

J Z6 'Ghi hh[Ufh': fUi Yb 'gWX Y]XYb 'bUWX '%. & [Y[Yb 'A U]bn']a '8: 6!Dc_U`'Ui g

8]Y'JZ6!: fUi Yb'j Yf`]YfYb']a '8: 6!Dc_U`[Y[Yb'A U]bn'\$) 'a]h % &"'Hfchn'[i hYf'7\UbWb'gWXY]XYh'XUg'HYUa ']b'XYf'YfghYb Fi bXY'Ui g"

8 UgʻA UhW ZUbXʻ]bʻY]bYa ʻUb[YgdUbbhYbʻ5a V]YbhYʻghUhhžXUg hfchnʻXYfʻB]YXYfʻU[YʻY]bYʻ[fc» YʻI bhYfghØhni b[ʻj cbʻXYbʻ: Ubg YfZÀ\fh" \dig g[YgUa h'_Ua Ybʻ+, %'Ni gW Ui Yfžʻi a ']\fYʻHYUa g Ubni ZYi Yfbžʻi bXʻX]Yʻ5ha cgd\ÀfYʻk UfʻVYa Yf_Ybgk Yfh" I bhYfghØhni b[ʻ]ghʻ]bʻgcʻW Y]bYa ʻA ca Ybhʻc Zhʻ[cʻXk Yfhž VYgcbXYfgʻk Ybbʻa UbʻbUW Y]bYfʻB]YXYfʻU[YʻUi ZʻXUgʻbÀW ghY Gd]YʻgW]Y`h"

8 Yf Gd]Y i Yf Ui Z

 $\begin{tabular}{ll} J cb $^{5}bZ Ub[$^{1}Ub $^{1}Xca $]b]YfhYb $^{1}X]Y $^{1}Ghi $hh[UfhYf]bbYb $^{1}X]Y $^{6}Y[Y[bi b[i bX $^{1}NY][hYb $^{1}[fc $^{1}Y $^{1}]bbYb $^{1}XYb $^{1}Yf]hYb $^{1}YYf]hYb $^{1}YYf]YfhYb $^{1}YYf]hYb $^{1}Yf]hYb $^{1}Yf]hYb $^{1}Yf]hYb $^{1}Yf]hYb $^{1}Yf]hYb ^{1}Y

 $bUWX Y]bYa "9W_ghc" YfZc`[fY]WX k Uf" 8]Yg'k UfY]b'K YbXYdib_hž XU'X]Y'Ghi hh[UfhYf]bbYb'V]g'XU\]b'a Y\f'j ca "Gd]Y``\UhhYb"$

 $8]Y `nk Y]hY `< U`VnY]h`VY[Ubb`ZØf`X]Y `J Z6!Gd]Y`Yf]bbYb \\ j]Y`j YfgdfYW\YbX" I a gc`Zfi ghf]YfYbXYf`k Uf`Ygž`U`g`:]b^U`8fch\YY K Y]» `]b`XYf`* &"`A]bi hY`XUg`&.$`ZØf`A U]bn`Yfn]Y`hY"`8]Y`Ghi hh[UfhYf 8 Ua Yb``]Y» Yb`g]W\`YXcW\`b]W\h`Ybha i h][Yb`i bX`_Aa dZhYb k Y]hYf\]b`Yb[U[]Yfh"`A UbXm`=g`UW_Yf`[Y`Ub[`]b`XYf`* +"`A]bi hY`XYf j YfX]YbhY`5bgW\`i gghfYZZYfž`XcW\`X]Y`NY]h`fY]W\hY`b]W\h`a Y\f`Ui gž i a `XYb`F<math>\emptyset$ W_ghUbX`Ui Zni \c`Yb"

8 UgʻHfU]bYfhYUa ʻXYgʻJ ZóʻGhi hh[Ufh'Ài » YfhYʻg]WXʻbUWXʻXYa ʻGd]Y`ni ʻXYbʻ< Ò\Ybʻi bXʻH]YZYbʻXYfʻDUfh]Y"'< Y]_cʻ; YfVYfžʻXYf 7\YZhfU]bYfʻXYfʻJ Zó!: fUi YbžʻVYa Yf_hY.ʻ K]fʻ\UhhYbʻa Y\fYfY 7\UbWYbʻi bXʻY]bYʻgY\fʻ[i hYʻ5bZUb[gd\UgY"'5a ʻ9bXYʻa ØggYb k]fʻYXcWXʻUbYf_YbbYbžʻXUggʻA U]bnʻXUgʻ; `ØW_ii bXʻX]Y ?cbnYbhfUh]cbʻ\UhhYži a ʻZØfʻg]WX'ni ʻdi b_hYb" `8YfʻGdcfh[Y]ghž XYbʻX]YʻGhi hh[UfhYf]bbYbʻUbʻXYbʻHU[``Y[hYbžʻ]gh'Y]bʻ; fi bXdZY]`Yfž Ui ZʻXYa ʻg]Yʻ]bʻni _ØbZh][YbʻGd]Y`YbʻUi ZVUi Ybʻ_ÒbbYb"

8]Y'Gh]a a Y'j cb'A U]bn'\$) ž'7\YZhfU]bYf'HU_Ug\]'MJa Ug\]hUž'nY][hYg]W\'YVYbZU``g'ni Zf]YXYb.' K]f'k i gghYbž'XUgg'XYf'J Z6'ghUf_']ghž UVYf'i bgYfY'_cbnYbhf]YfhY'5Vk Y\f'i bX'X]Y'Bi hni b['j cb GhUbXUfXg]hi Uh]cbYb'k UfYb'YbhgW\Y]XYbXž'i a 'X]YgYg'Gd]Y``ni ØVYfghY\Yb" '8]Yg'i bhYfghfY]W\hž'k]Y'k]W\h]['hU_h]gW\Yg'Gd]Y``i bX HYUa UfVY]h']b'YbhgW\Y]XYbXYb'A ca YbhYb'g]bX"

9]bY'k Y]hYfY'dcg]h]j Y'Gh]a a Y'_Ua 'j cb'J Z6!Gd]Y`Yf]b'\lbU GdYb[`Yf"'G]Y'gU[hY\tiXUgg'X]Y'A UbbgW\UZh'k]XYfghUbXgZ\\]['gY] i bX'Ub']\fYb'Gh\f\f_Yb'UfVY]hYb'a \@ggY\ti]bgVYgcbXYfY'VY] GhUbXUfXg\tiX]Y'VYgcbXYfg']b'gc`W\'Yb[Yb'Gd]Y`Yb'XYb I bhYfgW\]YX'Ui ga UW\Yb'_\ObbYb"'Hfchn'XYf'B]YXYf`U[Y VYnY]W\bYhY'g]Y'XUg'Gd]Y`'U`g'\YfