`'h`Y`V`Y`U`X`h`U`b`X`|b`h`f`f`Y`U`|c`b`g`|d`g`c`Z`W`i`f`g`Y`g`|b`'h`Y`U`Y`X`U`b`X`Y`a`d`c`k`Y`f`g`c`h`Y`f`g`Z`f`U`W`b`|h`i`c`i`g`Y`l`d`c`f`U`|c`b`'c`Z`c`X`U`m`g`k`h`W`b`|W`'g`c`V`m`h`5`'U`b`|`i`U`Y`|b`X`Y`d`Y`b`X`Y`b`h`c`j`Y`f`j`Y`k`'c`Z`U`F`X`k`U`Y`U`b`X`g`c`Z`k`U`Y`k`|h`'Y`a`d`U`g`|c`b`d`f`c`V`Y`a`'g`c`j`|b`|`U`b`X`U`|`c`f`|h`a`'X`Y`Y`c`d`a`Y`b`h`'7`U`b`c`h`V`Y`Y`U`f`b`Y`X`Z`f`W`X`|h`U`Z`m`f`%)"`k`|h`c`i`h`X`Y`d`U`f`h`a`Y`b`h`U`U`d`d`f`c`j`U`1`

19|h`Y`f`%)"`cf`%)"`U`d`d`m`i`c`'h`Y`6`"G`"g`d`Y`M`U`W`W`f`Y`Z`V`i`h`b`c`h`V`c`h`"`

%)" 7c a di hf'GVMbW= Dfc| fUa a |b| 'Jb>U UflE: zG

D`Y`f`Y`e`i`|g`h`Y`'7`G`7`%)"`"6`U`g`|W`b`W`d`l`g`c`Z`d`f`c`V`Y`a`'g`c`j`|b`|`z`U`|`c`f`|h`a`'X`Y`g`|`b`U`b`X`U`b`U`n`g`|g`z`U`g`f`U`M`X`U`h`m`d`Y`g`z`U`b`X`d`f`c`|`f`U`a`'g`f`i`W`i`f`Y`g`";`I`=`X`Y`Y`c`d`a`Y`b`h`k`|`"V`Y`|b`f`c`X`i`W`X`U`b`X`h`Y`c`V`Y`M`c`f`|Y`b`h`X`d`f`c`|`f`U`a`a`|b`|`d`U`F`X`|`a`'k`|`"V`Y`Y`a`d`U`g`h`Y`X`"G`i`X`y`b`h`g`k`|`"X`Y`g`|`b`z`|`a`d`Y`a`Y`b`h`z`X`W`i`|`z`h`g`h`U`b`X`X`c`W`a`Y`b`h`d`f`c`|`f`U`a`g`z`f`j`U`|`c`i`g`U`d`|`W`|h`c`b`g`"

&)" 7c a di hf'GVMbW= '5' |cf]h a g/ '8 UUGfi Wl fYgflE:

D`Y`f`Y`e`i`|g`h`Y`g`7`G`7`%)"`Z`A`5`H`&)"`"D`Y`l`c`f`7`c`f`Y`e`i`|g`h`Y`'A`5`H`&)"`5`'g`h`X`m`c`Z`h`Y`W`a`d`Y`l`|m`c`Z`U`|`c`f`|h`a`g`U`b`X`U`g`|`U`b`W`X`U`U`g`f`i`W`i`f`Y`g`|b`W`X`|b`|`'H`Y`g`U`b`X`|`f`U`d`g`"H`c`g`Z`f`U`b`U`m`|b`|`'h`Y`Z`U`M`b`W`i`U`b`X`X`Y`g`|`b`c`Z`U`|`c`f`|h`a`g`z`|b`W`X`|b`|`'f`Y`W`f`f`Y`b`W`Z`X`j`|X`Y`U`b`X`U`W`b`e`i`Y`f`z`X`n`b`U`a`|W`d`f`c`|`f`U`a`a`|b`|`z`U`b`X`|`f`Y`X`m`i`U`|`c`f`|h`a`g`"

&&)" 7c a di hf'FYdUfUbxA UjhbUbwflEG

D`Y`f`Y`e`i`|g`h`Y`'7`G`7`%)"`"5`'U`b`X`g`c`b`U`d`d`f`c`U`W`'c`W`a`d`Y`h`b`W`|b`W`b`U`|`i`f`|b`|`z`|b`g`U`|b`|`z`X`|U`b`c`g`|b`z`f`Y`d`U`f`|b`|`z`i`d`|`f`U`X`|b`|`U`b`X`a`U`j`h`U`|b`|`'a`|M`c`W`a`d`i`h`f`g`U`b`X`U`g`c`V`U`h`X`h`W`b`c`'c`|`Y`g`"H`Y`W`i`f`g`Y`W`j`Y`f`g`V`c`h`W`f`Y`U`F`X`k`U`Y`U`b`X`C`G`h`W`b`c`'c`|`Y`g`"

&)" 7c a di hf'9h |W|fLg

A`U`c`f`g`c`V`U`U`b`X`Y`h`|W`|g`g`Y`g`|b`W`a`d`i`h`b`|`z`|b`W`X`|b`|`'a`d`U`M`c`Z`W`a`d`i`h`f`g`c`b`g`c`V`M`m`i`U`b`X`h`Y`W`a`d`i`h`f`d`f`c`Z`g`g`c`b`U`g`W`X`Y`c`Z`Y`h`|W`|`

&)" : CFHF5B flE5gBYXX

D`Y`f`Y`e`i`|g`h`Y`'7`G`7`%)"`U`b`X`A`5`H`&)"`G`f`i`W`i`f`Y`g`c`Z`:`CFHF5B`'k`|`"V`Y`g`i`X`|Y`X`'g`U`h`a`Y`b`h`z`g`V`d`f`c`|`f`U`a`g`z`g`l`a`d`Y`j`U`|U`V`Y`g`z`U`f`U`n`g`z`U`b`X`U`Y`g`'8`Y`g`|`b`z`W`X`|b`|`z`U`b`X`h`g`|b`|`c`Z`g`M`b`h`U`M`f`c`V`Y`a`g`k`|`"Y`a`d`U`g`h`Y`h`Y`g`Y`

A5H<9A5H<7G<5B8'7CADIH9F<G7<9B79

%&'

8YdUfhaYbh'cZ' A ig]W

7c`Y[Y'cZ'5fhg'UbX'GW]YbWYg

:UWi`hm

>La YgF]WUX>c]bYf'f8S&E'DfcZggcf'cZA i g]WbX'8YdUfha Ybh7\Uf"6"A "ZA]gg]g
gdd]7c`Y]Y/A "7"A "ZGci h k Yghf'6UdhghH Yc`c[]W`Gya]bUfm'A "A "UbX'D\`8"Z
@ci]g]UbUGUHI b]j Yfghm'5XX]hcbU`gh Xr7Ua Vf]X] Y7`cfU Gya]bUf'f9b[`UbXLbX
8Y`Yf'5 WXYa mcZ9Uf`niA i g]Wf'fubW'

9]nUVA 6YXg`Yf%- , E'DfcZggcf'cZA i g]W6"A "ZGm'gcbI b]j Yfghm'A "7"A "ZGci h!
k Yghf'6UdhghH Yc`c[]W`Gya]bUfm'9X'8"ZI b]j Yfghm'Z="]bc]g'

FcbUX6ci Xf%- *E'DfcZggcf'cZA i g]W6"A "UbX'A "A "Z5a Yf]Wb`7cbgYfj UcfmicZ
A i g]W8"A "5"ZGci h Yfb'6UdhghH Yc`c[]W`Gya]bUfm'5XX]hcbU`gh X]Yg'9a cfm
I b]j Yfghm'8YDU `I b]j Yfghm'a `]UX'GWcc`cZA i g]WB cfh k Yghf'I b]j Yfghm'UbX
: fUbn'Gwi Vfh-bg]h h' .AIG7

8U]X8Ybb]g]f%- (E'DfcZggcf'cZA i g]W6"5"ZK Yghf'7Uf`c]bUI b]j Yfghm'A "7"A "
UbX'8"An'5ZGci h Yfb'6UdhghH Yc`c[]W`Gya]bUfm'

8]UbbY; Uk ccXf%- , -E'5gg]WUfDfcZggcf'cZA i g]W6"A "Z6fYg]WU7c`Y]Y/A "A "ZUbX'
A "A "9X'Z; Ycf] YDUcXm7c`Y]Y'5XX]hcbU`gh Xr7Ua b]j Yfghm'Z'fbbYggYUa Ufhb'
UbX'K Yga]bg]f'7`c]f'7c`Y]Y'

7"8U]XA W'i bYf%- , %E'DfcZggcf'cZA i g]W6"A "ZK Yga]bg]f'7c`Y]Y/A "A "Z6ck `!

: fYg a Yb Uxa JhXlc h YXydlfa Ybia UmXWUfYUbnicZha Ya Ucfgy WdhidYzcf!
a UbW'Gi XYbglk \c k Jg' lc di fg Yh YdYzfa UbWdfcf lUa k]` dYJhcb h YUdd]YX
ZM'hmUhh YVcUFX Y Ua]bUjcb Uhh YWbW gcb'cZha YgYwXgYa Ygm'cZgi Xnh Y
Udd]YXZM'hm k]` UggYgh Ygi XYbhg UW]Y Ya YbhUbX'dchbhU UbXk]` Uxa Jhh Y
gi XYbhlc h YdYzfa UbWa Ucf'cf fYwa a YbXh Uhh Ygi XYbhWccgyUbch Yf'a Ucf'
k]h]b h YXydlfa Ybh'

HUbgYf'gh XYbglk]h , 'cf'a cfY'ci fg]b df]bVdU Udd]YX'gi X]Ygk]` fY]gh'Zcf'
A I G& S'Xi f]b]` h Yf'Uf'gh Ya Ygm'Uhi b]cb"5 h h YbX'cZha YgYa Ygm'Zha Ygi XYbh
k]` dYzfa U'gcd'ca cfY'VcUFX Y Ua]bUjcb'lc XYmfa]bYUdd]Wjcb'cZha Jg'Wi fg'
UbXZ hi fYUdd]YX'gi X]Yg'

; YbYfU' Fy [i'Uh]cbg' : cf'Gh i XYbhg' =b' H\Y' 8YdUfha Ybh' C'Z' A i g]W

-b UXX]hcb'lc h YfY [i' Uh]cbg']bW YX']b'h]g' Cataloguza i gW'a UcfgyUbX'a]bcfg'
UYfYgcbgVYz'f'z'`ck]b]` h YdfcWxi fyg'dc]Wjcb'UbX' [i]XY]bYg'dfcj]YX']b'h Y
Department of Music Handbook' FYU UhhXUbWfYei]fYa YbhzUdd]YX' Ygg'cb UhhXUbW
dc]Wjz'VcUFX Y Ua]bUjcb'UbX'fYU dYz'fa UbWfYei]fYa YbhzUbX'ch Yf'ja dcf]Ubi
a Uhf]U UY']bW YX']b'h Y Handbook'

9bgYa VYfYei]fYa Ybgl'UYUgX'cb XY] fYz' Yj YzUbX'df]bVdU Udd]YX'fYU'

- i' A i gW'Xi W]hcb#7\cfU'9a d\Ujg'fYei]fYg'+gYa Ygm'fgcZWcfU' YbgYa VYg'
- i' A i gW'Xi W]hcb#-bgfi a YbHU'9a d\Ujg'fYei]fYg'+gYa Ygm'fgcZ]bgfi a YbHU'
YbgYa VYg'Y W X]b] 'A I G% % (, %UbX'%) ! (*)"
- i' 7\i fWA i gW'Yei]fYg'U'YUg' gYa Ygm'fgcZWcfU' YbgYa VYg'k c'ch Yf'gYa Yg'
hfga UhhYz' U' YXVmUbnch Yf' YbgYa VYg'Zcf'k \]W'h Ygi XYbh]gei U]UYX'
? Ym'vUFXdf]bVdUgcb' m'fYfYei]fYX'lc]bW XY&gYa Ygm'fgcZA I G% % (, %ck UFX
h Yf' YbgYa VYfYei]fYa Ybh'
- i' Dfz'fa UbW#9a d\Ujg']b'Jc]WfYei]fYg', gYa Ygm'fgcZWcfU' YbgYa VYg'
- i' Dfz'fa UbW#9a d\Ujg']b'D]bc'fYei]fYg' gYa Ygm'fgcZUbm'YbgYa VYUbX' .
gYa Ygm'fgcZA I G& S"
- i' Dfz'fa UbW#9a d\Ujg']b'Cf]Ub'fYei]fYg'* gYa Ygm'fgcZUbm'YbgYa VYUbX' &
gYa Ygm'fgcZA I G& S"
- i' H Ycfm'Yei]fYg', gYa Ygm'fgcZUbm'YbgYa VYz'cf'k \]W'h Ygi XYbh]gei U]UYX'
? Ym'vUFXdf]bVdUgcb' m'fYfYei]fYX'lc Wa d'Yh' (gYa Ygm'fgcZA I G% % (, %
cf' A I G& S"
- i' 6"5 "A i gW'a UcfgyUbX'6" A i gW'a Ucfgk]h Ub'Ya d\Ujg'cb'9'Ym] YGi X]Yg'
ci]g]XY'h YA i gW'8 Ydlfa Yf]UfYfYei]fYX'lc Wa d'Yh'* gYa Ygm'fgcZWcfU'
YbgYa VYg']z' c]Wdf]bVdUg'c' gYa Ygm'fgcZ]bgfi a YbHU' YbgYa VYg']z]bgfi !
a Ybhdf]bVdUg'? Ym'vUFXdf]bVdUg'UfYfYei]fYX'lc Wa d'Yh' & gYa Ygm'fgcZ
d]Ubc' YbgYa VYg' & gYa Ygm'fgcZA I G& S'UbX' & gYa Ygm'fgcZUbm'YbgYa VY'
- i' A i gW'a]bcfgUYfYei]fYX'lc Wa d'Yh' (gYa Ygm'fgcZWcfU' YbgYa VYg']z' c]W
df]bVdUg'cf' (gYa Ygm'fgcZ]bgfi a YbHU' YbgYa VYg']z]bgfi a YbHU' df]bVdUg'
? Ym'vUFXdf]bVdUg'UfYfYei]fYX'lc Wa d'Yh' % gYa Ygm'f'cZd]Ubc' YbgYa VYz'%
gYa Ygm'f'cZA I G& S'UbX' & g' mesters of any ensemble.

7 iff]Wi'ia

H Y8 Ydlfa YbhlcZf'g'a Ucfg' YU']b]` lc h Y6UWY'cf'cZA i gWXY] fY'cb] c]b]]b'
7\i fWA i gW'a i gW'Xi W]hcbzDfz'f'z']bWzUbX'h Ycfm'9'Ym] YGi X]Yg']b'h YA i gW'
a Ucfk]h Ya d\Ujg']b'7]f]g]Ub'Gi X]Y'ZA UbU' Ya Ybz'a U']h]b] zUbX'7'ca a i b]W]hcb'
5 f]g' h Yg'Ym]cb'cZUb' Udd]YX'df]bVdU' UfYU'cZgi Xn]lg'Ugc' fYei]fYX'k]h]b' YUW'
Ya d\Ujg']fYU'6" A " gi XYbhg'UfYfYei]fYX'lc Wa d'Yh' h Y; YbYfU'7'cfY'7i ff]W'i a z'
h Y6" A "7'cfY'f' VY'ck UebX'h Yg'YU'X'fYei]fYa Ybgl'cZha Yf' a a

WIKI

A I G=7

%&+

A UFYU

· =" 6UWYcf'cZA i gV8Y[fYYF Yei]fYX7cfYÍ) &\ci fg
5 " A I G%\$ Z%\$(Z%00Z%0&Z&S Z&S(Z&0Z&0&Z&S

' A I G=7

%& ,

V" DfcZggjcbU'9Xi WH'cb. '98I % SZ' & /DGM&% z' % /G9'&& z98I '(')"
W 7ca d`Yhcb'cZUdd`jWV`Ydfh'cbgcZ`h`YDFU`jg`=
X" : cf`UX|h'cbU`j`bZ`fa`U`hcb`z`g`Y`h`Y`8`j`f`W`f`c`Z`H`U`W`f`'9Xi`WH'cb"

'=J" A Ucf`j`b`DfZ`fa`UbW

5"" 9a d\UjgZ`f`Jc`j`W`D`f`j`b`V`d`U`g`j` & \`ci`fg`UbX) & \`ci`f`W`f`Y`f`f`
%` 5XX|h'cbU`9bgYa`V`Y`9l`d`f`j`b`W`l`&`g`Ya`Y`g`h`f`g`
&` 5XX|h'cbU`5dd`j`Y`Z`&`S`!`) S`l` (\`ci`fg`z`5XX|h'cbU`5dd`j`Y`Z`) S`l` * \`ci`fg`z`
UbX`A`I`G`(-`-`z`F`Y`W`f`U`
' "" A`I`G`%`&`z`&S`*`z`(%`z`(%`&&
("" A`I`G`(-` ,`z`G`Ya` j`b`f` .`D`f`Z`fa` Ub`W`A` U`c`f`g`
) "" :`c`f`j`|`b`@`U`b`[`i`U`j`z`&S``Y`Y`z` :`f`b`W`c`f` ;` Y`fa` U`b`i` ' \`ci`fg`
* "" A`I`G`' &S`l`&S`!` (\`ci`fg`

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6"" 9a d\UjgZ`f`D`j`U`b`c`D`f`j`b`V`d`U`g`j` & \`ci`fg`UbX) & \`ci`f`W`f`Y`f`f`
%` 5XX|h'cbU`5dd`j`Y`Z`&`S`!`) S`l` (\`ci`fg`z`
' 5XX|h'cbU`5dd`j`Y`Z`) S`l` * \`ci`fg`z`UbX`A`I`G`(-`-`z`F`Y`W`f`U`
&` A`I`G`' &`z`(%`z`(%`&`
' "" D`j`U`b`c`9`bg`Ya` V`Y`g`z`A`I`G`%`%` (,`%`l` (\`ci`fg`
("" A`I`G`(-` ,`z`G`Ya` j`b`f` .`D`f`Z`fa` Ub`W`A` U`c`f`g`
) "" I`d`d`Y`f``Y`Y`U`W`X`Ya` j`W`A`I`G`9`Y`W`j`Y`g`j` * \`ci`fg`
* "" &5XX|h'cbU`9bgYa`V`Y`g`j` & \`ci`fg`

7"" 9a d\UjgZ`f`C`f`|`U`b`D`f`j`b`V`d`U`g`j` & \`ci`fg`UbX) & \`ci`f`W`f`Y`f`f`
%` 5XX|h'cbU`5dd`j`Y`Z`&`S`!`) S`l` (\`ci`fg`z`
' 5XX|h'cbU`5dd`j`Y`Z`) S`l` * \`ci`fg`z`UbX`A`I`G`(-`-`z`F`Y`W`f`U`
&` A`I`G`&`%`z`&`z`(%`z`(%`&`
' "" D`j`U`b`c`9`bg`Ya` V`Y`g`z`A`I`G`%`%` (,`%`l` & \`ci`fg`
("" A`I`G`(-` ,`z`G`Ya` j`b`f` .`D`f`Z`fa` Ub`W`A` U`c`f`g`
) "" I`d`d`Y`f`@`j`Y`U`W`X`Ya` j`W`A`I`G`9`Y`W`j`Y`g`j` * \`ci`fg`

%&-

\$ G G L W L * "" &5XX|h'cbU`9bgYa`V`Y`g`j` & \`ci`fg`

' J" A Ucf`j`b`H`Y`cfm

5"" 9a d\UjgZ`f`Jc`j`W`D`f`j`b`V`d`U`g`j` & \`ci`fg`UbX) & \`ci`f`W`f`Y`f`f`

\$ G G L W L * R Q X P G C L S S H O R Y K I O B O V G S G S I M H N G z (S I W X I C H Y W H U W H P H V W H U V
&` G`G`Y`j`e`H`W`I`L`Q`V`X`W`j`H` (0`-`8`Z`Y`W`f`U`z`B`A`W`g`U`W`c`f`O` L`Q`O`X`V`L`F` \`Op` \$`G`C`
' "" 5XX|h'cbU`9bgYa`V`Y` A (" ' "" 5XX|h

*" 5XX|hcbU'I ddYf'@y Y' < |gcfm#@|HfUhi fM' * \ci fg
 + " A I G(- SžGyb)cf'Dfc'YMi (\ci fg
 , " : cfY|] b'@Ub[i U Yž&S'Yj Yž: fYbW'cf; Yfa Ubì' \ci fg
 8" 9a d\UjgZcf'bgfi a YbHU Df]bVdUg' & \ci fgUbX) & \ci f'WfYfH'
 %" 5XX|hcbU'5dd'YX'Gh XjYg' & gYa YgHfz'() SÌ (\ci fg
 & G Vg]hi hYA I G' -- k]h' (--]b'A i gW'cfY
 ' " 5XX|hcbU'9bgYa VY9l dYf]YbVdUg' & gYa YgHfz'
 (" GYWM-bgf a YbHU'A Yh'cXg' & \ci fgZca '& +z&, ž&(%ž& (&' %
)" 5XX|hcbU'I ddYf'@y Y' H'Ycfmì * \ci fg
 *" 5XX|hcbU'I ddYf'@y Y' < |gcfm#@|HfUhi fM' * \ci fg
 + " A I G(- SžGyb)cf'Dfc'YMi (\ci fg
 , " : cfY|] b'@Ub[i U Yž&S'Yj Yž: fYbW'cf; Yfa Ubì' \ci fg
 'J=" A Ucf]b'A i gVk]h' Gh XjYg]b'cbYcZh YZ' c'k]b[fUfYgZ'Y'WcbY]b'UXX|hcb'
 lc) & \ci f'WfYfH'
 5" 9a d\Ujg]b'7\flg]Ub'Gh XjYg]' & \ci fg
 %" GYWM, 'A I G'9'Ym] Y\ci fgZca . 'A I G'žž&ž' %žž' & ž' - Sž(&ž(' S'
 & 7\flg]Ub'Gh XjYg]F'Yei]fYX'7ci fgYg' & \ci fg
 U' 7< F'%'ž' S)ž' ' ' ž' , /&' 'cf & (/D< @& S
 V" GYWM]l '7< F'9'Ym] Y\ci fg
 6" 9a d\Ujg]b'A UbU Ya YbH' & \ci fg
 %" GYWM, 'A I G'9'Ym] Y\ci fgk]h' Ux] |gcf'Uddfcj U
 & 'A UbU Ya YbhF'Yei]fYX'7ci fgYg' A ; H%'ž' %ž' (%ž' (,
 ' " GYWM* A ; HI ddYf'@y Y'9'Ym] Y\ci fg
 7" 9a d\Ujg]b'A Uf_Y]b[Í & \ci fg
 %" GYWM, 'A I G'9'Ym] Y\ci fgk]h' Ux] |gcf'Uddfcj U
 & 'A ? H' & ž(&ž((S/A 5H%'
 ' " GYWM* A ? HI ddYf'@y Y'9'Ym] Y\ci fg
 8" 9'Ym] Y'Gh XjYg]b'7ca a i b]W]hcb'5flg' & \ci fg'
 %" GYWM, 'A I G'9'Ym] Y\ci fgk]h' Ux] |gcf'Uddfcj U
 & 'F'Yei]fYa YblgZca '7ca a i b]W]hcb'5flg' % \ci fg
 U' GYWMUbmì \ci fgZca '7CA 'Wì fgYg'
 V" GYWM- I ddYf'@y Y'7CA \ci fg'

'A IG=7

% '\$

H Y8 YdUfa YbhcZA i gWcZZf'gcbYa Ucf'YUX]b[lc h Y6UWYcf'cZ5 flgXY] fYY"=b'
 UXX|hcb'lc ; YbYU'7cfY7i ff]W'i a 'UbX'h Y6UWYcf'cZ5 flgGdYUW'cfYžgh X'Yblg'
 XYgf]b[Ua Ucf]b' cb]W]a 6 A 1A gF Y"

YW

- =J" FYYU'5HhXbWZ(gYa YghzAI G'SSS
- J" GYWM' \ci fgZca 'AI G8 S'cf'ch YfîH YcfY}Wî Wi fgÿg
- J=" 5j U'UVYh'a Ucf'gci hgXYAI G8 YdUfla Ybh

H\Y8 YdUfla Ybh cZfgh Y6UWYcf'cZA i gVâ Ucf'di fg]b[Ubm

cY8 cZfg

. AIG:7

%*%

%%\$" =blfcXi Wcb l' A i gVfA YcfmflE:

: cf'hYgi XYbhk]h`'ja]hX'cf'bc`VUW[fci bX]b'h Ycfm'5`gi XmcZbcH]cbzd]Wz
f\nh a ž]bhfj UgžgWYgža cXygUbXf]UXg"Ei]W'cfU`fWU`cZa Uhf]U`lg'W'hj Uhx'
UbXfY]bzfWXVmi gYcZWa di hf`Ugg]hXUdd]W]cbg'ci hgXYWgg'

%%%` A i gVfA Ycfm=flE: žG

'A IG=7

%' &

⌘⌘" A i gVh Ycfm:J flE: zG

DfYfYeI |ghY AI G⌘⌘

7ca dfY Ybgj Ygi XmcZUj UbWXWfca UjWUfa cbm|b|tcBU'a i gVcZh Y7ca a cb' DfUM|WDYf|cX" H Y| fUXi U X|gg: i |hcb'cZh YtebU |gmh'a UbXUb |blfcXi W|cb|tc VUj|W &S h' Wbh fmW'a dcl|hcbU' dfUM|Wgk]'' VY|bW XYXk |h' h' Ya UghfmcZY Ya YbLfmi UbUm|W g.]'' g'YZWij YUbXUfh'W' UY'W'a a i b|W|hcb'cZh YcfYh'W |XYUgZUbXZefa U' UbUm|W X|gWj Yfni

⌘" GYf |WdUhb| =fE:

5 Wi fgYXYg| bYX|c Ugg|hcf| Ub|gg|b|h Yvi]'X|b| 'cZUk cfg|d gYf |W^na bZUbh Ya z UbXgc'c UW'a dUhb| /UbX'a cXi 'U|cb"

A I G 7

⌘" A i gV5 ddfVWU|cb flE:

A i gVW' hfYXg'h fci [\ci h|h Yk cf'X'UbX'h YU Yg' -bW XYX' Wbh'a dcfUfia i gVW ZfU' hmlYgUgk Y' Ughf#WUgg|W' a i gVUbX'a i gVcZch Yf'W'h fyg': cf' bcb|a i gVW a Ucf|cbm

⌘" GYf |WdUhb| =fEG

DfYfYeI |ghY AI G⌘

5 Xj UbWX' gYf |Wd' Uhb| 'g.]'' g|bW X|b| 'cfU|c|c' UW'a dU|a YbhUbX'U| i fYX'VUgg' d'Uhb| "

⌘" G fj YncZA i gV@|hUf fYfEG

DfYfYeI |ghY AI G⌘⌘

-blfcXi W|cb|tc h'Y' |gcf|W' gmYgcZa i gVh'fci [\ ' |gh|b| UbXgWfYfYU|b| tc Vi]' X Uk cf_ |b| _ bck 'YX| YcZUWUg|W'a i gVYdYf|cfm|h'fci [\ ' |gh|b| UbXgWfYfYi Xn5 h |hbXUbW'UhUbXfj |Yk 'cZa i gVdYfZefa UbWgk]'' VYfYeI |fYX"

% ' ' "

⌘" : ci bXU|cbg|b 7' i fW'a i gVMEG' 9j Yb Mufg

6|V|WZh Yc'c| |W' UbXd\]' cgd\ |W' Zi bXU|cbgZefa i gV'a |b|gfnz|bW X|b| 'gi X|Yg' |b\ |gcf|W' UbXWbh'a dcfUmi7\ |g|Ub'k cfg\ |d'UbXdfUM|W' UgdYWg' h'a Ya UbU Y! a Ybzg|UZYfYU|cbgVi X| Y|b| UbXfU|b|b| 'cZj' c i bhYf' YUXYfg|b h'YWi fWdfc| fUa " FYeI |fygUYX'cVgYfj U|cb|f S\ci fg|b U'cW' Wi fW'a i gVdfc| fUa "

&+" Gf|b| 'A Yh cXgffEG' CXXMufg

5 WUgg'cZdf|b| |bgfi a Yblg|g'WbXi WMX'UgUb |blfcXi W|cb|tc h'YhUW|b| 'cZdf|b| YX |bgfi a Yblg'

&," KccXk |bXA Yh cXgffE: Í CXXMufg

5 WUgg|b h'YZ bXLa YbHU WbWdlgcZhUW|b| UbXd'Uhb| h'YWUf|bYhUbXgU cd\cbY' 9a d\Ug|g|cb h'Ya Yh cXgZf' hUW|b| 'VY |bb|b| 'gWcc' UbXdfc| fUa g'

&% 6fUggA Yh cXgffE: Í 9j Yb Mufg

5 WUgg|b' ck' VfUgg|bgfi a Yblg|g'WbXi WMX'UgUb |blfcXi W|cb|tc h'YhUW|b| 'UbX d'Uhb| h'Wb|ei Ygi gX|b WUgg'hUW|b| "

&& DfWgg|cb'A Yh cXgffEG' 9j Yb Mufg

5 WUgg|b' dYfWgg|cb|bgfi a Yblg|g'WbXi WMX'UgUb |blfcXi W|cb|tc h'YhUW|b| 'cZh Y |bgfi a Yblg|b h'gZLa]'m

' S% 7ca di hf'A i gVGYei YbVb| fEK

5 b|blfcXi W|cb|tc a i gVGYei YbVb| i g|b| 'Wa di hf' gYei YbVb| 'dfc| fUa gUbX'a -8= Wblfc' YX'gnh YglnYf'g'

' S& HWbc'c| mZcf'A i gVUbgfLEG

H'fci [\ |gi XnUbX'UvcfUcfmY dY|YbWzgi XyblgVW'a YZLa]' |Uf k |h' h'YWdUW| |h'Yg' cZhWbc'c| mUgh YnfYUht' Wa dcl|gh|cbzdYfZefa UbWzUbUng|zhUW|b| UbXfYgUfW"

Fy Jk cZMgWcZwa di hf i gY.k cfXdfcWggbl zXUUMgYgZdfYUXg YhZdfYgYbHjcb
gZk UYZYg hcd di Vlg|b| zLbX-bhfbyhUWggUgk Y`Uga i gVYei YbVb| zbcHjcbz
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Vi hk`j`Z`Wgcb`|Uj|b| `|bWUg|b| `dfcUWbW|b`WbXi Wjbl `g.`|`gh`UfYbWggfmi
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hWb|jei Yg`Vi hk`j`Z`Wgcb`|Uj|b| `|bWUg|b| `dfcUWbW|b`WbXi Wjbl `g.`|`gh`UfY`
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a i gW`|XYUg|b`Vch`cfU`UbX`k`f|H`b`Wb`h`l`gk`j`h`Y`df|a`U`mi`cU`cZ`h`|g`Wi`fgY`'

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d`f`W`g`|c`b`X`f`z`U`Z`h`a`Y`d`U`Y`b`f`n`a`UbX`gi`XnicZ`H`Y`fci`h`b`Y`g`UbX'a i gW`X`c`W`H`X`Vmi

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fy`U`h`X`g`Y`b`W`g`z`U`b`X`U`wi`U`j`b`l`g`h`i`Xyblg`k`j`h`d`f`c`Z`g`g`c`b`U`c`d`d`c`f`h`i`b`j`h`Y`g`k`j`h`j`b`h`Y`
Xjg`Vd`j`b`Y`H`Y`c`f`j`U`b`j`n`U`h`c`b`d`f`c`a`c`h`g`d`f`c`Z`g`g`c`b`U`j`g`a`U`b`X`d`f`j`Y`j`b`h`Y`d`ngjW`g`W`
Y`b`W`g`z`U`b`X`U`g`g`g`g`h`i`Xyblg`j`b`g`i`X`n`j`b`z`d`f`d`U`f`j`b`z`U`b`d`f`Y`g`b`j`b`j`h`W`b`j`W`a`U`h`f`j`U`"
A`Ya`V`f`g`j`d`j`g`c`d`Y`b`l`c`U`b`n`g`h`i`Xybl`j`b`h`f`Y`g`h`X`j`b`D`ngjW`"

Gh i XYbh`5 kUfXg

H`Y`D`ngjW`F`Y`g`U`F`W`5`k`U`X`j`g`j`j`Y`b`V`m`h`Y`Z`W`h`m`ic`Z`h`Y`8`Y`d`U`f`h`a`Y`b`h`c`Z`D`ngjW`l`c`
h`Y`g`h`i`Xybhk`c`d`f`Y`g`b`l`g`h`Y`V`g`h`Y`g`U`F`W`d`U`d`f`c`Z`h`Y`n`U`f`H`Y`f`Y`g`U`F`W`a`i`g`h`U`j`Y`
V`Y`b`U`b`c`f`j`j`b`U`k`c`f`_`U`b`X`a`i`g`h`V`d`f`Y`g`b`h`X`U`h`U`g`U`h`z`f`j`j`c`b`U`z`c`f`b`U`j`c`b`U`d`f`c`Z`g`g`c`b`U`
a`Y`h`j`b`j`d`f`c`f`l`c`h`Y`j`f`U`X`i`U`j`c`b`"

H`Y`:`f`Y`g`a`U`b`D`ngjW`5`k`U`X`j`g`j`j`Y`b`l`c`h`Y`Z`Y`g`a`U`b`g`h`i`Xybh`Wa`d`Y`h`j`b`j`D`<`M`
&`%`&`&`k`c`c`U`g`g`c`k`b`c`i`g`h`U`b`X`j`b`j`g`W`c`U`g`h`W`U`W`j`j`Y`a`Y`b`z`7`f`l`g`h`U`b`g`f`j`j`W`z`U`b`X`
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7 c i fgY`CZYf]b[g]b`D`mg]Wg`fID<Ml

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d`j`c`g`d`j`W`z`U`b`X`g`c`V`U`j`g`l`b`j`U`b`W`9l`Y`V`g`Y`f`Y`b`X`j`W`h`j`Y`c`Z`j`U`f`c`i`g`g`V`b`h`U`V`a`Y`h`!
c`X`g`?`b`c`k`Y`X`j`Y`c`Z`U`j`W`j`Y`f`U`j`g`U`g`j`a`Y`X`G`V`b`W`W`X`j`h`k`j`b`c`h`V`Y`j`j`Y`b`U`Z`h`f`W`a`!
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- @cW]h]bYk`cddcfli b]h]YgZcf[]fck h
- -b]h] fUYZU]h`UbX`YUfb]b[]b`Yj YfmWU]g]fcca
- 9g]LV]g`a`i`h`i`U`m`VybYU]U`fYU]h]cbg`]dgk]h`h`YVi g]bYgg'Wa`a`i`b]h]m

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8%ž' &(ž' &ž' ' &ž'))ž'), ž' *S"5b'UXX]hcbU" '\ci fg'a UnvYUdd`jYX`Zca`

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- =J" A]bcf]b'A UbU Ya Yblí % \ci fg
5" A; H' %z' (%z' (, /A 5H%
6" I ddYf@y Y'A; H9'YWj Yg
- J" A]bcf]b'A UbU Ya YblZcfBcb!6i g]bYggDfcZYg]cbUgí &^ci fg
5" 577'&%%UbX97: '%%
6" A; H' %z' (, /A ?H' & /97: '(%)
7" I ddYf! Y Y'6i g]bYggY'Wj Y' ' \ci fg
- J =" A]bcf]b'A Uf_Y]b[Í % \ci fg

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7 c i fgY' CZYf]b[g]b'5WWc i bh]b['fl577L

flE< ci fg7fYX]h': !: U`/K !K]bhf/GGdf]b[/G !G a a Yf

%%' Df]bVd`YgcZ5Wwi bh]b['=fl E:

5b]bfcXi WcfmWi fgY]bW X]b[gi XmcZdfcZgg]cbU UWwi bh]b[žgc`Ydfcdf]Ycfg\]dgž
UbXdUfhYfg\]dg'

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DfYfYei]ghY 577'(% "

5b'Uxj UbWX'Wi fgy]b'U X]hb[zUdd`n]b['WbWdlg'UbX'hWb]ei Yg'a UghfYX]b'577'

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lgte UW]y Y`cb[!hfa Wd]H[fck h Vm]bj Yg]b['b'a Uf_YUVYI "G"wa a cb'gtWg"
7ci fgYa UnVYfydYUHXZf Ua U ja i a 'cZ* \ci fgWXX]H

(%%" =bHfa YX]UYA UWCYwba]Vg]LEG
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' (S" GdcfhA Uf_Yhb[fLEG

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6Ug|Vā Uf_Yhb| WbWdlg|b|h Ygdcflg|bXi gfmñ: i bXLā YbU hWVb|ei YgcZUj Yfh|gb| ž
gUYgždfca ch|cbžZ bXlfU|gb| žUbX'ei fbU|ga k]" VYV d'cfYX|b fYU|cb |c' gdcflg"

' (% " Gdcfh=bZcfa U|cb'A UbU Ya YbhfLEG

DfYfYei |ghY '7CA %S'UbXA ? H' & "FYWdfcW WYX|hD9K G" (% "
GYD9K G" (%Zcf Wi fgYXyG|d|h|cb"

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DfYfYei |ghY 'A ? H' & "
H Yfc YcZh Y gUYg' dfcZgg|cbU`k |h|b`h.Ya Uf_Yhb| `dfcWgg"9a d\U|g|cb`Xy Y!
cda YbhcZgY`|b| `fYg|cbg|V|]hYgž|ha YUbX|hff|]cfmia UbU Ya YblzUbX|]b|hf dYf|gbU`
W|a a i b|W|cb`g_|`g'h fci [\ `fc`Yid`Ung"=bW XYg'UbUng|g'cZh YdgnWc`c| |W`VU|g|
cZgY`|b|]b Vch Wbg a Yf`UbX|]bXi g|f|U`a Uf_Yhg"

') % FYU`A Uf_Yhb[fLE:

DfYfYei |ghY 'A ? H' & "
9l Uā]bU|cb`cZh Y a Uf_Yhb| `a |l`k |h|b`h YfYU`Ybj]fcba Yb|`5bUng|g'cZfYU`
gfU|] m|]b'a YfWUbX|gb| žW|g|ca Yf`fYU|cbgž`UbX|]bj Yb|cfm|Wb|fc""9j Ui U|cb`cZ
fYU`|ghY`cW|cbg|UbX|g|cfY`Uñi |g"

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DfYfYei |ghY 'A ? H' & "FYWdfcW WYX|h7CA (% "
H Y YWbca]WUbX'g'WU`fc`YgcZUj Yfh|gb|]b`Wb|hā dcfUfm| g|bYgg"9a d\U|g|cb`
WU|cbž|a d`Ya Yb|U|cbzUbXy`Ui U|cb`cZWā dU|] bg'h fci [\ `h YUbUng|g'cZWYU|h| Y
dfcWggYgža YX|UfYgci fWgžV X| Y|b| žUbX'g'WU`fYg|cbg|V|]hñ

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%)'

9" I ddY'@y Y'Gi glbYgg'9'Wmj Yg' *'\ci fg
' J=" A]bcf'fYei]fYa Yblg' bcbY

5ggYgg a Ybh' cZ' AU^cfg

DfcUjYbWj]bUWwi bh]b] žYwbcā]WžÚbUbWza UbU Ya Yblža Uf_Y]b] žei Ub]H]j Y
WbWdlgžUbX'h Yf]bh] fU]cb'k]`VYUggYggX'h fci [\ `h Y9HGA Ucf:]YX'hg'9UW'
gi Xybhidi fg]b] U6G65 XY] fYYk]`VYfYei]fYX'lc' H]_Y'h]g'h]g]b'A; H(())"

8 Ya cbg]fUH'X'U']]m]lc' UggYgg'UbX'UbUm]YX'U'U'UbX'c'h Y' dYf]bYbh]bZ'fa U]cb'lc'
]Xybh]Zm]UbX'fYg' j Ya UbU Yf]U'dfcV'Ya gk]`VYj Ui U'hXV]g'X'cb]gi Xybh]fg' Wgg'
Z `Wa d`Y]cb'cZ'h YWd]g'cbY'Wi fgYZA; H(())"

7ci fgY' CZYf]b]g

7ci fgY' CZYf]b]gZ'f'h YDD5 dUfU`Y'h cgy]b'h YfUX]h]cbU'dfc] fUā gcZ'h YA WžZY'
GWcc`cZ6i glbYgg'Ug'X'Y]U`YX'U'ej Y'

67<CC@'C':6IGB9GG

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5Xi`h`GhiX]Yg

6UW\Y`cf`cZ`GW]YbWY`]b`Cf [Ub]nUh]cbU``@YUXYfg\]d

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6UFVUDMffmf%--E"8]fYMcfcZHYLAUNCH'Dfc[fUa z7\Uf`cZHY8YdUfa YbhcZ
7cb]bi]b[`Gi X]YgUbX5ggVUHYDfcZggf"6"5"zi b]j Yfg]hmcZA]W][Ubz5bb'5fVcfz/
A "6"5"zFcVfHA cff]g7c`Y[Y/9X"8""7UbX]XUHzI b]j Yfg]hmcZA Ya d\]g"

H\YA WZYGWcc`cZ6i g]bYgg5Xa]b]gfU]cb`cZfghY@YUXYfg\]d Zcf5Xi`hi b!
XYf]fUXi UY7c\cf]zLAUNCHZY]fYYWa d`Y]cb]dfc]fUa "H\YDfc]fUa]gU]U`UY
k]h`Y]h`YfU; YbYfU9a d\U]ggcfUb5`]YX< YUh 9a d\U]g]b]hY6UWYcf`cZGM]bW
]b`Cf [Ub]nUh]cbU``@YUXYfg\]d`XY]fYY`H`Y`Wa d`Y`Y`XYGM]d]cb`cZHYdfc]fUa `UbX`
Wb]hU]bZfa U]cbz]bUXX]h]cb]c]lg]Ua]gg]cbUbXUW]Ya]WYei]fYa Ybh]UY`cW]hX`
]b`h`Y`7cb]bi]b[`Gi X]Yg8YdUfa Yb]i`g]W]cb`cZHYCataloge'

'G7<CC@C:6IG#B9GG

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7c`Y[Y'cZ'9XiWUh]cb'UbX'<i a Ub'Gh i X]Yg

7C@9;9.C:98175HCB5B8.<1A5B'GHI8:9G

:UWi`hm

H\ca UgF"FcgWfci [\`f%-*L"8 YUb'cZ\hY7c`Y] YcZ9Xi W]cb'UbX'<i a Ub'Gh i X]Yg
UbXDfcZggf'cZ9Xi W]cb"6"5 "zA "5 "zUbXD"8 "zC\|c'GHYI b]j Yfglm

5bb'G]b['Ycb f%,)E'5 ggcVUy8 YUb'cZ9Xi W]cb'UbX'5 ggcVUy'DfcZggf'cZGdYMU'
9Xi W]cb"6"GZI b]cbI b]j Yfglm'A "9X"UbX'9X'8 "zi b]j YfglmcZA Ya d\|g'

8ch]YA n]hf% - (E'5 ggcVUy8 YUb'ZfHMUyf'9Xi W]cb'UbX'5 W]X]H]cb'UbX'5 ggcVU'
Uy'DfcZggf'cZ9Xi W]cb"6"Gz@Ua Vi h I b]j Yfglm'A "9X"zi b]cbI b]j Yfglm'9X'8 "z
I b]j YfglmcZA Ya d\|g'

H Y7c`Y] YcZ9Xi W]cb'UbX'<i a Ub'Gh i X]Yg\ci gYgUfYU]j YmX]j YfgY[fci d]b[cZ
UWXYa]W]gM]bYg]bW X]b['h YGWcc`cZ9Xi W]cb'UbX'h Y8 YdUfa Yblg'cZGcVU'
K cf_zGcV]c[miUbX': Ua]'miGh i X]YgZDgnWc`c[nãD\ng]W' 9Xi W]cb!K Y`bYgg]Gdcffi

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GW\cc`cZ'9XiWU]cb

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: UW i`hm

5bbG]b|`Ycbf%,-)E'5ggVUHY8Yub'cZ9XiW]cbUbX'5ggVUHYDfcZggfc'cZGdYU'9XiW]cb"6"GZi b]cbI b]j Yfglm'A "9X"UbX9X'8"zi b]j YfglmicZA Ya d\lg'

8ch]YA nUhf%- (E' '5gg]Uhb8Yub'Zcf'HMUYf'9XiW]cb'UbX'5WYX]H]cb'UbX'5ggVUHYDfcZggfc'cZ9XiW]cb"6"Gz@La Vi h I b]j Yfglm'A "9X"zi b]cbI b]j Yfglm'9X'8"zi b]j YfglmicZA Ya d\lg'

A]WYYK "5h]bgf%- , E'5ggVUHYDfcZggfc'cZ9XiW]cb'UbX'8]fWmf'cZ]hY9X'G'UbX9X'8"fd!&Z-UW]gb"6"GZi b]cbI b]j Yfglm'A "9X"UbXD\8"zi b]j YfglmicZA Ya ! d\lg'

A Y]bXU7'Uf_YfR\$S\$E'5gg]UhbDfcZggfc'cZ9XiW]cbUbX'8]fWmf'cZ]hY7Ybhf'Zcf'9XiW]cbU'DfU]W'6"5'z@La Vi h I b]j Yfglm'A "9X"zUbX9X'8"z]UbXYfV]h'

5bbU7']ZcfXf%- %E'5gg]UhbDfcZggfc'cZ9Uf'm7\]X\ccX9XiW]cb"6"G'UbXA "GZ I b]j YfglmicZ]HbbYggYU]h Uf]b/5XX]hcbU'gh Xn]a cb]Yggf]zG]B]Wc Ug'A cb]hg]gcf]'7Ybhfz@cbXcb"

BUbW]A "9UgYmf%- , E'5ggVUHYDfcZggfc'UbX'8]fWmf'cZ]hYA "9X"z; Yfa Ublek b"6"5"zH]b]mi b]j Yfglm'A "9X"zHM Ug'5 / 'A 'I b]j Yfglm'9X'8"zi b]j YfglmicZA Ya ! d\lg'

7\UfYg'5": ck`Yf%-)E'5ggVUHYDfcZggfc'cZ9XiW]cb'UbX'G]b]cf'J]WDFYg]Ybhi Zcf'I b]j YfglmFYU]cbg"6"A "zi b]cbI b]j Yfglm'A "7"A "zB Yk 'Cf'YUbg'H'Yc'c[]W' %) - G]a]bUf]d\8"zA]gg]dd]G]U]I b]j Yfglm'

>Yb]Zf'; fcj Yf%- -E'5gg]UhbDfcZggfc'cZ9XiW]cb'UbX'8]fWmf'cZ]hYA "5"9X"z ; Yfa Ublek b"6"G'UbXA "9X"zA]gg]dd]G]U]I b]j Yfglm'9X'8"zi b]j YfglmicZA Ya ! d\lg'

FUd\ @y YfYhf%- +E'DfcZggfc'cZGdYU'9XiW]cbUbX'5W]b['8]fWmf'cZ]hYA "9X"z]W]gb"6"G'A]XX'YHbbYggYU]G]U]I b]j Yfglm'A "5"zA "GzD\8"z]UbXYfV]hI b]j Yf]glh'

A Y]gg]U9"A Uh]gff%- , E'=-bgf] Wmf'cZ9XiW]cbUbX'8]fWmf'cZ7']b]W'9l dYf]YbW]g'6"G'zi b]j YfglmicZ5'U]U]A "9X"zi b]j YfglmicZA Ya d\lg'

? Ybb]A B Yk a Ub f\$S\$E'5ggVUHYDfcZggfc'cZ9XiW]cbU'@YU]Yf]g']d'UbX'8]fWmf'cZ]hYA "5"9X"z-UW]gb"6"5"zi b]cbI b]j Yfglm'A "9X"zA "5"zUbX9X'8"zi b]j YfglmicZA Ya d\lg'

H]ca UgF'Fcg]Wfci [\ f%- *E'DfcZggfc'cZ9XiW]cbUbX'8Yub'cZ]hY7c`Y] YcZ9Xi ! W]cb'UbX< i a Ub'Gh i X]Yg'6"5"zA "5"zUbXD\8"zC \c'G]U]I b]j Yfglm'

FUbXn]G' U]Vi fb f\$S\$E'5ggVUHYDfcZggfc'cZ9XiW]cbU'@YU]Yf]g']dz8]fWmf'cZ]hY'9X'G'UbX9X'8"fd!&Z; Yfa Ublek b'UbX'9l YW]h] Y8]fWmf'cZ; Yfa Ublek b'7U]d i g'6"G'z: fYX] < UFX]a UbI b]j Yfglm'A "9X"UbXD\8"zi b]j YfglmicZA]gg]dd]"

7U]]`YGYU]W]f%- 'E'5ggVUHYDfcZggfc'cZ9XiW]cb"6"Gz@UbY'7c`Y] Y/A "9X"z I b]j YfglmicZA Ya d\lg'D\8"zGci h Yfb =`]bc]gI b]j Yfglm'

9]n]U]V]h]JU [\ b]BYmf\$S\$E'5ggVUHYDfcZggfc'cZ9XiW]cb"6"5"zGmfUW]gYI b]j Yfglm'A "9X"zi b]j YfglmicZcfY]cb/D\8"zCfY]cb'G]U]I b]j Yfglm'

98 | 75HCB

'=J" A]bcf]b DfcZgg]cbU 9Xi W]hcb HJ] cfYXZcf H U W Y f @]Vb g f Y

5"" 9Ya YbHf m? !*Í (- \ci fg
% 98I % SZ&' z& SZ')%Z') &Z')' z') (z') z') *z(' %
& 5FH') +zA I G') , zD9K G') -

6"" 9Uf m7\]X\ccXDFY? ! Í) &cf) \ci fg
% 98I % SZ&' z& SZ')%Z' (&Z')%Z') &Z')' z') (z') z') S
& D9K G' &&&cf FYX7fcgg:]fgh5]Xk]h Uxi 'hZW] X/]bZLbh7DF
' "" D9K G') -

7"" A]XXY; fUXYg(!, Í ' , \ci fg
' 98I % SZ&' z& SZ' &z') &Z') (z') z') *z(' &

8"" GdYU 9Xi W]hcbÍ ' &cf") \ci fg
% 98I % SZ&' z& SZ') zG9(') /DGM' % z' & zG7(%
& D9K G' &&&cf FYX7fcgg:]fgh5]Xk]h 5 Xi 'hZ7\]Xz-bZLbh7DF

' J" FYeI]fYa Yb]g Zcf; YbYU '7cfYUbX'6'G' 7cfYUFYHJ] cfYXZcf]b]hU 'H U W Y f
']Vb g f Y" G Y n e i f U j]gcf Zcf XHJ] g'

5ggYgg a Ybh' cZ' AU' cfg

5 Xa]gg]cb]c UbXWbh]bi UbW]b]h YH U W Y f 9Xi W]hcb DfYc[fUa UbX'h YDF 5 L-G
=Yl Ua]bU]cb UY]b]fY[U dUf]g cZ h Y U g Y g a Y b h c Z 9Xi W]hcb 'a Ucf g'

Gh i XYbh' Cf [Ub]nUh]cb

? U d U S Y H U D] z] b] h] b] h] c] b] U < c b c f G c V] m] b 9Xi W]hcb z] g X Y X] W] X] c] g W c U f g] d '
U b X] Y W] Y b W] b] Y X] W]hcb"

H Y G h X y b h m b y g g Y 9Xi W]hcb 5 gg W]hcb] g W a d c g Y X c Z h X y b] g c b h Y W a !
d i g k \ c U Y d f Y d U] b] c h U W "] g d i f d c g Y] g l c c Z f] g a Y a V f g U ' h Y c d d c f h i b] h Y g z
f y g d c b g] v] h Y g z U b X d f] j] Y Y g c Z h Y B U] c b U 9Xi W]hcb 5 gg W]hcb U b X h Y H m b Y g g Y
9Xi W]hcb 5 gg W]hcb U b X] c U w i U b h z h i f Y h U W Y f g k] h h Y \] g c f n z h] W z U b X d f c ! % * %
[f U a c Z h Y c f] U b] n X h U W] b] d f c Z g g] c b "

Gh i XYbh' 5 kUfXg

H Y B c f U G a] h 6 U Y f G i X y b h H U W Y f c Z h Y M U f 5 k U F X] g d f Y g b h X] c h U i
g h X y b h i k \ c z] b] h Y 1 X] a Y b h c Z h Y 8 Y d U f a Y b h c Z 9Xi W]hcb z \ U g X Y a c b g f U H X] c '
h Y \] [\ Y g h X Y] f Y] b] V c h ' h Y W "] Y] Y b X d f Y d U f U r c f m W U g f c c a g ' h c g Y g] ' g U b X U h
f] v i h g \ Y X] c V Y W U F U M] g] W c Z c i h] U b X] b] W h] U Y X W U g f c c a ' h U W Y f g U b X k \ c '
g c k g] f Y U h g h d f c a] g Y c Z U W] j] b] h] g g] h] g] b n Y f g l c W a Y 5 b U k U F X] g] j] b] c '
c b Y g h X y b h W h] z] b] c h U W ? ! , z c b Y] c ; f U X Y g + ! % z U b X c b Y] c h Y g i X y b h] b G d Y M U '
9Xi W]hcb"

7 c i f g Y' CZYf]b [g] b' 9Xi i WU]cb' f 98 I l

f l < c i f g 7 f Y X] h : ! : U / K ! K] b h f / G G d f] b] / G ! G a a Y f '

K] h h Y Y] W d] c b g c Z 98 I % SZ&' z& SZUbX'G9' & z U " Y X i W]hcb UbX'gdYU Y X i !
W]hcb W i f g Y g U Y U g U d f Y Y e i] g] h U X a] g g] c b] c h Y H U W Y f 9Xi W]hcb Dfc[fUa f H D E '
5 "" W i f g Y g k] h ' U Y X Y d Y f] Y b W U b X ' Y U W ' Y b \ U b W X g i X y b h i H U W] b] W i f g Y Y e i] f Y
d f c c Z c Z] U]] h m] b g] f U b W'

% S" : ci bXU]hcbgcZ5 a Yf]Wb 9Xi W]hcb fE: zK zG

<] g c f] W z d \] c g d \] W z U b X g c V c]] W U g Y g i b X Y f n] b] h Y X Y Y e d a Y b h c Z 5 a Y f] W b '
Y X i W]hcb U] b g] h h c b g ' H Y f c Y c Z h Y g W c c g z U a g c Z Y X i W]hcb z U b X f c Y c Z g U h z c W z
U b X Z X Y f U] Y b W] g k] " V Y a d \ U g n X " & S \ c i f U Y X Y d Y f] Y b W Y e i] f Y X'

& " " Df]gcbU Ei U]hYg cZ9ZAMj YH U W Y f g f M: zG

5 b Y d c f U] c b c Z d Y f g c b U e i U] h Y g c Z 9 Z A M j Y H U W Y f g h f c i [\ U U Y X Y d Y f] Y b W U b X
[f c i d X] g W g g] c b "

8 S" -bgfi WjcbU HWbc`c[m]b h Y7`Uggcca fR: ZK ZGZG

DfYfYei |glh: 7G7 %8) "

5`Wi fgY XYg[bYX`lc`a YhigUy`|bgfi WjcbU`hWbc`c[mgUbxUXg" 9a d`Ulg`lg`cb`
Wa di hf`U X]cZj |XycZUbXcdh|W`hWbc`c[mUg]h]gi gX`|b`h YWUggcca "

' &" 8 Y Ycd|b[FYU|b[`G_]`g]b h Y7cbh5fYUgfI: ZK ZGZG

DfYfYei |glh: H9D5 Xa |gg]cb"

8 Y Ycda YbhcZfYU|b[`g_]`g]b Wbh5h5fYUgk |h`Ya d`Ulg`cb`h`Ygi Xmg_]`gi gX`
|b`a |XXYUbX`gYwbXUfmgWcc`dfc| fUa g`FYei |fYg8` W`W`^ci fg`cZUggcca `k`cf`_`
i`bXf`h`Yg`dYfj |g]cb`cZ`h`YWUggcca`h`UWf`UbX`UW`^Y`Yg`dYfj |gcf`FYei |fYX`cZ`
gYwbXUfmYXi W]cb`gi XYblg"

98175HCB

9U m7`|X`ccX`-bgfi WjcbU 8 Yg[b7ci fgYg`/` =fI(% (&Ubx`-bgfi WjcbU 8 Yg[b`

7ci fgYg`-J =fI) %) *Ez`WgUhh]cb`cb`h`Y]bh| fU]cb`cZ`h`Wbc`c[mUbx`ch`Y`WffYbh`
|gg`Ygz`dfc`V`Ya`g`Ubx`dfU`U]Wg]b`h`Y`U`Y`X`"7i`ffYbh|gg`Ygz`dfc`V`Ya`g`Ubx`dfU`U]Wg]h`U`i`
k`|`V`Y]b`W`XY`U`Y`Y`U`f`b]b| `gm`Y`df`Y`Z`f`Y`b`Wg]b`W`g]cb`zb`U]cb`U`g]Ubx`U`f`X`g`X`j`Y`f`g]h`
Ubx`Z`U]h`Ubx`Y`h`|Wg`7cf`Yei |g]hg]b`W`XY`U`%`!`^ci`f`U`Y`X`Y`d`Yf]Yb`W`U`h`h`Y`d`f`Y`g]V`X`
`Y`Y`"5`W`f`f`m`i`

%*8

') * " -bgfi WjcbU'8 Yg[b'J =f(L: zG

DfYfYei |ghY 98I ") ' UbX" (UbXHØD5 Xa |gg|cb"7cfYei |ghY 98I ")) "

8 Yg[b'UbX |a d'Ya YbLH|cb'cZ|bgfi Wjcb' |b'a |XXYgWcc`k |h' UHb|cb'hc'hY

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% * ' .

(&% HUUW]b[< YUH UbXD\ng]W 9Xi W]cb]b h YGYWbXUfmGWcc` fIE: zG
DfYfYeI]ghY: 98I " & UbXH9D5 Xa]gg]cb"
5 Wi fgYlc dfYdUfYh Ygh Xybhlc Wffmci h hY\ YUH UbX d\ng]W YXi W]cb dfc[fUa`
Uhh YgWbXUfmYj Y"FYeI]fYg& WcW\ci fgcZWUggfcca k cf_ i bXf h Yg dYf]gcb`
cZh YWUggfcca hUWYf UbXUW`Y] Yg dYf]gcf"

(&% HUUW]b['A Ua Ya U]Vg]b h YGYWbXUfmGWcc` fIEG
DfYfYeI]ghYcf`7cfYeI]ghY: A 5H&%%DfYfYeI]ghY: 98I " & UbXH9D5 Xa]gg]cb"
A YhcXgZcf\]]\`gWcc`hUWYfgcZa Ua Ya U]Vg]FYeI]fYg& WcW\ci fgcZWUggfcca`
k cf_ i bXf h Yg dYf]gcb`cZh YWUggfcca hUWYf UbXUW`Y] Yg dYf]gcf"

(&" HUUW]b['A cXfb`Ub[i U Y]b h YGYWbXUfmGWcc` fIE:
DfYfYeI]ghY: 98I " & zH9D5 Xa]gg]cbz*`ci fgcZI @`Ub[i U YWXX]h`
5 gh XncZdf]bVd YgzdfUW]VgzUbXa YhcXgcZHUW]b[`a cXfb`Ub[i U Yg]bgWbXUfm
gWcc`FYeI]fYg& WcW\ci fgcZWUggfcca`k cf_ i bXf h Yg dYf]gcb`cZh YWUgg
fcca`hUWYf UbXUW`Y] Yg dYf]gcf`]b`lk c`Ub[i U Y`UcfUcf]Ygcf`Ub`YeI]j UYbh
Uddfj YX`Y dYf]YbW`FYeI]fYgX]ZfYbh`Y YgcZ]bgfi W]cb]b h YgLa Y`Ub[i U Ycf`
]bgfi W]cb]b`lk c`Ub[i U Yg`"

(&" HUUW]b['A i g]Wb`GYWbXUfmGWcc` fIE:
DfYfYeI]ghY: 98I " & UbXH9D5 Xa]gg]cb"
A YhcXgUbXa Uhf]UgZcf hcgYk`c d`Ub`lc hUWdi V]VgWcc`a i g]WbX]bgfi a YbHU`
a i g]Wb`a]XXYUbX`\]]\`gWcc`"FYeI]fYg& WcW\ci fgcZWUggfcca k cf_ i bXf h Y
g dYf]gcb`cZh YWUggfcca hUWYf UbXUW`Y] Yg dYf]gcf"

(&" HUUW]b['GcWU`Gh X]Yg]b`GYWbXUfmGWcc` fIE:
DfYfYeI]ghY: 98I " & UbXH9D5 Xa]gg]cb"
A Uhf]UgUbXa YhcXgZcf hUW]b[`gcWU`gh X]Yg`FYeI]fYg& WcW\ci fgcZWUggfcca`
k cf_ i bXf h Yg dYf]gcb`cZh YWUggfcca hUWYf UbXUW`Y] Yg dYf]gcf"

(&" HUUW]b['GdYYW UbXH YUfY5 f]g]f]LK
DfYfYeI]ghY: 98I " & UbXH9D5 Xa]gg]cb"
A Uhf]UgUbXa YhcXgZcf hUW]b[`gdYYW/`h YUfYUf]g`FYeI]fYg& WcW\ci fgcZWUgg
fcca k cf_ i bXf h Yg dYf]gcb`cZh YWUggfcca hUWYf UbXUW`Y] Yg dYf]gcf"

(' S" 9b`UbWXGh XybHUUW]b[`9I hbXX:]YX9I dYf]YbW]b 9Uf m7\`]X`ccXf]fE
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DfYfYeI]ghY: 5 Xa]gg]cb`lc`gh XybhHUUW]b["Dugg#: U`"
5 gYa Yghz`c`KgnXg`c`ZgiXUW]b[k]h AZ`XUng`mYf]g`YX`Y dYf]YbW`k cf_]b[`]cb`A
k]h]bZ]bg`UbXnci b[`W]`XfYb]b`YUf`mW]X`ccX`gY]b[g`B`c`ch`Yf`Wi`fgYga`UmY`

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↳X]j]Xi U`fygYUFW`i bXYf`h`Y[i]XUbW`cZUZUW`hma Ya Vffg'

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Hè VYi g`X`Uhh`YX]g`W]cb`c`Zh`Y`XYdUfha Ybh'

& A |b|a i a ; D5 'cZ&) 'b U` Wi fgYk cf_ Uhl b|cb| b|j Yfg|hñ
 ' " -b|fj |Yk k |h h YHUYWYf 9Xi W|cb GMYb|b| '7ca a |HYY'
 (" : |YX'Y| dYf|YbW|b YXi W|cb Uih YUddfcd|U|Y| fUXY'Y Y /UYX'Y| dYf|YbW
 UWi |fYX'h fci | \ |fUbgZf WXX|hia i ghVY'j Yf|UYX'k |h UWi fgYXYGM|d|h|cb'cf'
 gn'UMi g'lbX|W|b| 'h Y|c|U`ci fg'Wa d'YHX'UbX'h Yd'UWa Yb|'
)" GUhgZMcfmgWfYgcb'h YDDGHF YUX|b| 1%-(ZA U| 1%' ZK f|j|b| 1%' Ezc'f'5 7H
 f|7ca dcg|h'cZ&fzcf'G5HFfL|7ca V|bYX'gWfYcZ%'S&S'
 *" 5 ddfcj U`cZ|h Y9Xi W|cb 8 YdUfla Yb|'
 +" 5 ddfcj U`cZ|h YHUYWYf 9Xi W|cb '7ca a |HYY'

5 dd`|W|cb|lc`h`YH9D`98I` % SZ: ci bXU|cbg'cZ5a Yf|Wb`9Xi W|cbz'g'ci`X'VY
 HU`Yb`Xi f|b| 'h Yg'WbXg'g'a Yg'f'cZ'h YZ'Yg'a Ub'mUF'cf`Xi f|b| 'h YU'f'g'h'g'a Yg'f'UM'
 f'UbgZf`h`YU'd`|W|cb|lc`h`YH9D|gg|Va |HXX'Xi f|b| 'h |g'Wi fgYZ'UbX'U&S'|ci f'UYX'
 Y|dYf|YbW|b Ub'Uddf'cj YX'g|h|b| |g'Ugc'Wa d'YHX'6m'Wa d'Y|b| 'h YU'Xa |gg|cb'dfc'Wgg'
 YU'f'ni|b'h YW`Y' YW'f'f'Z'Ugi Xybh|gUY'Ylc HU`YWi fg'g'h Uhf'Yei |fYU'Xa |gg|cb'lc`h`Y
 H9D'k`Yb`h Yni'fY'cZ'fYX'5`gi Xybhk`c` \ U'g|f'UbgZf'fYX'h Y'Yei |j U'Yb|cZ'98I` % S'
 g'ci`X'a U`YU'd`|W|cb|lc`h`YH9D|ja`YX|U'Y'ni dcb`Yb|f'UbW|lc`I`b|cb'

7cb|jbi`U|cb|j|b`h`YH9D`-b`cf`Xf`lc`f`Ya`U|b|b`h`YH9DZ`c`ck`|b|`U`Xa`|gg|cb`zh`Ygi`!
 Xybia i g'ha U|b|U|b`U; D5 'cZ&) 'b U` Wi fgYk cf_ z|b`h`Ya Ucf'Z'UbX|b`h`YdfcZ'gg|cbU`
 YXi W|cb`WfY`5`fY'Wa a YbXU|cb`Z'ca`h`Y`g'i Xybh'g'a Ucf`XYdUfla Yb|j'gf'Yei |fYX'
 Xi f|b| 'h Y'1 b|cf'nUF'Z'f`Wb|jbi`U|cb|j|b`h`YH9D`G'i Xybl'g'a i g'ig`W'gg'a`m'Wa d'Y'Y'
 Ugg'Yga Ybh|g|U`Yg`%UbX`&cZ'h Ydcf|z`c`|c`dfc'Wgg'

5 Xa`|gg|cb|lc`gi`Xybh|H|U|b|`"G'i`Xybl'g'a`i`g'h`U`Y`Ub`Udd`|W|cb|j|b`cf`Xf`lc`VYU`!
 a |HXX'lc`gi`Xybh|H|U|b|`VZ'fY'h Ydcg|hXX'YU`|bYXi f|b| 'h Y'g'a Yg'f'f'f'cf'lc`gi`Xybh|
 H|U|b|`5`dd`|W|cb|g'fYU`j`U`UY|b`h`Y9Xi W|cb 8 YdUfla Yb|'C'h`f'f'Yei |fYa Ybl'g'
 Z'f`gi`Xybh|H|U|b|`fYU'gZ`c`ck`g

- %` A |b|a i a`g'WfYg'cb`U`Udd`|WV`Ydcf|h|cbg'cZ'h YdFU |g`=g'f|Yg'
- &` A |b|a i a ; D5 'cZ&) 'b U` Wi fgYk cf_ "
- ' "' A |b|a i a ; D5 'cZ&+) 'b`h`Ya Ucf/gca`Ya Ucf`XYdUfla Ybl'g'f'Yei |fYU`| \ |Yf`
a |b|a i a ; D5 'b`h`Ya Ucf"
- (" A |b|a i a ; D5 'cZ&+) 'b`h`YdfcZ'gg|cbU`YXi W|cb`WfY'
-)" Dcf|z`c`Ugg'Yga Ybh|g|U`Y`'a`i`g'hVY'g`W'gg'a`m'Wa d'YHX'
- *"' 7ca d'Y|cb'cZ'h YdfcZ'gg|cbU`YXi W|cb`WfY'
- + "' @UW`bc'a`cfY'h`Ub`cbY`Wi`fgY'Z'f`Wa`d'Y|cb'cZ'h`Y`Yb`Xcf`g'a`Yb|f'Yei |fY'
a`Ybl'g'
- , "' FY'Wa`a`YbXU|cb`Z'ca`h`Ya`Ucf`XYdUfla`Yb|'
- "' 5 ddfcj U`cZ'h Y8 Yb`cZ'G'i Xybl'g'
- %S" 5 ddfcj U`cZ'h YHUYWYf 9Xi W|cb '7ca a |HYY'

K \ `Ybc`Wi`fg'g'a`UniVY`HU`Yb`Xi`f|b|`h`Y`g'a`Yg'f`cZ'g'i`Xybh|H|U|b|`z'gi`Xybh|
 H|U|b|`g'a`|bUf'fY`\YX'a

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9Uf mUYXyl dYfYbWg' 5g'lg'fyei JfYX'VmbUjcbU' g'UbxUXg'Ubx'Vmh' YHbbYggY' GUy8 YdUfa YbhcZ9Xi Wjcb [i]XY'bygZUF mUYXyl dYfYbWg'UFYUj JhU dUhcZh Y H9DUhI b]cb' H Ydi fdcgYcZh YgYUF mUYXyl dYfYbWg'lg'ic]b]fcXi W'h YdfcgdYmJ Y hUWYf'lc Uj Uf]YmicZgWcc' g'h]b[g' YufbYgZ'Ubx'fci h]bYUWj]h]y' H Y_ bck 'X] Y Ubx'g.]'g]b]fcXi WX']b Wi fgYk cf_ k]' VYfYUbx']b h YUF mUYXyl dYfYbWg'

Proof of professional liability insurance is required of all students enrolled in courses with field experiences" H]g'Y dYbgY'lg'h YfYgdcbgV]hmcZh Ygi Xyb' C dhcbgZcf h]g'Wj YFU Y]bW XZVi hUFYbch'a]hX'rcza Ya VYf'g]d]b Gi XybHbbYggY9Xi Wjcb 5 ggc'WUjcbz 7 \ f]g]U 9Xi Wrcfg'5 ggc'WUjcb -b]hfbUjcbUzcf DfcZgg'cbU 9Xi WrcfgcZHbbYggY' @]U]]hm]bg' fUbw]gUgc' Uj U'UVYh'fci [\ I b]cb I b]j Yfg]m' -bZfa Ujcb U'ci hYUW' cZh YgYcdhcbg]g'Uj U'UVYh'fci [\ h Y5 ggg]Ubh8 Yub Zcf H UWYf' 9Xi Wjcb "

5ddYUg' H Y9Xi Wjcb 8 YdUfa Yb]jgWUF]X'k]h h YfYgdcbgV]hmc Z' ck h Y Yg'LV]g' YX'dc]WgZcf U'Xa]gg]cb'lc Ubx'Wa d'Yjcb'cZh YH9D' H YH UWYf' 9Xi Wjcb' 7ca a]hYz'k \]W]bW Xyg'fYdfYg'bhUj YgcZh YZUW' hmZca U'Wcgg'h Yi b]j Yfg]hZ]g' h YH9D'WcfX]bUj]b[Ubx'dc]W'a U_]b[VcXnzcf'h Yi b]hUbx]g'fYgdcbgV YZcf Ugg' f]b[' h Uh' Yg'LV]g' YX'dc]Wg'UFYz' ck YX' =Zh Ygi Xyb'Z Yg'h UhYg'LV]g' YX'dc]W'ic' dfUW]W]g' bchV]b[Z' ck YX'z h YH UWYf' 9Xi Wjcb 7ca a]hY'g'ci X'VY'Wb' H M'X' H YH UWYf' 9Xi Wjcb 7ca a]hY'g'Ugc' h YUddYUg'Wa a]hY'Zcf'h YH9D'5 " UddYUg' Zcf' f]]bWZca Yg'LV]g' YX'dc]W'Ubx'dfUW]W'g'ci X'VYdfYg'bhX']b k f]h]b['lc h Y 8 Yub'cZh YGWcc' cZ9Xi Wjcb Ubx' < i a U'G' X]Yg' H Y8 Yub'k]' Wbg'Xyf'k \ Yh Yf' h YUddYU' a Uz'k]h]b Yg'LV]g' YX'dc]W'ZVY]fUb'hX' =Zh YUddYU' \ U'g'VYb Xyb]YX'Vmi h Y8 Yub'z h Ygi Xyb'ha Um'Wccg'Y'lc X]f'Y'W'h YUddYU' 'lc h YH UWYf' 9Xi Wjcb 7ca ! a]hY' H Ygi Xyb'g'ci X'W'blU'W'h YWUfa U'cZh YH97 Ubx'dfYg'bh' h YUddYU']b' k f]h]b["5 Zmf' h YH97 \ U'g'Wbg'Xyf'YX'h YUddYU'z h Ygi Xyb'hk]' VYbch]U'X']b k f]h]b[' cZh Y'Wa a]hY'g'X'h'fa]bUjcb"

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5gg'Yga YbhcZgi Xbhc'i H'Wa Yg' Gi Xyblg' UYf'fyei JfYX'lc' g' Va]hUdfcZgg'cbU' dcf]z']c U] (g]U Yg'h'fci [\ ci h'h Ydfc' fUa "H Ydfc]z']c j Y]U'g'Uwi]g]hcb'cZ bck ' ! YX] Yz'g]' g'Z'Ubx'X]g'c]g]hcbg'fyei JfYX'Vmi]bg]h hcbUz'g'U'Y'Ubx'bu]cbU' g'UbxUXg' H' VY'U'Xa]hX'lc' g' h Xyb'h'UW]b[z'g'i Xyblg'a i g'Ugc' Uwi]fY'dUgg]b['g'W'Yg'cb'U' Udd']W'Ydcf]hcbg'cZ h YDfU]g' = U'g'X'h'fa]bX'Vmh' YHbbYggY'GUy'8 YdUfa Ybhc' cZ9Xi Wjcb" H YDfU]g' = g'ci X'VY'U' Yb' U' Yg'h'cbYg'a Yg'f' df]cf'lc h YVY']bb]b[' cZgi Xyb'h'UW]b['lc Ugg' fYfYW]d'hcZdUgg]b['g'W'Yg'

:]bUbw]U' -bZcf a Uh]cb

-b UXX]hcb'lc h]hcbzUZy'k]' VY'WUF]XU' g' h Xyblg'Yb[Uj YX']b Yb' Ubx'g' h Xyb' h'UW]b[Ubx'Y' h'YX'U'Y'X'Y' dYf'YbW' H]g']g' g'X'lc' a Y'h'dU'hcZ' h Y'Y' dYbg'Y'cZ' h Y' W'cdY'Uj]b[h'UWYf' g'h'dYbX'Ubx'fUj Y' Y' dYbg'Y']bW'ffYX'Vmh' Yi b]j Yfg]m'g' dYf']g'cf' 5 a U'h]f]Ug'Zy]gUgc' WUF]XZcf'g'i Xyb'h'UW]b[Ubx'Uddfcdf]U'Y'Wi fg'Yg'h'fci [\ ci h h Y'W'ff]W' i a U'bx'lc' Wj Yf' W'g'g'X]f'Y'W'm'f'Y'U'X'lc' h Y'W'i fg'Y'cf' U'c'f'U'c'f'n'7i fY'Yb'i a U'h]f]Ug' Ubx'Y' dYf'YbW'Zy'g'UFY]bX]W'hX']b' h Y'I:]bUbw]U' -bZcf a Uh]cb' cZ h Y' Catalogue"

Dfc [fUag'cZ' Gh i Xm']b' HYUW \ Yf' 9X i WU]h]cb

Gi Xyblg'g'Y_]b[']Wbg' fY]b' g'Y'W'bx'U'f'm'U'f'U'g'a i g'h'Wa d'Y'h' h Y'a U'cf']b' h Y'Yb' X'cf'g'a Yb'h'U'f'U'bx' h Y'

cZ6i glbYgg5Xa]b]gfU]cb'gW]cb'cZ]hY CatalogueZcf`jWbg fYzd'i g'h YGAWbXUfmi DfcZgg]cbU'9Xi W]h]cb"

6i glbYggHWbc`c[m!%&7ca d`Yh`h Y5 Ww] b]b] z9Wbca]W#:]bUbWZA UbU Y! a YblzcfA Uf_Y]b] `a UcfUgci h]bYX]b`h YA W ZYGWcc`cZ6i glbYgg5Xa]b]gfU]cb' gW]cb'cZ]hY CatalogueZcf`jWbg fYzd'i g'h YGAWbXUfmiDfcZgg]cbU'9Xi W]h]cb"H]g' YbXcfGya YbhUFYU]g'cZfYXUgXi U`jWbg fYk]h `6i glbYgg9Xi W]h]cb'+!%&'

6]c`c[m!%&7ca d`Yh`h Y6]c`c[n]a UcfUgci h]bYX]b`h Y8 Ydl'cZ6]c`c[n]gW]cb' cZ]hY CatalogueZcf`jWbg fYzd'i g'h YGAWbXUfmiDfcZgg]cbU'9Xi W]h]cb"

7\ Ya]g]fmi!%&7ca d`Yh`h Y7\ Ya]g]fmi UcfUgci h]bYX]b`h Y8 Ydl'cZ7\ Ya]g]fmi gW]cb'cZ]hY CatalogueZcf`jWbg fYd'i g'h YGAWbXUfmiDfcZgg]cbU'9Xi W]h]cb"z

7\ Ya]g]fmi!%& D\ng]W+!%&Xi U YbXcfGya Yblg 7ca d`Yh`h Y7\ Ya]W#D\ng]W a UcfUgci h]bYX]b`h Y8 Ydl'cZ7\ Ya]g]fmi gW]cb'cZ]hY CatalogueZcf`jWbg fYzd'i g'h YGAWbXUfmiDfcZgg]cbU'9Xi W]h]cb"

9Uf m7\]X`ccX9Xi WEDfY? ! .7ca d`Yh`h Y@Uf]b]b] : ci bXU]cbga UcfUbX]hY DfcZgg]cbU' `cf Ya\Ya Q i WEdf - Y q

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jb`h`Y8`Ydlh`cZA i gVgWjcb`cZh`Y Catalogue`d`i`gh`YGYWbXUfmDfcZggjcbU`9Xi`Wl`hcb`7cfY`

A i gV9Xi`WjcbZJ`cW#`YbYFU`A i gVW`!%&`7ca`d`Yh`h`Y6UWYcf`cZA i gWXY`
[fY`WfYk`Jh`Ya`d`Ujg`]b`A i gV9Xi`Wjcbz`HFUW`Zcf` ;`YbYFU`#7`cfU`-bgfi`Wcf`Ug`
ci`h]bYX`]b`h`Y8`Ydlh`cZA i gVgWjcb`cZh`Y Catalogue`d`i`gh`YGYWbXUfmDfcZggjcbU`
9Xi`Wjcb`7cfY`

D`ngjW`9Xi`Wjcb`?`!%&`7ca`d`Yh`h`Ya`Ucf`]b`D`ngjW`9Xi`Wjcb`UbX`<`YU`h`Ug`
ci`h]bYX`]b`h`Y8`Ydlh`cZD`ngjW`9Xi`Wjcbz`K`Y`b`Yggz`UbX`GdcfhgWjcb`cZh`Y Catalogue`
Zcf`]Wbg`fYzd`i`gh`YGYWbXUfmDfcZggjcbU`9Xi`Wjcb`"

D`ngjW`+!%&`7ca`d`Yh`h`YD`ngjW`a`Ucf`Ugci`h]bYX`]b`h`Y8`Ydlh`cZD`ngjW`gWjcb`
cZh`Y Catalogue`Zcf`]Wbg`fYzd`i`gh`YGYWbXUfmDfcZggjcbU`9Xi`Wjcb`"

GWcc`GcVU`K`cf`YfZDFY`!%&`7ca`d`Yh`h`Ya`Ucf`]b`GcVU`K`cf`_`UbX`h`YdfYgWjVX`
<`i`a`Ub`Gh`X]Yga`]b`cf`ci`h]bYX`]b`h`YGcVU`K`cf`_`gWjcb`cZh`Y Catalogue`"

GdUbj`g`+!%&`7ca`d`Yh`h`Y`GdUbj`g`a`Ucf`Z`H`UWYf`9Xi`Wjcb`HfUW`ZUgci`h]bYX`]b`h`Y`
8`Ydlh`cZ@Ub`[`i`U`Y`gWjcb`cZh`Y Catalogue`d`i`gh`YGYWbXUfmDfcZggjcbU`9Xi`Wjcb`"

GdYMU`9Xi`Wjcb`7ca`dfY`Ybgj`Y?`!%&`7ca`d`Yh`h`Ya`Ucf`]b`GdYMU`9Xi`Wjcbz`
h`Y7ca`dfY`Ybgj`Y?`!%&`Ya`d`Ujg`UbX`h`YDfc`ZggjcbU`9Xi`Wjcb`HJ`cfYX`Zcf`]Wbg`fY`
]b`GdYMU`9Xi`Wjcb`Ugci`h]bYX`]b`h`Y8`Ydlh`cZ9Xi`Wjcb`gWjcb`cZh`Y Catalogue`"

GdYMU`9Xi`Wjcb`A`cXJUYX`?`!%&`7ca`d`Yh`h`Y`a`Ucf`]b`GdYMU`9Xi`Wjcbz`h`Y`
A`cXJUYX`?`!%&`Ya`d`Ujg`UbX`h`YDfc`ZggjcbU`9Xi`Wjcb`HJ`cfYX`Zcf`]Wbg`fY`]b`GdY`
MU`9Xi`Wjcb`Ugci`h]bYX`]b`h`Y8`Ydlh`cZ9Xi`Wjcb`gWjcb`cZh`Y Catalogue`"H`UXX`
9`Ya`YbHfm`?`!,`Z`UXX` ;`9C`%` UbX`%` /D`<`M` \$`%cf`" `%z`UbX`5`FH`)"`+`

GdYWW`7ca`a`i`b]Wjcb`/`H`YUHf`?`!%&`Xi`U`YbXcf`Ya`Yb]g`7ca`d`Yh`h`YH`YUfY`
GdYWW`a`Ucf`k`]h`H`UWYf`@Wbg`fY`Ya`d`Ujg`Ugci`h]bYX`]b`h`Y8`Ydlh`cZ7ca`a`i`b]W`
hcb`5`f]g`gWjcb`cZh`Y Catalogue`d`i`gh`YGYWbXUfmDfcZggjcbU`9Xi`Wjcb`"

J`Jg`U`5`fhi`?`!%&`7ca`d`Yh`h`Ya`Ucf`]b`5`fh`Ugci`h]bYX`]b`h`Y8`Ydlh`cZ5`fhg`Wjcb`]b`
h`Y Catalogue`Zcf`]Wbg`fYzd`i`gh`YGYWbXUfmDfcZggjcbU`9Xi`Wjcb`"

5XX]hcbU`YbXcf`Ya`Ybh`

H957<9F.98175HCB

%+&

b]W]cb h fci [\ YUW'dfc[fUa UZZMMX"; fck h UbXXYj Ycda YbhcZh Y]bXlj]Xi U Ug' Y dcgYXhc UMj]lmg'ci `XcVWf"5 bch Yf gl[b]UWbhUgdYMcZYXi W]cb Ybj YcdYXVni h YXYdUfla Ybh]ga YUb]b[Z `i gYcZ Y]g fYi bXYf h YWbWdhcZk Y`bYgg" DfYgW]dhcb` dfc[fUa gUfYYa d\UgnYX]b Yl YfYgY#k Y`bYgg"9Xi W]cb cZgdcfha UbU Ya Yb]gh Xyblg]bW XYga cfU UbXYh]W fYgdcbg]V]]lm]b h YVi g]bYgg'cZgdcfhi

9Xi W]cb cZUa Y]WfUjbyfg]bW XYgdfyj Ybhj Ya YUg fYgUbXfY\ UV]]HU]cb hW! b]ei YgcZUa Y]Wb]f f]Yg'H Ydfc[fUa]g]U [\ hk]h Ub Yl h]bgj YW]b]W fYei]fYa Yb]I dcb[fUXi U]cb k]h h Y6'G'UbX'h Y5 h Y]WfUj]b]b[`a Ucfzh Ygi Xybh]gY][]VYlc` ghZcf'h YB 5H5 6C 7ZUa Y]WfUj]b]b[W]h]UW]cb Yl Ua]bU]cb"

? bck]b[YXi W]cb]gUWbh]bi ci gdfcWggzh Ydfc[fUa g'ci `XWUYU'UbXa U]b]Uj]b` Ub Ybj]fcb a Ybh]h fci [\ `a cj Ya Ybh]Y dY]YbWg'k \ YfYj Ui YgWUf]UW]cb UbX Yl dY! f]Ybh]U`Yfb]b[cWVf/YUXf'g.]d[fUYa W]UfbQ

b ~Q]U Z

D<Mg:7 5@.98 17 5HCB? K9@@B9GG? 5B8`GDCFH

%+)

D<Mg:75@98175HCB?K9@B9GG?5B8.GDCFH

%\$:]hYggZcf< YUH fM: ZK ZG

H YYZMgCZ[ccXdYfgcbU ÚhYggcb YUW]bXj]Xi UzcZÚhYggfUj]b| cbhYj U]ci g
gnhYa g'cZh YVcXmUbx\ck h YVcXmfYgdcXg'lc Yl YfVgYk]`VYUfUgcZYa d\Ulg'
-bWi Xyg`Ym fYUbxgYmXd\ngjW UMj]hYgk \]WUfYXyg| bYXlc UXYUWgi Xybi
]b UW]y]b| U| fYUhf XY fYcZlchU VcXmÚhYgg'

1%\$ "6Y]bb]b| `Gk]a a]b| fM: ZG

5 `Wi fgY'lc Yei]d`h Ybcb]gk]a a Yf`k]h `Vg]Wk Uhf`gUzmig.]`gUbx`bck `YX] Y]b`
cfXf'lc a U`Y`]a #\ Yf fYUgcbUvmigUZ`k \]Y]bžcbžcf Uci hk Uhf'

1%\$ ("FUWi YVU` fM: ZK ZG

6Y]bb]b|]g.]`gzi `YgUbxg]fU] m]5 `]Z]hja YgdcfhhUk]`Z`Wgcb\`Yuh `Xy Y!
cda Ybhhfci [\]]| cfci gUMj]mh

1%\$ "-bhfa YX]UYGk]a a]b| fM:

DfYfYei]g]h`D9K G%\$ "
: cfXYdlk Uhf`gk]a a Yfg'lc Zla]]U]nYh Ygi Xybhk]h`gUzmifi `YgUbxg.]`gziYm!
U]cbU`dcgg]]hYgZUbx`d`ngj`c]]W`VybYUg`cZgk]a a]b| "9a d\Ulg]g'cb`a U]fmi
cZUg]Vgfc`Yg`bYwgg]fmit VYUgUZ`Ubx`Wa dYh`bhgk]a a Yf"

1%\$ "Hbb]g fM: ZG

1%\$+"6ck `]b| fM:K

-b]fcXi W]cb'lc h Yfi `YgzhWb]ei YgZgWf]b| zUbxY]ei YhY`cZVck `]b| "

1%\$ "KU_]b| Zcf:]hYggfM:Cb`8 Ya UbX

KU_]b| `UgUZefa `cZY YfWgY'lc Xy Ycd`ÚhYgg'6ch`_`bck `YX] YUbx`dfUM]WcZh Y
\Yuh `VybYUg`cZk U_]b| `UfY`a d\UgnYX"7ci fgY`a UmYfYdYUhx`cbWZf`Ub`UX!]
h]cbU`WX]hifYei]f]b| `fYgUfWUbxU`]| \ Yf`Y Y`cZUMj]mh

%+*

1%\$ "Jc`YmU` fM:K

1%\$%6Ua]bleb fM: ZK

% "9 Ya Yb]fnd]Bi]f]h]cb fM:G

9 Ya Yb]fnd]b]Wd`Yg`cZbi]f]h]cb Ubx`h Yf`Udd`]W]h]cb'lc h Y]bXj]Xi U`Ubx`h YZla !
]mh

1%\$ "Gck G_]b| fM:Cb`8 Ya UbX

5 b]b]fcXi W]cb'lc]g.]`gzdfcdYf XfYggZgUzm]UbxWbX]h]cb]b| hWb]ei Yg`Udd`]W]h]cb`
cZg.]`g`YfbyX`h]fci [\ `Uk Y`!`cb| `UYX]f]d"

1%\$ "7UcYUbxX \]hYkUhfFU]]b| fM:Cb`8 Ya UbX

5 b]b]fcXi W]cb'lc Xy Ycd]g.]`gUbx`dfcj]XYdfcdYf]bgfi W]cb]b`h YUfUgcZgUzmh

1%\$!&`"? UfUy=fM: ZGUbX? UfUy=fM:G

6`cWgZ`]WgZ`g] `YgZ`di bWYg`Ubx`bYwgg]fmg]LbWgZcf`Yl YW]h]cb`k]`VYHU [\ h]c`
Xy Ycd]g.]`gzfYb| h`zUbx [YbYU` \ YUH "

1%\$ "5fWYmfM:K

%\$ " HUa `Gdc]f]g fM: `

: i bXLa Yb]U`g.]`gzi `YgzhWb]ei YgZUbxg]fU]]mcZ]hUa `gdc]f]g'

% †

'D<MG=7 5@'98 I 75H=CBz' K9@@B9GG'5 B8'GD CFH

8 S" -blfcXi Wcb 1c FYWUjcb flE5gBYXX

.D<MG:7 5@.98 I 7SHCB? K9@@B9GG?5B8`GDCFH

%+,

D<MG:75@.98175HCB?K9@B9GG?5B8.GDCFH

(% " D\nglc'c[mcZ9l YfVgYfLEg

D\nglc'c[]W' WUb[Ygk \]W'cVWf'Xi f]b['UbX'Uzf' d\nglW' UMj]]mi]bW X]b['VfW' 'Ucfrn'fYg]d]fUcfrn'YbXcW]bYzUbX'bYf] ci g'gng'h'a U]WUX'1 g'a Yblg'

(% " Hgg'UbXA Ylg' fYa Yblg]b< YUH' UbXD'nglW' 9Xi W]hcb'fLE:

6U]g]WgU]g]W' d'fcWXi fYgzi gY'cZg]UbXUX]nX'hg]g'zbcfa g'g'WYyb]b['hg]g'z] fUX]b[' d'fcWXi fYg'UbX'hgh'Wbg]fi W]cb'Zcf'g_]`g'UbX'`Wm' fYa Uhf]Ug'dYfH]b]b['lc'`YUH'` UbX'd\nglW' YXi W]hcb'`A 5H%` fYWa a YbXXVYZcfYH]_b] 'h]g]W'i fgY'

(% " Cf[Ub]n]hcb'UbX5Xa]b]g]fU]hcb'cZD'nglW' 9Xi W]hcb'UbXGdcf]fLE:

5Xa]b]g]fU]hcb' Yd'fcV'Ya g]b] UXYdUf]a YbhcZd\nglW' YXi W]hcb]b]h'YV]mg]Wcc'`gng'h'a z fi fU X]g]f]Wg'Y'Ya Yb]f]m]UbX'`]] \ `g]Wcc'g'UbX'W'`Y] Yg'

(% " GdcfhDgnWc'c[n]fLEg

DfYfYei]g]h' DGM&% "FY]d'fcW' W]X]h DGM(' &&' 5dd'n]b] 'V]g]W]dgnWc'c[]W' d]f]b]W]d' Yg]h' W]UW]b] 'g]h' U]hcbg'8 Yg]b] bYX]c' U]X'W]UWYg']b'a c]h] U]hcbz'Wa a i b]W]hcbz'UbX'W]UW]b] 'a Y]h'cXg'ch'Y'f'h'U'b'g_]`g'XYj Ycda Ybh'

(% " 7i ffYbh-egg Yg]b'Gdcf]fLE:

7cb]h'a dcf]f]m]f]YbXg'UbX'W]b]f]c] Yf]g]U']egg Yg]b]g]d'cf]hik]h' Ub'Ya d'U]g]g'cb'Ub'Ub'Wz a Ub]U'Ya Yb]zYh]W]z'g'W'c'c[n]a U'`Y]h]b] 'UbX'`Y]U']egg Yg]'`b'W X]g'Ub'cb]c]b] 'f]Y]]Yk'` cZg]d'cf]h'i g]b]Ygg'`ci fb]Ug'UbX'di V]W]hcbg]U]g'k Y'`U]g'Y] Ybh]W]j Yf]U' Y'

(' % 7'i fWA]b]g]f]m]-b]h]f]bg]d#]YX9l dYf]YbW]fLE5gB YXXX

5 Z'`g'Ya Yg]h']b'U'c'W' Wi fW'fYW]U]hcb'd'fc[f]Ua zMA 75'cf': 75 "H'Yg]h' XYbhk]`' X]fY]W]U'c'W]]b]z'cf] Ub]n]Y'UX]U]m]W]a d' d'fc[f]Ua z]g] f]j Ym]z'f'fYW]U]hcb'bYXg'z'W]b]Xi W]U g]Y]W]U'fYW]U]hcb'X]U]z'Y]W]H'Y'g]h' XYbhk]`'_Y]d'U'c] 'cZ]]g]h' Y'f'U]m]j]h]z]k]f]h]Y]Ua U'c'f' d]U]Y'f'UbX'g]d]YbX'` \ ci fg'dYf'k Y'Y'`cb]g]h'

%, \$

(') " -b]h]f]bg]f]h' *E: zK zCzG

-b]h]f]bg]]d'c'd'cf]h'i b]h]Yg]i bX]f' U'd'f'c'd'f]U]Y]g' d'Y]f]]g]cb'Z'f' U]g]d]Y]W]U]Y]X]h'a Yz]k]h']g]d]Y' W]U]W]Yei]f]Ya Yblg' X]h]f'a]b]YX' V]m]h' Y X]YdUf]a Ybh]g' d'Y]f]]g'c'f]f]h'(') ` \ ci fg']b]h]f]bg]]d' Y] d'Y]f]YbW]f'a]b]a i a `cZ% S' \ ci fg]f]Yei]f]YXZ'f' YUW' \ ci f'cZ]W]Y]X]h'DfYfYei]g]h' `i b]c'f' g]UbX]b] 'UbX'W]b]g]YbhcZ]h' YX]dUf]a Ybh'

(*% 9l YfVgYHgg]b] 'UbX'DfYg]W]d]hcb'fLEg

DfYfYei]g]h' D9K G'(% z'(% " 5'g]h' X]m]cZ]h'Y'W]b]f'c'`YX'i gY'cZ]Y] YfVgY'le'`Y] U]i U]Y'h'Y'U]b]Ygg'`Y] Yz'Yg]d]Y]W]U'`m]h'Y' W]X]c]j U]g]W' U'f'Z' b]W]hcb'cZd'Yf'g'cb]g'z'g]d]Y]W]U'W'`m]h'c]gY']b'a]XX'Y'UbX'c'X]f'U'Y]f]ci dg' 9a d'U]g]g]k]`' V]Y'd'U]W]X'cb'h'Y'g]W]b]h]U]W]U]g]cZ]f]Y]W]a a YbX]b] 'Y] YfVgY'd'fc[f]Ua g]U]g' U'd'f]Y] Yb]hcb'cZ] Y]f]h]X]g]U]gY'`7cb'W]d]g'cZ]Y] YfVgY'h]g]b] 'UbX'dfYg]W]d]hcb'k]`' Z'`c'k'` h'Y]i]X]Y]b]Y]g'cZ]h'Y5a Y]f]W]b'7c'`Y] YcZGdcf]g'A Y]X]W]b]Y'

I' D\ng]W'5 W]j]h]m]7ci fgYg]Udd]W]W]Y]lc'h'Y; Yb]YU'7cfY7i ff]W]i a

5h \`Yh]W' HfU]b]b[`AU'cf'UbX'Dfc [fU a A]gg]cb' GhUh'Y a Ybh

H'Ya]gg]cb]]g]h' d'fYd]Uf]Y' \] \ `m]Yz]W]j Y5h' Y]h]W]f]U]b]b] 'd'fcZ]gg]cb]U]g]k]h]]b'Ub' Yb]j]f]c]b]a YbhcZ'a Y]X]W']g]W]b]W]U]b]X'7'f]g]h]Ub]Z]h' " `b'U]W]f]X]Ub]W]k]h' H]b]b]Ygg]Y]g]U]Y' W]X]Y'Ub'5h' Y]h]W]f]U]b]f]]g]U'd'Yf'g'cb]z'k \ `c' i d'cb'h'Y]U]g]]W]z'W]b]g]Y]h]UbX'c'f'U'c'f'k]f]h]b' d'fYg]W]d]hcb]g'c'f'Yz]f'U]g'cZ]d'ng]W]U]b]W]f]]Y]g'ci h'h' Y'd'f'U]W]W]cZ'd'f]Y] Yb]hcb]z'f]Y]W]]b]h]cb]z' Y]U']h]cb]za Ub]U'Ya Yb]z'X]g]d'c]g]h]cb]z'f]Y]U]a Yb]z'cf'f'Y]U]]h]h]cb]cZ]h' Y]f]W]b]1 f]Y]g'6mi d'fc]]X]b] 'Uei U]]m]X]X]U]M]W]b]X'W]b]W' YXi W]hcb'Y] d'Y]f]Yb]W]lc'ci f'g]h' X]Yb]z]k Yk]`' d'fYd]Uf]Y'h'Ya Z'f'U]g] Ub]W]X]YXi W]hcb'c'f'Ub'Yb]f]m]Y] Y'W]f]Y]f']b'U]h' Y]f]W]f]U]b]b] "

7 iff]wi`i a

5 WXX]H]cb. H\Y5h`YHWFU]b]b[Dfc[fUa `cZI b]cbI b]j Yfglm]gUWXX]H]X`Vni h\Y7ca a]gg]cb`cb`5 WXX]H]cb`cZ5`YX< YUh`9Xi W]cb Dfc[fUa g`f755< 9DE"

5 Xa]gg]cb`lc`h`Y5h`YHWFU]b]b[`9Xi W]cb Dfc[fUa `f5H9DL`5 dd`]Wb]g`a`i`gh`VY`U`Xa]H]X`lc`h`Ydfc[fUa `df]cf`lc`Ybc`b[]b`5H` *S`a`YH]b[`a`]b]a`i`a`W]H]f]UX`Yg`W]VYX`VY`ck`"Dfc[fUa `gh`Y]g`]a]H]X`Vm`755< 9D`g]Lb`XU`Xg`W`b`g`Yei`Yb`h`n`U`Xa]gg]cb`]g`W`a`!`d`Y]H]j`Y`I`b]cb`I`b]j`Yfg]H`ma`U`Yg`Y`Y`f`m`Y`Z`c`f`h`lc`U`W`a`a`c`X`U`Y`U`d`]W]H]cb`g`k`]h`X]g`U`]H]Yg`H`W`b]W`g]Lb`XU`Xg`U`j`Y`V`Y`b`Y`g]U`]g`Y`X`Z`f`h`Y`d`f`c`Z`gg]cb`U`b`X`U`f`d`i`V`]g`Y`X`]b`h`Y`Union`University`Trainer`Student`Handbook`"H`Y`U`d`]W]b]g`U`]H]m`lc`a`Y`h`h`Y`g`Y`g]Lb`XU`Xg`k`]`V`Y`Y`j`U`i`U`h`X`U`g`d`U`f`h`c`Z`h`Y`d`n`g]W`Y`l`U`a`]b`U`]cb`X`Y`g`W]VYX`VY`ck`"

- %": i`n`m`U`Xa]H]X`lc`I`b]cb`I`b]j`Yfg]m]g`U`X`Y`]f`Y`g`Y`_]b[`g`h`X`Y`b`h`
- &": D9K`G`&`S`k`]h`U`]f`U`X`Y`c`Z`6`c`f`\\]`Y`f`U`g`b`X`a`]b]a`i`a`7I`A`:`D`5`&`"
- '": 7ca`d`Y]cb`c`Z`U`d`]W]H]cb`lc`5H9D`f`Y`i`f`b`Y`X`lc`h`Y`8`]f`W`f`V`n`i`5`d`f`]`%`
- ("`D`n`g]W`Y`l`U`a`]b`U`]cb`Z`ca`U`]W`b`g`X`a`Y`X]W`d`f`U`M]H]cb`Y`]b`U`X`X]H]cb`lc`W`a`!`d`Y`h`Y`U`h`\\]g`c`f`n`a`f`W`f`X`c`Z`]a`a`i`b]n`U`]cb`g`Z`U`b`X`<`Y`d`U`H]g]6`J`U`W]b`U`]cb`c`f`k`U`j`Y`"
-)": 7i`f`f`Y`b`h`7`D`F`W`H]U`W]H]cb`a`U`b]U`b`Y`X`Z`f`h`Y`X`i`f`U`]cb`c`Z`h`Y`d`f`c[fUa`"
- **": G]`b`Y`X`U`f`Y`Y`a`Y`b`h`lc`U`X`Y`Y`lc`h`W`b]W`g]Lb`XU`Xg`c`Z`h`Y`d`f`c[fUa`Z`U`X`_`b`ck`!`Y`X]`Y`a`Y`b`h`c`Z`i`b]cb]g`Trainer`Student`Handbook`"
- +": 5`d`]W]b]g`a`U`h`V`Y`U`g`Y`X`lc`]b`h`f`j`]k`k`]h`U`b`5`H`9`D`W`a`a`]H]Y`lc`d`Y`f`g`b`U`m`i`Y`j`U`i`U`h`Y`d`c`h`b]U`lc`W`a`d`Y`h`h`Y`d`f`c[fUa`"

'7c`i`fg`Y`C`Z`Y`f`]b`[`g`]b`5`h`Y`h`]W`H`f`U`]b]b[`f`5`H`L`

fL<`ci`fg`W`X]h`r`:`I`:`U`/`K`I`K`]b`h`f`/`G`G`d`f`b[`/`G`I`G`a`a`Y`f`

&)"`5`h`Y`H`W`F`U`]b]b[`7`]b]W`=f`L`E`:

DfY#7cfYei`]g]h`D9K`G`&`%`Z`&&&Z`&`S`
-b`g]f`W]cb`]b`U`f`g]U`X`U`b`X`U`g]W`h`Y`H`W`F`U`]b]b[`W`b`W`d]g]b]b]c`X`i`W]cb`lc`U`h`Y`H`W`F`U`]b]b[`%`,`%`
f`c`c`a`Y`b`j`f`c`b`a`Y`b`h`Z`V`Y`]b`g`X`j`Y`c`d`a`Y`b`h`c`Z`g`_`]g`]b`k`c`f`_]b[`k`]h`U`W`H`Y`U`h`Y`H`W`b`f`f]Y`g`
-b`W`X`Y`g`g`_`]Y`j`U`i`U`]cb`Z`ca`D9K`G`&`%`U`b`X`&&&U`g`k`Y`_`U`g`W`i`f`g`Y`a`U`H`]U`"

&)"`5`h`Y`H`W`F`U`]b]b[`7`]b]W`=f`L`E`G`:

DfY#7cfYei`]g]h`D9K`G`&`%`Z`&&&Z`&`S`/`5`H`*`S`
Df]a`U`]m`i`U`V`c`f`U`c`f`m`U`g`Y`X`]b`g]f`W]cb`W`j`Y`]b[`h`Y`U`b`X`g`c`b`d`g`n`W`c`a`c`h`c`f`g`_`]g`d`f`Y`
g`b`h`X`]b`5`H`*`S`9`j`U`i`U`]cb`c`Z`_`b`ck`Y`X]`Y`]b`Y`X`]b`*`S`U`b`X`h`]g`W`i`f`g`Y`"

'`)"`S`5`X`a`]b]g]f`U`]cb`c`Z`5`h`Y`H`W`F`U`]b]b[`D`f`c[f`U`a`f`L`E`G`:

5`b`c`j`Y`j`]k`c`Z`a`U`b`U`Y`f]U`g`_`]g`b`W`g`g`U`m`i`Z`f`U`b`Y`Z`W`M]j`Y`5`h`Y`H`W`F`U`]b]b[`d`f`c[f`U`a`
]b`W`X]b[`f`Y`W`f`X`_`Y`d]b[`Z`]f`c`i`d`c`f[`U`b]n`U`]cb`U`b`X`f`W`M]j`h`a`Y`b`h`Z`U`h`Y`H`W`F`U`]b]b[`f`c`c`a`
X`Y`g]`b`Z`g`W`Y`X`i`_]b[`U`b`X`]b`g`f`U`b`W`d`f`c`W`X`i`f`Y`g`"

'`)"`S`H`Y`U`d`Y`i`H`W`a`c`X`U`]H]Y`g`f`L`E`:

DfYfYei`]g]h`D9K`G`&`%`
5`X`M]U`Y`X`g`h`X`m`c`Z`h`Y`h`Y`f`U`d`Y`i`H`W`a`c`X`U`]H]Y`g`b`c`f`a`U`m`i`H`]n`Y`X`V`m`i`U`h`Y`H`W`F`U`]b]Y`g`
lc`h`Y`U`h`g`d`c`f`g]f`Y`U`H`X`]b`f]Y`g`G`i`X`Y`b`g`k`]`V`Y`Y`l`d`c`g`Y`lc`U`k`X`Y`j`U`f]Y`m`c`Z`W`]b]W`
h`W`b]e`i`Y`g`i`H`]n`Y`X`V`m`g`d`c`f`g]a`Y`X]W`b`Y`G`i`X`Y`b`g`k`]`V`Y`f`Y`e`i`f`Y`X`lc`X`Y`a`c`b`g]f`U`h`V`c`h`
d`f`U`M]W`U`b`X`h`Y`c`f`H]W`_`b`ck`Y`X]`Y`c`Z`h`Y`g`Y`a`c`X`U`]H]Y`g`"

'`)"`%`I`d`d`Y`f`6`c`X`n`9`j`U`i`U`]cb`U`b`X`H`Y`U`a`Y`b]b]5`h`Y`H`W`F`U`]b]b[`f`L`E`:

DfYfYei`]g]h`D9K`G`&`%`Z`(%`Z`6`-`C`&&`%`

D<MG=7 5@.98 I 75H=CBi: K 9@@B9GG 5B8.GDCFFH

D<MG:75@98175HCBZ:K9@B9GGZ:5B8.GDCFH

'*)" 5h`YHWFUj|b|`7`|b|W`==fLE:

DfY#7cfYei |g|h'g`D9K G`&% z&&sz&(S/5H' *S' *%
Df|a Uf|m`UvcfUcfmVUgYX`|bg|fi W|cb`Wj`Yf|b|`h`Y`UbXg`cb`dgn`Wca`cxf`g`|`g`dfY`
g`bhX`|b`5H' *%`9j`Ui`U|cb`cZ`_`bck`YX|`Y|`U|bYX`|b`' *%`UbXh`|g`Wi`fgY`

'+S" @ck Yf`6cXm9j`Ui`U|cbg/`HYUa`Ybh|b`5h`YHWFUj|b|`fLEG

DfYfYei |g|h'g`5H' *%`
5Xj`UbWX`fU|b|b|`Zcf`h`YWFYcZ`Wa`a`cb`U`h`Y`f|W|b1`f|Yg`cZ`h`Y`ck`Yf`VcXm`

'+)" 5h`YHWFUj|b|`7`|b|W`=J`fLEG

DfYfYei |g|h'g`5H' *)`Z`'+S`
: i`fh`Yf`|bg|fi`W|cb`|b`ck`Yf`VcXm9j`Ui`U|cbg`UbXh`YfUdY`h`W`a`cXU`|H`Yg`-bW`XYg`g`|`
Yj`Ui`U|cb`Ug`hU`[`\h|b`Wi`fgY`UbX`|b`5H' *S'`'+S`

())" ; YbYU`A`YX|WbY/`D`Ufa`UW`c[`m|b`5h`YHWFUj|b|`fLEG

-b|h`fU`Hgd`Ufa`UW`c[`|W`dd`|W`h`cbg`zcf`|U`|h`X`Vm`Vc`Xm`g`h`a`g`k`|h`[`YbYU`a`YX|W`
W`bX|h`cbg`UbX`X|g`U`|h`Yg`cZ`h`cgY`|b`c`j`YX`|b`d`ng|W`U`Mj`|m`

(*)" 5h`YHWFUj|b|`7`|b|W`J`fLE:

: i`fh`Yf`|bg|fi`W|cb`|b`Y`YfVgYfY`U`|h`U|cb`h`W`b|ei`Yg`UbX`5`Ha`U`U`|`Ya`Yb|h`-bW`XYg`
g`|`Y`Yj`Ui`U|cb`Ug`hU`[`\h|b`Wi`fgY`UbX`|b`5H`() S'(*`S`-bW`XYg`cZ`W`a`di`g`W|b|W`|c`
Xj`Ycd`g`|`g`|b`k`cf`_`|b|`k`|h`U`h`Y`f|W|b1`f|Yg`

(+)" 5h`YHWFUj|b|`7`|b|W`J`=fLEG

DfYfYei |g|h'g`5H`())`Z`(*`)"`
: i`fh`Yf`|bg|fi`W|cb`|b`d`Ufa`UW`c[`m|UbX`[`YbYU`a`YX|W`W`bX|h`cbg`-bW`XYg`g`|`
Yj`Ui`U|cb`Ug`hU`[`\h|b`Wi`fgY`UbX`|b`5H`())`"

%, & _____

5j`U`U`V`Y`|b`YUW`X`d`Ufa`Yb`hU`dfYU`"

%S&S', S(, S"Gh`Xm5`Vfc`UXDfc|`fUa`gf%(E5`gB`YXX`
5`Wi`fgYg`UbX`h`Yf`Udd`|W`h`cb`a`i`gh`VY`XY`Ub`YX`UbX`Uddfcj`YX`df|cf`tc`hfY`Y`"

%)!*"GdYU`Gh`X|Yg`f%(E`C`b`8`Ya`UbX`
@ck`Yf`|Y`Y`[`fci`d`g`h`X|Yg`k`\|W`Xc`bch`Udd`YU`f`|b`h`YfY`[`i`U`f`X`Y`d`Ufa`Yb`hU`c`Z`f`|b|`g`

'-)!*"GdYU`Gh`X|Yg`f%`E`C`b`8`Ya`UbX`
I`ddYf`|Y`Y`[`fci`d`g`h`X|Yg`k`\|W`Xc`bch`Udd`YU`f`|b`h`YfY`[`i`U`f`X`Y`d`Ufa`Yb`hU`c`Z`f`|b|`g`

(-)!*"=-bX`Yd`Yb`X`Yb`h`Gh`Xm`f%(E`C`b`8`Ya`UbX`
-bX|j`|Xi`U`f`Yg`Uf`W`i`b`X`Y`f`h`Y`[`i`|X`L`b`W`c`Z`U`Z`U`W`h`ria`Ya`V`f`f`g`"

(-, !-"G`Ya`|b`U`f`f%`E`C`b`8`Ya`UbX`
H`E`V`Y`i`g`X`U`h`Y`X|g`W`h`cb`c`Z`h`Y`X`Y`d`Ufa`Yb`h`

8YdUfh a Ybh'cZ'DgmW\c`c [m

7c`Y[Y'cZ'9XiWUh]cb'UbX' < i a Ub'Gh i X]Yg

:UWi`hm

HfYgUKYghf%, 'E'DfcZggf'cZDgnWc`c[mUbX8YdUfha Ybh7\Uf''6"5"ZI b]cbI b]!
j Yfg]hm'A "5"Z9X'GZLbX'9X'8"ZI b]j Yfg]hmcZA Ya d\]g"

>]bb]@Y[\ '6'Uuw'f% - %L"5gg\Uy'DfcZggf'cZDgnWc`c[m'6"GZI b]cbI b]j Yfg]hm'

'DGM7 < C @ C ; M

%, '

7c i fgY' CZZYf]b [g]b' DgmW\c`c [m'fIDGML

fLE< ci fg7fYX]h: !: U' /K !K]bHf/GGdf]b] /G !G a a Yf

&% " -bfcXi W]cb'lc DgnWc`c [nfilE: ZK ZGZGi

5'g fj YmcZhh Yj U]fci g'fYUg]bW' XYX]b'h YUYX'cZdgnWc`c [nzi gb] 'h YV]c]g'WU' UbX'g]Mbh]UW'ddfcUWYg'lc i bXYfg]UbX]b] 'VY\U]cf"

&% " 8 Yj Ycda YbHU DgnWc`c [nfilEK ZG

DfYfYei]g]hY: DGM&% "

< i a UbXYj Ycda YbhZ'ca h YdfYbUU' g]U] Yh'fci [\c'XYf'UXi 'h'ccX'9a d\U]g' Ya c! h'cbU'Z'g'V]U'Zd\n]g]W'Za c'cfZUbX'dgnWc`c []W' XYj Ycda YbhcZhh Y]bX]j]Xi U'"

I&Q "G' fj YmcZ9l Wd]h'cbU]h]Yg'f]E: ZK ZGZGi

GYYG9' &Q' Zcf Wi fgY'XYg]W'd]h'cb"

' %& " G]U]g]W'Zcf h Y6Y\ U]cfU' G]WbW'g'f]E: ZG

DfYfYei]g]hY: DGM&% " F'Yw'a a YbXXX 'A 5H'%' "

6U]g]W]U]g]W'a YUj fYg]UbX'Wb'Wd]h'cbY'W'g]f'm'ic i bXYfg]UbX'dgnWc`c []W']h'fU]i fYz k]h' Udd']W]h'cb'lc h' YVY\ U]cfU' g]WbW'g'k]h' Ya d\U]g'cb 'Y dY]a YbHU XYg]]b"

' %& " -bXi g]f]U' DgnWc`c [nfilE:

DfYfYei]g]hY: DGM&% "

3'p'q]fj]Yk 'cZdgnWc`c [m]b'h'Y'cf]d]U] 'fY']b']z'a d]j]fch'rdY'g'p]U'g'Y'W]c' U'W]U]b]b]]z' YUXYfg']d'g'mYg'z'U']z'a c'cfZ]U]b]g'

' %& " 5 Xc' Yg]Wb]h]nWc`c [nfilEG

DfYfYei]g]hY: DGM&% "

3'g' X'bcZhh Y]bX]j]X]U']f]b] U'c' Yg]W]h]n'U'g'k]h' Ya d\U]g'cb h' YXYj Ycda YbhcZgY'Z]X]b]h]m]UbX'h' YdfcV'Ya g'Z]W'X'Vmh' Y5a Yf]W]b'U'X'c' Yg]W]h'

' %& " <]g'cf'm'icZDgnWc`c [nfilE5gBYXXX

DfYfYei]g]hY: DGM&% "

H'YXYj Ycda YbhcZdgnWc`c [m]z'ca]lg'YU'f'm]W]]bb]b]]g'lc h' YdfYg]Yb]h'k]h' Ya d\U]g'

DGM7 < C@C : M

U Yei Zg]hY: DGM&% A df :
5 Yei]g]hY: DGM&%
%, (

' & " H \cf|Yg'cZDMfcbU]hmfLE:
DfYfYei]ghY DGM&% "

'DGM7 < C @ C ; M

%,)

.DGMT < C @ C : M



%, *

8YdUfh a Ybh'cZ'GcW]U' Kcf

7c`Y[Y'cZ'9XiWUh]cb'UbX' < i a Ub'Gh i X]Yg

:UWi`hm

A Ufn5bbYDcYf% - *E"5 gg VUHYDfcZggf'cZGcWU'K cf_ zDfc[fUa '8]fYMcF'UbX8Y!
dUfa Ybh7\Uj"6"5 "ZJUbXYFV]hi b]j Yfg]hm'A "G'GK "ZI b]j Yfg]mrcZ@ci]g]`Y/A "8]j "Z
Gci h Yfb'6UdhghH Yc`c[]W'Gya]bUfn5 "7"GK "

Hmfm6`U `Ym'RSS' E"5 gg VUHYDfcZggf'cZGcWU'K cf_ "6"GzQLa < ci gcb'GHYI b]!
j Yfg]hm'A "GK "UbXD\ "8"z6Ufmi b]j Yfg]m5 "7"GK "z@7"GK "

Fcg'nbK]gcbf% -) E"5 gg VUHYDfcZggf'cZGcWU'K cf_ UbXGcWU'K cf_ :]YX8]fYMcF'
6"GzHmbbYggYGHYI b]j Yfg]hm'A "G'GK "ZI b]j Yfg]mrcZHmbbYggY"

A]gg]cb'GhUhY a Ybh

GcWU'K cf_]gU'ci h Yd]b['dYcd'Y'W] XfYbZLa]Ygzc'XYf Uxi 'hgZUbXk \c'Y'Wa !
a i b]h]Yg'H YgcWU'k cf_ dfc[fUa 'dfYdUFYg'gh XYb]gZ'f Yb]fm'Yj Y'dfcZgg]cbU'dcg!
h]cbg]bUX]j Yfg]mrcZdi V]WbXdf]j UH'gYh]b] gZ]bW X]b] W]XUx] cWm]UbXk YZfYz
W]XfYb UbX'nci h 'wi bgy]b] žgWcc`gcWU'k cf_ ža YX]W'gcWU'k cf_ žWi fW'gcWU'
k cf_ ža]gg]cbgZ'ghf WfYUbXU'cd]h]cbgZ] Yf]Uf]Yg'WU'k cf_ žUbXa YbhU`YUH "HAY
dfc[fUa 'dfYdUFYg'gh XYb]g'lc Ya dck Yf'dYcd'YzdUf]W'U' m]hcgYk \c'UFYj i 'bYFUYz
lc UW]Yj YUVYHm'U'U' k]h h Yf'k cf'XUbX'lc \Yd'h Yk cf'X'lc Y'a cfYfYg]cbg]j Y'lc
h YbYXgcZdYcd'Y'H Ydfc[fUa 'Ya d'UgnYgh Y]a dcf]bWcZU]YVU Uf]gZ'ci bXU]cb
UbX'cZ7\ f]g]Ub UbX'gcWU'k cf_ j Ui Yg]h.Udfca chYgcWU'UbX'Wbca]W] gh]W'

H Ya Ucf Ugc Ya d'UgnYgdfYdUfU]cb Zcf[fUXi UhY'gh Xn]; fUXi UhY'Z'ca h Y6GK
dfc[fUa 'UYY][]VYlc Udd'nZcf Ux] UbWX'ghUbX]b]]b[fUXi UhYdfc[fUa g'YUX]b] lc U
a Ugh]g]b'gcWU'k cf_ XY]fYZA GK "

.GC7=5@KCF?
%,+

7 iff]Wi`i a

5'gi Xybha Ucf]b[]b` E gh YXXj Y' E gh YY`

.GCT:5@KCF?

5Xa]gg]cb'FYei]fY a Ybhg'hc'h\Y'GcWU' Kcf_ 'Dfc[fUa

5' gi Xybhia UniXWUFY Ua Ucf]b' GcWU' K cf_ 'i dcb' Uxa]gg]cb' hc' h'Y i b] Yfg]hri
8i f]b| h' Ygdf]b| g'ya Ygm' cZh Ygi Xybhg'gd\ca cfYmUfZh Ygi Xybhia U_ YgUb Ud|
d']W]cb' Zcf' Yb]fm]b| hc' h' Ydfc[fUa "H'YZ'`ck]b| 'UFYfYei]fYa Ybhg'Zcf' Uxa]gg]cb' hc'
h' Ydfc[fUa]b' h' Ygd\ca cfYmUf.

- 7ca d' YH'Ub' Udd']W]cb' Zcfa "
- CbYZW' hmfYZfYbWzcbYdYf'gcbU' fYZfYbW'
- < Uj YU'h' YUgh'& 7I A ; D5 "
- 7ca d' YH'GK '8SSZ8S%Ubx' %S'k]h' U'h' YUghU| fUXYcZi 7' i' H' Yg'ya UmVYHU_ Yb]b'
h' YU'f'gh'ya Ygm' UZM' Uxa]gg]cb' hc' h' Ydfc[fUa zh' ci [\]h]gUx]]gU'Y'lc' Wa d' YH'
h' Ya 'df]cf' hc' d'fc[fUa Uxa]gg]cb"
- 7ca d' YH'h'Y; Yb'YU' UbX'6'GK "Gd'YU'U'W'cfYdfYZfU' mdf]cf' hc' d'fc[fUa Uxa]g'
g]cb"
- 7ca d' YH'Ub']b]hf]]k' 'k]h' h' YGcWU' K cf_ 'Dfc[fUa '5 Xa]gg]cbg' 7ca a]H'Y'
? bck]b| 'nia U_]b| 'UZU'g'Y'cfU' cf' k f]h'h'b' g'LU'ha YbhXi f]b| 'h' YU'Xa]gg]cb' d'fc'Wgg'
Wb'f'Yg' 'h]b' Xyb]U' cZUXa]gg]cb' hc' h' Ydfc[fUa "H' YGcWU' K cf_ 'Dfc[fUa '5 Xa]g'
g]cbg' 7ca a]H'Y'a Umf'Yei]fY'ci]g'XY' y' Ui U]cbg'z' Ugg'Yga Ybhg'z' UbX'#cf' cd]b]cbg'
cZdfcZgg]cbU'g]g]X'Y'a YX'b'Y'Wgg]f'm'h
- Dcg'Ygg'h' YgYd'Yf'gcbU' 'ei U]h]Yg' GY'Zuk UfYb'Ygg'z'Ya dUH' n'c'V'Y'W]j]h' n'U' d'f'Y'W]h'cb'
cZ'X]j Yf'g]h' n' d'f'c'Z'gg]cbU' 'Wa a]h'a Yb'z'UbX'U']V'YU' Uf'lg'U'g'Y'cZ_ bck' 'YX] Y'
- G]]b' Ug'U'ha Ybh]bX]W]h]b| 'h' U'h' Y#g'Y' U'g'f'Y'U'X'UbX'k]' `Z'`ck' h' Y7cXY'cZ9h]W'
cZh YB U]cbU' 5 gg'V]h'cb' cZGcWU' K cf_ 'Yfg'

5ggYgg a Ybh'cZ' AU'c'fg

Gi Xyblga i gh'Wa d' YH'GK '(- Sk]h' Ua]b]a i a 'cZ] (& WcW'\ci fg]b' Ub' Uddf'c] YX'
g'c'WU' gmf]]WU' YbW'Xi f]b| 'Gdf]b| 'cZh Y]f'g'Yb]cf' mU' 'Gi Xyblga i gh' Uj YUa]b]a i a '
&) 'GK ' ; D5 'hc' Ybc'`]b' GK '(- S'UbX' (& " : cf] fUXi U]cbz'GK '(- S'a i gh'VY'Wa d' YH'X'
k]h' Ud]gg]b| [fUXY'UbX' (& k]h' U6'cf'\] \ Y'GK ' (& 'A Yd'gh' Ygi Xybh]b]h] fU'Y'UbX'
Yj Ui UH'U' 'h' Y_ bck' 'YX] Yzj Ui Yg'UbX'g.]' g'Wj Y'YX']b' d'f'y]ci g'Wi f'gk' cf_ "

G]b]cf'GK 'a Ucf'ga i gh'Wa d' YH'UgYb]cf' Wd]g]cb'Yd'cf]U']c' Wb]h]b]b| 'd'Yf'gcbU' U'g'
g'Yga Ybh]g]LU'ha Ybh]g]UbX'Yi Ua d' Yg'cZk' cf_ 'Wa d' YH'X']b' h' Ydfc[fUa "H' Y8 Yd'U'ha Ybh'
k]' f'YU]b' h' Yd'cf]z']c"

G]b]cf'gk]' 'H'U' Y'h' Y5 fU'7 cb'Wb]h'U]cb' 5 W]y] Ya Ybh'H'g]h]b' GcWU' K cf_ 'f5 75 H'L'
]b' GK '(- S' 9l Ua]b]U]cb' f'Yg' 'lg'UFYi g'YX'hc' Wa d'UFYd'Y'Zcfa UbW'k]h' b'U]cbU' b'cfa g'
UbX'hc' Ugg'Ygg'g'f'Yb|]h'g'UbX'k YU' b'Ygg'Yg]b' h' Ydfc[fUa "

; Yb'YfU' :bZcf a U]jcb

H' YGcWU' K cf_ 'Dfc[fUa]g'U'W'YX]h'X' 'Vm'h' Y7'ci bW' 'cb' GcWU' K cf_ '9Xi W]h'cbz'
%& 8i _ YG'f'Y'z'G]h') SSZ5 'Yi UbX]f]U'J 5 && % (!) +"

H' Y8]fY'W'cf' cZh YGcWU' K cf_ 'Dfc[fUa]g'f'Y'g]cbg]V'Y'Zcf' c'j YfU' Uxa]b]g]f]U]cb' cZ'
h' Ydfc[fUa "H' YX]f'Y'W'cf']g]U' U'UV'YXi f]b| 'cZU'W'ci f'g'lc' Ub'gk' Y'f'ei Y'g]h'cb'g'f'Y] U'X]b| '
h' Ydfc[fUa z'Ya d' c'na Ybh'c'd'cf]h] b]h]Y'g'z'd'f'cZgg]cbU' U'gg'V]U]h'cb'g]UbX']W'bg] f'Y'g'z'UbX'
ch' Y'f'ei Y'g]h'cb'g'f'Y'U'X'hc' h' Yg'c'WU' k cf_ 'd'fcZgg]cb"

H' YGcWU' K cf_ :]YX8]fY'W'cf' U'g'df]a U'm'f'Y'g]cbg]V']h' m'z'f' h' YU'Y'X'YXi W]h'cb' Wa !
d'cb'Yb'hc'Zh Ydfc[fUa]b'W' X]b]]a d' Ya Yb]h]h'cb' cZU'Y'X'd'f'c'Wgg'Y'g]UbX'd'f'c'W'Xi f'Y'g]UbX'
a U]b]h]b]b] 'Y'Z'Y'W]j Yk' cf_]b| 'f'Y'U]cb'g']d'gk]h' g]h'g'z'U'Y'X']b'g'f'i W'cf'g'z'UbX'g'i Xybhg'

5] Yb'W'gi :]YX' -b'g'f'i W'cf'g'g' dd' Ya Ybh'h'Y'YXi W]h'cbU' d'fc[fUa ']b' g'c'WU' k cf_ 'Vni'
d'fc]]X]b| 'g' d'Yf]]g]cb'hc' g]b]cf'g]h' Xybh'gk \c' UfY'Wa d' Y]b]b| ' (& \ca

&&" FYUjcbg\ dgzA Uff]U YUbX: Ua]]YgflE: zGzG
FYWdfcW WYX]h'CC 7'&&" GY'CC 7'&& Zcf'XYgW]d]hcb"

' \$\$" < i a Ub'6Y\ U jcf'UbXh YGcVU' 9bj]fcb a Ybhi=fLE:
DfYfYei]glh' GK' Dfc[fUa '5 Xa]gg]cb"

5 b' Yl d'cfU]hcb' cZh Yh Ycf]Yg' UbX' _bck' YX[YcZ\ i a Ub' V]c!dgnWc!g'cVU!gd]f]h U!
W'h fU' XYj Ycda YbhZca' V]fh' h'fci [\ nei b[' Uxi' 'h'ccX']b' h' YWbhl' hcZh YfUb[Y
cZg'cVU' gng]h' a g']b' k' \]W']bX]j]Xi U g']j Y' Z' h']]Yg'z[fci dgzcf[Ub]nU]hcbgz' UbX' W'a !
a i b]]Yg' H' Y']a dUM' icZg'cVU' UbX' YW'bca]WZcfWg' cb' \ i a Ub' XYj Ycda Ybhik]'' VY
Yl d'cfYX' k]h' g'dYVU' Uhh]hcb' lc' 'y' Ui U]b[' h' YcfmiUbX']hg' Udd']W]hcb' lc']gg' Yg' cZ
\ i a Ub' X]j Yf]glh'i

' \$%" < i a Ub'6Y\ U jcf'UbXh YGcVU' 9bj]fcb a Ybhi=fLEG

DfYfYei]glh'g' GK' Dfc[fUa '5 Xa]gg]cb' UbX' GK' " \$\$"
H]g'Wi fgY'Wb]bi Yg'lc' a U' Yi g'YcZh YdYcd' Y!]b! gng]h' a g'h' YcfY]W' cf]Yb]U]hcb' UbX'
fYU]h' W' k]†

GC7:5@KCF?

%-\$

'')" GeVU Dc`JWfLEG

GeVU`k YZFYdc`JWVch` \ |gref]W`miUbX`WffYbhřZ`Wgb[`cb`l]g'a Ucf`Y'Ya Ybg`
UbX`Ug]Wf`i W`fYUgk Y`Ugdfcj |X|b| UVU]gZf`Yj Ui U|cb`cZg`WU`k YZFYdc`JWg`
dfc[fUa g`UbX`g]fj]Wg'

' , " 7`|`XfYb UbX: Ua]`YgUhf]g. fLEG

7`UUMf]g]Wg`UbX`bYXg`cZza]`YgUhf]g. `UbX`dc`]Wg`UbX`dfc[fUa g`h`U`i`U`X`f`Y`g`
h`cgY`b`Y`X`g`z`k]h` U`h`b`h`c`b`h`c`f`g. `d`U`h`f`b`g`c`Z`U`i` g`z`g` V`g`l`b`W`i` g`Y`U`b`X`U`i` g`z`a` Y`b`U`
]`b`Y`g`g`UbX`dcj Y`h`h`

' (S" GeVU K cf_ Gfj]Wg]b`GWcc`gflL

DfY#7cfYei]g]h`GK `8SS

? bck `YX| YUbX`g.]`g`Zcf`YZW]j YgcVU`k cf_`dfU]W]b`U`g`Wcc``g`h]b["H`Y`g`Wcc`
g`VU`k`cf_`Y`dfcj]X`Y`U`]b_`V`Y`k`Y`b`g`Wcc`z`g`i`X`Y`b`h`z`ca`Y`Z`U`b`X`W`a`a`i`b`|`h`ř`df`a`U`]`m`i`
i`g`b`|`W`g`Y`a`U`b`U`Y`a`Y`b`h`U`b`X`U`j`c`W`W`i`g`.]`g`

' +S" ; YbXf`UbX`GcV]m]fLEG

DfYfYei]g]h`GC 7 `&%%`F`Y`W`dfcW`W`X`h`GC 7`" +S`"G`Y`GC 7`" +S`Z`f`X`Y`g`W`d]h`cb`"

(SS" Dcdi `U]cbgUHF]g. fLE:

DfYfYei]g]h`g`GK`Dfc[fUa `5`Xa]gg]cb`UbX`GK`" `S`z`" %\$`UbX`(\$`

D`U`h`f`b`g`z`X`n`b`U`a]W`z`U`b`X`W`b`g`Y`e`i`Y`b`W`g`c`Z`X`g`W`]a]b`U`h`c`b`z`Y`W`b`c`a]W`X`Y`d`f`j`U`h`c`b`z`U`b`X`
c`d`d`f`Y`g`g`c`b`k]`V`Y`d`f`Y`g`b`h`X`"H`Y`W`f`f`W`i`a]b`W`X`Y`g`W`b`h`b`h`c`b`d`Y`e`d`Y`c`Z`W`c`f`z`|`U`i`
U`b`X``Y`g`V`U`b`d`Y`f`g`b`g`z`h`c`g`Y`X`g`]b`|`i`g`Y`X`V`m`U`Y`Z`Y`h`b`|`W`h`ř`W`h`i`f`Y`Z`W`g`g`z`U`b`X`d`n`g`j`W`
U`b`X`a`Y`b`U`"U`]`h`h`7`c`i`f`g`Y`W`b`h`b`h`]b`W`X`Y`g`g`f`U`h`|`Y`g`Z`f`a`]W`c`z`a`Y`n`c`z`U`b`X`a`U`M`c`
|b`h`f`j`Y`b`h`c`b`g`X`Y`g`|`b`Y`X`t`c`Y`a`d`c`k`Y`f`h`Y`g`Y`|`f`c`i`d`g`U`b`X`]b`X`j`|X`i`U`g`"

(S%" GeVU K cf_ DfU]W]k]h`-bX]j]X`i`U`g`z` Ua]`Y`g`UbX; fci dgfLEG

.GC7-5@KCF?

%-%

(&" GYb]cf'GYá]bUf']b'GcVU'K cf_ DFUM]WfLEG

DfYfYei]glh'g 5 Xa]gg]cb'hc'CK :]YXDFUM]Wá "7cfYei]glh'GK '(- S'
Gi XYblgf'Y]Yk j U]ci ggc'VU k cf_ dfcWgg'VgZ]bW X]b[YW'c[]W'gngh'a gh Ycfm'Wb!
HUM]bX'WbhfUM]d\Ug'gcZgc'VU k cf_]bh'fj Ybh]cbzgc'VU k cf_ j Ui Yg'UbX'Yh]WZ]bX'
]bh'fj Ybh]j Yfc Yg'UbX'a Yh'cXg"7 Ugg'dfYg'bhU]hcbgUbXUWg'Ygh XnrdUdYf UYfYfYei]fYX"
:]YXDFUM]Wá Yl dyf]YbWg'UfYdfcWgg'XUgh YnrfYU'hc W]gg'cca Wb]h]bh"

(- S" GcVU'K cf_ :]YXDFUM]Wá fLEG

DfYfYei]glh'g 5 Xa]gg]cb'/GK ; D5 &)'cf'\]\ Yf"7cfYei]glh'GK '(& /DfcZ'gg]cbU'@!
UW]]hm'bg fUbW'
DfcZ'gg]cbU ÚYX'Y dYf]YbW]bUZUW'hmUddfcj YX'Wá a i b]]m]U YbWm'di V]Wé'f]dfj UYz
k]h'g dYfj]glcb'VniUb'cb]glh'Uddfcj YX'ÚYX]bgfi Wé'f"Gi XYblg'a i gh'a Yhik]h' h'Y
ÚYX]bgfi Wé'f Z'f'cbY'ci f#k YY_]b'UZUW]hc'ZUW'g dYfj]gc'fm'WbZfYbW'hc X]gW'gg'
Wg'Yg'UbX'gh XYbhdfc[fYgg'H Ygh XYbhk]`Wá d'Yh'Ua]b]a i a cZ(& W'W'\ci fg]b'
h'YU YbWm'Xc'Wá Ybh'X'cb'Uk YY_ 'm'c['UbX'U'ei fbU" H'YUdd]W]h]cb Z'f ÚYX'd'UW!
a Yb]h'a i gh'Y'g Va]h'X'Z'f'Uddfcj U'cZ'h'Y'Gc'VU'K cf_ :]YX'8]fYWé'f'bc`Umf'h'Ub'
a]X]h'fa `cZ'h'YdfYWX]b[: U`g'á Ygh'f"Dugg#: U"

GC7-5@KCF?

5j U]UV'Y]b YUW'X'dUf]h Yb]U'dfYU'.

%S&S', S(, S"Gi Xn5 VfcUXDfc[fUa gff%(E5gBYXX
5`Wi fg'Yg'UbX'h'Yf'Udd]W]h]cb'a i gh'VYX'ÚbYX'UbX'Uddfcj YX'df]cf'hc hfY Y"

%)!*!+"GdYU'Gi X]Ygff%(ECb 8 Ya UbX
@ck Yf'Y'Y'fci d'gh X]Yg'k \]W'Xc'bchUddYU'f]b'h'YfY[i 'U'f'X'YdUf]h Yb]U'cZ'Zf]b[g'

%-& ' -)!*!+"GdYU'Gi X]Ygff%(ECb 8 Ya UbX
I ddyf! Y'Y'fci d'gh X]Yg'k \]W'Xc'bchUddYU'f]b'h'YfY[i 'U'f'X'YdUf]h Yb]U'cZ'Zf]b[g'

(-)!*!+"bX'dYbX'Yb]h'Gi Xn'f%(ECb 8 Ya UbX
-bX]j]X] U'fYg'UfW' i bX'Yf'h'Y[i]X]bW'cZUZUW'h'm'a Yá Vff]g'

(-, !- "GYá]bUf'f% E: Cb 8 Ya UbX
Hé VYi g'X'Uh'h'YX]g'W]h]cb'cZ'h'YX'dUf]h Ybh'Z'f'a U'efg'cb'má

GC7:CC@C:MF:5A-@M@GH18:9G

6" CC7' && ž' & ž' ' ' ž' +Sž(%ž(&&ž(& /7< F' &((ž7CA ' &) ž97: '(%) žDGM&% /
CK ' ')

7" GYWw* ^\ci fgZca ' &X|ZfYbhUFYUg
%' CC7 ' %ž' % ž' &ž(&ž
&' DGM' % ž' & ž'(% ž' & ž'(')
' "' D9K G'% ž' S'ž' &

8" CdhcbU`Y dYf]YbW`gh XnUhi: cWgcb`h`Y: Ua]m`bg]li H`Ya Ung Vg]li H`Zcf`
cbYcf`a cfYWi fgYgUvcj Y`GYYh`Y8 YdUfla Ybh7`Uj` Zcf`XYU]`g`
` ==": Ua]m`Gh X]Yg'a]bcf] &^\ci fg
5" CC7' && ž(&
6" %` gYa YgYf`^ci fgZca ' &X|ZfYbhUFYUg`ck b]b`"6"ž7"ž8" cZh`Ya Ucf`

5ggYgg a Ybh`cZ` AU`cfg

GcVc`c] nia Ucfgc]ci bX`ci h`h`Yf`dfc] fUa `k]h` h`Y`h`c` Wdgc]bYWi fgYg`CC7' (%`
UbX' (&&'`b' (&&g]i Xyblg]Yb] U] Y]b`cf][]bU`g`VU`fYgYUFW`h`U`XfUk`g`i`dcb`h`Y`h`YcfYh`!
W`_bck`YX] YUWi]fYX]b'(%`"5`a` Ucf`cf][]bU`fYgYUFW`UbX`cfU`dfYg]bh]h]cb`UFY`h`Y`
Wa`i`U]j`Yci`h`Wa`YcZh`Ya`Ucf]g]dfc] fUa`"
H`Y`Wdgc]bYWi fgYg`Zcf': Ua]m`Gh X]Yg'a Ucfg]bW`XY`CC7' (& ž(&&`UbX' (%`"b`
(& `g]i`Xyblg`UWi]fY`h`Ycf`h`W`_bck`YX] YUg`k`Y`Ug`dfU]W`Udd`]W]h]cbg`CC7' (&&
U`ck`g`h`Y`g]i`Xybhic`Yb] U] Y]b`g`VU`fYgYUFW`UbX' (%Uz`fXg`fYU`"]Z`Udd`]W]h]cb`cZ`
_bck`YX] YUbX`fYgYUFW`"b`UXX]h]cb`lc`Ub`cf][]bU`fYgYUFW`dUdYf`UbX`cfU`dfYg]bh]h]cbz`
a`Ucfg]h]g]h`h`Yf`U]]m]b] UY`Xk`cf`"

Gh i XYbh`Cf [Ub]nUh]cbg

Dj; Ua a UA i žbU]cbU`g`VU`g]W]bW`^cbcf`g`V]mžg`Y`g`lc`ja`dfc] YgWc`Ufg`]d`]b`
g`VU`g]i`X]Yg`lc`]bg]fYg]fj]W]lc`^i`a`Ub]m]m]Ub`]bh`"]] YbhUddfcUW`lc`h`Y`g`i`h]cb`
cZg`VU`dfcV`Ya`g`UbX`lc`Yb] YbXf`g`ra`dU]m]lck`UfXg`ch`Yfg`k`]h`X]ZfYbhic]d]b]cbg`
UbX`]bg]h]h]h]cbg`Gh`Xyblg`k`^c`^U`Y`Wa`d`Yh`X`&S`^ci`fg`cZg`VU`g]W]bW`k`]h`U`G`
U`YfU`Ycf`Uvcj`YUFY]]]VY`Zcf`a`Ya`Vf`g`]d`"

GcVc`c]]g]g]b`A`ch]cb`cZf]GcVc`c] nã` Ua]m`Gh X]Yg]UbX`^i`a`Ub`Gh`X]Yg'a`Ucfg`#`
a`]bcfg`cd`d`cf]i`b]h]Yg`Zcf`Z`Y`ck`g`]džg`Vc`c]]W`b`Yk`cf`_`b]`ž`UbX`lc`]i`]XY`]bX]j`]Xi`Ug`
]b`h`Y`UYX`lc`cd`Yb`h`Y`UYX`cZGcVc`c] m]lc`dfcg]W]m]j`Y`g]i`Xyblg`UbX`lc`X`Ya`cbg]fU`Y`
7`f]g]Ub`^cj`Yh`fci`[`^`a`]b]g]f]m]c`d`d`cf]i`b]h]Yg`

Gh i XYbh`5 kUfXg

H`Y`D]; Ua a UA i`G`Wc`Ufg`]d`A`YXU`]g`dfYg]bhX`lc`h`Y`[`fUX`U]b]`^a`Ya`Vf`cZ`
h`Y`g`V]m]k`]h`h`Y`^]]Ygh`U`M`X`Ya`]W]j`YfU`Y`

7c i fgY`CZYf]b[g]b`GcW]c`c`m`f]GC7ł

f]E< ci fg7fYX]h': !: U`/K`!K`]bh]f`/G`Gdf]b] /G`!G`a`a`Yf`

&&" Df]b]Wd`Yg`cZGcVc`c] m]f]E: žK`žGžG

5b]b]f]c`Xi`W]cb`lc`h`Y`g]W]bh]U]W]gh`Xnic`^i`a`Ub`VY`U`j`cf]b]`[`fci`d`g]h]b]`g`

&&" GcVU`DfcV`Ya`g]f]EG` 9j`Yb`Mufg

5`dfU]W]W`]b]f]c`Xi`W]cb`lc`g`ca`YcZh`YgdY]W]U]W]W]bh]a`dcfU]m]g`VU`]gg`Ygg`W]U]W]a`Yz`
Xca`Yg]W]j`c`YbWZ`UbX`UW`^c`UbX`Xf`
A`lc` Q`
A`a`d`h`

Yl dUbX]b['cddefhi b]hYg'Hed]W'Gyl i U'Xy' Ycda YblzZ bW]cbUbXXngZ bW]cbzW'h fU'
UbX'g'Wc!dgnWc'c[]W']gg' Yg'UbX'7\fg]UbzYh]W' UbX'a cfU' fYgdcbgYg'

(%%" =b]Mfbg\]d flE: zK zGzG

DfYfYei]glhg' &%CC7 \ci fg]bW X]b['(%:cf'(@ /(&&UbXXYdUfla Yb]U'Uddfcj U"
5 'UYX'g]h U]cb']b'UW'a a i b]miU' YbW'h]G dYfj]glcb'k]''VYdfcj]XX'Vmi]YU' YbW'h
UbXXYdUfla Ybl"5 'ci fbU'UbX'fYg]UFW'dUdYf'UYfYei]fYX"

'GCT=C@C;M#:5A=@M'GHI 8:9G
(%" H Y<]glcfmcZGcWU H'ci [\hflE:

DfYfYei]glhg' *\ci fg'cZCC7]bW X]b['CC7'&%%

% - *

8YdUfh a Ybh`cZ`7cbh]b i]b [`Gh i X]Yg

7c`Y[Y`cZ`9X i WUh]cb`UbX`< i a Ub`Gh i X]Yg

Dfc [fUa `@YUXYfg\]d

**6UVUUDYfmf% - - E"7\Uf`cZh Y8YdUfla YbhicZ7cbh]bi]b [`Gh i X]Yg8]fWmf`cZh Y
LAUNCHDfc [fUa žUbX5 gg`WU`DfcZggf"6"5"ZI b]j Yfg]hmcZA]W][Ubž5 bb 5 fVcfž
A "6"5"žFcVfHA cff]g7c`Y[Y/9X"8"7UbX]XUžI b]j Yfg]hmcZA Ya d\]g"**

**GUa `A nuhif%, +E"8]fWmf`cZ5 WXYa]WYfj]Wg`Zf`h Y8YdUfla YbhicZ7cbh]bi]b [`Gh i X]Yg
Gi X]YgUbXDfcZggf`cZ6i g]bYgg5 Xa]b]g]fU]cb"6 c XDF**

8 A hG

7CBH=B I =B ;`GHI 8:9G

%-+

; YbYFU`7cfY"5`Wi fgYk cf_ UHya dhX'a i ghXcWa YbhU7I A ; D5`cZ&S'cf`\| \Y"
HAYUdd`]Wbha i ghVYU`YUgh&(mYUfgZcf`U YUbX'dfcj]XYXcWa YbhUjcb`cZU`YUgi
lk c`mYUfgcZfYy Ubhk cf_ `Yl dY]YbW`

Dfc [fU a `GdYW]UW`Dc`]W]Yg

DfY!6CC@Dfc[fUa`5Xa]gg]cb`U`ck gHfUbgZf`gh XYblgk`c`U`Y Ybchia YhDfc[fUa`
5Xa]gg]cb`fYei]fYa Yblgk`H`U`Y; YbYFU`7cfYUbX9`WMj YgVma YH]b[`cb`mI`bj Yfg]mi
5Xa]gg]cb`fYei]fYa Yblg"7ci fgYgk]`VYcZfYX]b`h`Yy Yb]b[g]b`Vch`Z`"gYa Yghf`
UbX`UWY`YU`hX`Z`fa`Ug`

7fYX]hZcf`Df]cf`@YUfb]b[z7D@za`UmVYUk`UFXXZcf`Yl dYf]YbhU`YUfb]b[i`g]b[`dcfH
Z`]c!g`mYXcWa YbhUjcb`cZ`YUfb]b["Gh XYblg`a`i`ghVYZ`"miUWdhX`UbX`fY]`g`hYX
]b`h`Y`6CC@Dfc[fUa`VZcfYg`Va`]h]b[`h`Y`dcfH`Z`]c"5`a`U`]a`i`a`cZ%`^ci`fga`UmVY
Uk`UFXX`hck`UFXgh`Y6CC@h`fci`[\`7D@"7`YW`k`]h`h`Y`7D@8`]fY`mf`Zcf`Udd`]W]hcb`
UbXZ`"XHU`g`

I`b]cb`I`bj`Yfg]hmdUfh]VdUHg]b`gY`YFU`WYX]hVmYl`Ua`]bUjcb`dfc[fUa`gZ`"ck`]b[`

% - -

7CBH=B I=B ; GHI 8:9G

7CBHBI-B ; 'GHI 8-9G

%)!*!+"GdYU`Gh X]Ygf%(ECb`8 Ya UbX
@ck Yf!`Yj Y'[fci d'gh X]Ygk \]W`Xc`bchUddYUf`]b`h`YfY[i `Uf`XYdUfha YbU`c`Zf]b[g'
'-)!*!+"GdYU`Gh X]Ygf%(ECb`8 Ya UbX
I ddYf!`Yj Y'[fci d'gh X]Ygk \]W`Xc`bchUddYUf`]b`h`YfY[i `Uf`XYdUfha YbU`c`Zf]b[g'

&\$%

.G7<CC@'C:'BI FGB;

88

7\UfchHYKUF@Ufgcbf%- -E'5ggcVUHYDfcZggcf'cZBi fglbl "'8]d'ca U6UdhghiA Y!
a cf]U' < cgd]U/'6'5'zGhd\Ybg'7c''Y]Y'A 'CZHM Ug'K ca Yb]I blj Yfglhm'D'8'zGH'
@ci]glI blj Yfglhm

>I`K YWf%, +E'5ggcVUHYDfcZggcf'cZBi fglbl "'6'GB'ZA i ffUrhGUMI blj Yfglhm'A 'GB'z'
I blj YfglhmCZ9j Ubj]'Y/D' '8'zI blj YfglhmCZHMbYggYZA Ya d\lg'

A]ggjcb' GhUHy a Ybh

H Y a]ggjcb'cZHYGWcc`cZBi fglbl 'lg'hc'VY'YI W`YbW'Xf]j Ybz 7\fg]WbhfYXZ
dYcd'Y]Z'WgXZUbXZ hi fY]X]fYMMX'k \]YdfYdUf]b['ei U]UYX'j]X]j]Xi UgZ'fUWfYfY'
]b'h YWf]b[zh YfUdYi h]VhMUW]b['dfcZggjcb'cZbi fglbl "

7 iff]Wi' i a

H Y dfc[fUa g'cZHYGWcc`cZBi fglbl 'fYUddfcj YX'Vmih YHbbYggY'6cUFX'cZ
Bi fglbl 'UbXUWfX]hX'Vmih Y7ca a]ggjcb'cb'7c''Y]]UH'Bi fglbl '9Xi W]hcb"'77B9'
a UnhVY'WbHUMX'UhcY8i dcbh7]fWZB K 'G]hY)' SZK Ug.]b[hcbz87 &S\$ *!%&S'cf'
&S\$, +*+-%

H Y dfc[fUa 'YUX'g'hc h Y6UWYcf'cZGM]bW]b'Bi fglbl 'XY] fYYfFB 'lc'6GB z6Ug]W
6GB zUbX5 WYfYUhx'fUW'g'H YFB 'lc'6GB hfUW'cZzfUWff]W'i a 'cZgi XmiYUX]b['
lc'h Y6GB Zcf'fY]]ghMYXbi fgYgk \c\U Y] fUXi UHXZca 'UggcVUHYXY] fYYcfX]d'ca U
dfc[fUa g'H YGWcc`cZBi fglbl 'Ugc'cZfgh Y6Ug]W6GB hfUWzUWff]W'i a 'cZgi Xmi
'YUX]b['lc'h Y6GB XY] fYYUg'h YUfghdfcZggjcbU'XY] fYY]b'bi fglbl 'zlc'gi XYb]gk \c'
\U YWa d'YHX'k c'mUfg'cZdfY]bi fglbl 'gh XmiUbX'lc'ei U]UYX'@DB'g'H Y6GB !UWY!
YfUhx'fUW'cZzfUWff]W'i a 'cZ]bh]bgj Ygi XmiZcf'gi XYb]gk \c\U YWa d'YHX'U
VUW'U fUY]b'Ubch Yf'UYX'

H Ybi fglbl 'gi XYb]hei U]UYgUgUZ ``dUf]M]d]Ub]b'h Y]bh'YMI U'Wa a i b]m]cZ
h Y]VfU Uf]gW`Y] Y'Gh XYb]ga Ucf]b[]b'bi fglbl 'g'UfYk]h'ch Yf'gi XYb]gUhi b]cb'&S\$'
I blj Yfglhm]U]Ug]WZci bXU]cb]b'h YgcVU'UbX'd\ng]W'g]MbWgZ'Ug'k Y''Ug]b['YbYfU'
_bck `YX] Y'H YZUW'hmcZHYGWcc`cZBi fglbl 'YdfYggYg'h YVY]YZh Ubi fglbl 'lgU
XnbUa]WX]g]d]bYfYUW]b['WUb] YVUgYX'cb'Ub Y] Yf]Y]dUbX]b['VcXnicZ_bck `YX] Y'
Hfci [\ Udd'W]hcb'cZdf]b]d]YgZca 'h Yd\ng]W'UbX'g'VU'g]MbWgZ'bi fglbl 'lgX]!
fYMMX'k UFX'Yd]b['lc'a Yhgc'W]m]g'YUH bYX'g'H YdfcZggjcbU'bi fgYk]h U6GB'
XY] fYYUdd]Ygdf]b]d]YgZca UX]j YfgYg ddcf]b['Wff]W'i a 'lc'h Yg]MbWcZbi fglbl '
UbXZ' bW]cbgUgUWfYdfcj]XYfza UbU Yfz\YU'h hUWYfzUj cW]hZ'UbXWUb[YU Ybh'
5 ``6GB' dfc[fUa 'hfUW'g'fcej]XY'bi fglbl '_bck `YX] YUbX W]b]W'Y] dY]YbW]g'k \]W'
YbWi fU Y]Y]dUbXXX'fc'YgZ]bbcj U]hcbz'cbcl'hfUX]hcbU' dfU]W'cdccf]h b]h]Ygzi gY'cZ

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H Y6U|gh|Gh XYbhBi fgl| : Y'ck g|d|g'cdYb'lc U' bi fgl| 'UbXdfY|bi fgl| 'gh ! XYb|g'="hd|fcj |XYg'7\|f|gh|Ub Z'ck g|d|dzdfcZ'gg|cbU YXi W|cbU d'fc| fUa g'ZUbX'g'f| |W U|j |hYg|'hYbW'i fU Ygbi fgl| 'dfU|W'Y' c'j |b| Z'ca UdYf'gcbU Wa a |ha Ybhlc >Yg' g' 7\|f|g|'A Y|b|g'UFYa cbh' m'

H YBU|cbU' Gh XYbhBi fYg'5gg'W|cb'fB GB 5E|gh Y'Uf| Ygh YU'h d'fcZ'gg|cbU' gh XYbhcf| Ub|nU|cb|b'h YI b|hX'GUhgUbX'h Ycb'ncbYz'f'bi fgl| 'gh XYb|g'5''VUg|W 6GB 'gh XYb|g|UFYbW'i fU YX'lc d'U|H|U|H' H Ycf| Ub|nU|cb' d'fcj |XYg'cd'cf|h b|lmZ'f' Wb|H|Mi H|b| 'lc'bi fgl| 'YXi W|cbz'lc d'fcj |XY'dfc| fUa g'cZdfcZ'gg|cbU |bhfYghUbX'lc' U|X|'b'h YXY' Ycda YbhcZ'h Yk \c'YdYf'gcbz'h YfY'vmd'fcj |X|b| 'Z'f'h Y'| | \Ygh'ie U|Imi \YU'h 'W'Y' H YWUd|h'f'a Ym'g'a cbh' m'a Ya Vfg'a UniU'g' U'hbX'g|U'UbX'bU|cbU' a Y|b|g'="bUXX|h|cbz'fB lc 6GB gh XYb|g|UFYg'fcb| 'mYbW'i fU YX'lc \c'Xa Ya Vfg'|d' |b HbbYgg'YB i fYg'5gg'W|cb'fB 5E'

Bi @Ca VXU|gUWUd|h'f'cZG| a UH YUHU =bhfbU|cbUz'h YB i fgl| < cbcf'GcV|h'n| h'g'di fdcgYg'UFY'lc' fYW| b|nY'g' dY|cf'UW|Y| Ya Yblz'lc' XY' Ycd' YUXYg'|d'ei U|hYg'z' lc' Z'g'm'f'| \ \ d'fcZ'gg|cbU' g|UbXUF'g'z'lc' YbW'i fU YWU|j Yk cf'_zUbX'lc' g'fYb| h Yb' Wa a |ha Ybhlc' h Y|XYUgUbX'di fdcgYg'cZ'h YdfcZ'gg|cb'"A Ya Vfg'|d' |g'Vni|b| |hU|cb' lc' gh XYb|g'k \c' \U YWa d'YhX'cbY'\UZcZ'h Yi ddYf'X|j |g|cb'bi fgl| 'Wff|W'i a z

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lc fYdYUih Ybcb!W]b]W Wi fgY'h YbYl h]ja Y]h]gcZ2fYX]b h YgWYXi `YXgYei YbWcZ
Wi fgYg"5`gi XYbhk \c fWVj YgU[fUXY`Ygg'h Ub'7]b lk c bi fg]b[Wi fgYgk]`behVY
U`ck YXlc dfc[fYgg]b h YB i fg]b[Dfc[fUa "H: dfc[fYgg'h h YUbu mUf`cZ h Ydfc[fUa z
Ugi XYbha i gh\Uj YUa]b]a i a ; D5`cZ&S"

7cb]bi U]cb]b h Ydfc[fUa]gUgc`Wbh]b[Ybhi deb`Wa d]UbWk]h`Yh]W`UbX
dfcZgg]cbU`g]UbXUfXgcZWbXi W`Gi XYblgk \c fYa cj YgWcc`cf`\cgd]U`dfcdYfmi
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g W`ggZ`k]h`h`YUWY`fUH`X`dfc[fUa `a`UhlDd`mrc`Ybhf`h`Y6Ug]V6GB`Dfc[fUa`h`U
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5`dfUM]W`\UbXg]cb`Y`dYf]YbWXYg[bYXlc`h`UW`h`Ybi fg]b[]g`]`gbW`gg]f`m`Z`cf`bi`fg
]b[`dfUM]W]b`h`YW`fYcZ]bX]j]X] UgcZU`U`Y[fci dg]b`X]j`YfgY`g]h]b[]g`Gi`XYbhk`cf`_
k]h`ZU`h`mrc`dYfZ`fa`g]Y]U`W]b]W`g`]`gi`g]b[]g]Wbh]U`Wdf]b]Wd`YgVUg]Wc`bi`fg]b[`
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DfYfYei]ghY`5`Xa]gg]cb`lc`&X`6UWY`cf#g`5`WY`fUH`X`6GB`HUW
: cW`g`cb`h`Ybi fg]b[]b]h]f] Yb]h]cbg]UbX`g`]`gbW`gg]f`m`Z`cf`bi`fg]b[`dfUM]W]b`h`YW`fY
cZ]bX]j]X] UgcZU`U`Y[fci dg]b`X]j`YfgY`g]h]b[]g`-b]fc`Xi`W]cb`c`Z`h`Ybi fg]b[`dfcW`gg
dfcj]X]g`U`V`U`g`Z`cf`X]j`Y`cda`Ybhc`Z`X`Y`g]cb]a`U`]b[`UbX`W]h]W`h`]b`]b[]g`]`g]b`h`Y
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6Udhgh`H`Yc`c| |W`Gya |bUfm`8`D\`|Z| b|j YfglmcZC| z`fX`

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X|j |Xi Ug` -b`Ua cgh`y YfmUYX| a` YX|VbYz`YXi W|Hcbz`Vi g|bYggz`dc`|H`Vz`UbX`Yw!
bca |W| h`Ya Uef|ImicZdYed`Y`U`| Y`X|ZUW`hm`cc`_|b| `V`ncbX`h`Y`bUffek` `Wb`Ub`Yg`
cZ`h`Yf`dUf|W`U`f`YU`cZ|bhfYg|UbX`Y| dYfhgY`tc` `Wa`dfY`YbX` \ck` `h`Y`d|YWg`cZ`h`Y`
di`m`Y`cZ`a` a`Ub`Y`|g|hbW`U`h|c| `Y`h`Yf`"5`g`U`f`Yg` `z`h`Y`mg| `Z`f`h`Y`X`V`|`|H|b| `gna`d!
hca`g`cZ`X`Y`a` a`U|nU|cbz`g`VU`Z`U`a` Yb|U|cb`UbX`a` |gX|fYW|cbz`UbX`h`Y`| `Yb`YfU`"cgg`
cZ`di`fdcgY`|b`"Z`"6m`YbU`V`|b| `g|`i`Xyblg`tc`dYfW|j`YU`V`c`U`K`Y`f`d|W|f`Y`cZ` \ck` `j`U`|c|`g`
U`Y`X`g`cZ`U`W`X`Y`a` |W`bei`|fm|bhfYf`U`h`z`h`Y`-bhfX|gW|d`|bUfm`< cbcfg`Dfc| fUa` `Yb|f|WYg`
h`Ya` `|bh`Y`W`U`m`l`b`X`g`|f`|h`U`m`l`b`X`Y`d`g`h`Ya` `U`c|X`h`Y`d`|ZU`g`UbX`W`b`g`Y`e| `Yb`Wg`
cZ`h`i`bbY`j`|g|cb`"

H`Y`-bhfX|gW|d`|bUfm`< cbcfg`Dfc| fUa` `Wa`V|bYg`a` Y`h`c`Xg`cZ`h`UW|b| `g`W`U`g`h`Y`
Gc`WU|W`a` Y`h`c`Xz`c`| |W`b`X`X|U`Y`W`V`h`i`h`c`f|U`g`z`a` Y`b`c`f|b| `z`Y`m`f`y`g`z`g`a` |b`U`g`z`UbX`X|g|
W`g`g|cb| `f`c`i`d`g|b`c`f`X`f`h`c`d`f`c`X`i` W`h`Y`|`|` \`Y`g`h`X`Y`f`Y`c`Z`U`W`X`Y`a` |W`g`W`g`"H`Y`d`f`c| fUa`
|g`X`Y`g| b`Y`X`h`c`V`Y`z`e`f`n`Y`U`f`g|b` `Y`b| `h`h`c`Y`b`W`i`f`U`Y`U`g`c`|X`X`Y`Y`c`d`a` Y`b`h`c`Z`h`Y`g`i`X`Y`b`h`g`
b`c`k` `X`Y`Y`V`U`g`Y`b`X`W`|H`W`h`|b`|b| `U`d`U`f`U`i`g`"

A|gg|cb`GhU`Y`a`Y`bh`

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&%, g`Y`g`|X`Y`g`Ub`X`g`h`i`U`h`c`b`g`W`|H`W`m`l`b`X`h`c`h`|b`_`U`c`i`h`h`Y`g`Y`W`U`h`j`Y`m`l`b`X`h`c`Y`b`W`i`f`U`Y`
g`i`X`Y`b`h`g`tc`h`|b`_`Z`Y`m`l`b`X`W`b`g`f`i`W`j`Y`m`l`U`c`g`U`W`X`Y`a` |W`X|g`W`d`|b`Y`g`"5`h`|f`X`Ub`X`U`!
Y`b`W`a`d`U`g`|b| `c`U`|g`h`c` \`Y`d`g`i`X`Y`b`g`i`b`X`Y`f`g`Ub`X` \ck`U` `f`i`h`h`|g`c`X`Y`g`f`i`h`"6`W`U`g`Y`
c`i`f`7`f`|g`|Ub`W`b`Z`g`g`cb` \c`X`g`h`U`i`c`X`|g`h`Y`W`U`c`f`Ub`X`g`g`U`b`Y`f`c`Z`h`Y`i`b|j`Y`f`g`Y`g`
k`Y` `U`g`h`Y`f`X`Y`a`Y`f`c`Z`a`a`Ub`_`|b`X`z`h`|g`a`Y`b`g`h`U`i`c`i`f`d`i`f`g`|h`c`Z`f`i`h`k`|` `U`k`U`h`g`Y`
|c`j`Y`b`Y`X`V`m`h`Y`W`b`h`M`h`c`Z`h`|g`W`b`Z`g`g`cb`"

Dfc|fUa`5`W`Y`Y`d`h`U`b`W`Y`F`Y`e`i`|f`Y`a`Y`b`h`g`U`b`X`G`h`U`b`X`U`f`X`g`

A`Y`a`Y`f`g`c`Z`X`Y`d`U`f`h`a`Y`b`g`U`M`c`g`g`h`Y`I`b|j`Y`f`g`|h`m`g`f`j`Y`U`g`Z`U`W`m`l`b`X`a`Y`b`c`f`g`Z`f`g`h`!
X`Y`b`g`|b`h`Y`-bhfX|gW|d`|bUfm`Gh`X|Yg`Dfc|fUa` "H`Y`d`f`c|fUa` `|g`X`Y`g|b`Y`X`h`c`V`W`U` `Y`b|`|b|`
Ub`X`|b`h`b`g`j`Y`":`c`f`h`|g`f`Y`g`c`b`z`c`b`m`g`Y`W`d`Y`f`g`c`b`g`U`Y`|b`j`|h`X`h`c`d`U`f`|W`U`h`Y`%`:`f`Y`g`a`Y`b`
g`i`X`Y`b`g`k`|h`Ub`5`7`H`M`c`Z`g`c`f` \`|` \`Y`f`c`f`U`f`W`f`X`c`Z`Y`W` `Y`b`W`|b`U`W`X`Y`a` |W`k`c`f`_`z`Ub`X`
&`g`Y`W`b`X`g`Y`a`Y`g`h`f`Z`Y`g`a`Y`b`k` \c` \`U`Y`U`");`D5`"H`U`b`g`Z`f`c`f`c`h`Y`f`g`i`X`Y`b`g`k` \c`X`Y`g`f`Y`
U`X`a`|g`g`cb`a`i`g`h`d`Y`|h`c`b`h`Y`8`|f`Y`W`f`"H`Y`U`b`U`X`W`|g`c`b`h`c`U`X`a`|h`U`b`n`g`i`X`Y`b`h`f`Y`g`g`k`|h`
h`Y`-bhfX|gW|d`|bUfm`< cbcfg`7`c`i`b`W`f`h`c`7`E`z`k` \`|W`|g`U`d`c`|b`h`X`V`m`h`Y`d`f`c`c`g`h`c`f`h`Y`
d`i`f`d`c`g`c`Z`X`Y`h`f`a`|b|b|`h`Y`d`f`c|fUa` `|g`d`c`|W`Y`g`z`g`Ub`X`U`f`X`g`|i`|X`Y`|b`Y`g`z`Ub`X`|c`U`g`"

G`i`X`Y`b`g`U`X`a`|h`X`|b`h`c`h`Y`d`f`c|fUa` `U`Y`Y`d`W`X`h`c`a`U`b`h`|b`U`|f`U`K`Y`U`Y`U`Y`c`Z`i`6`i`
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Trustees Emeritus

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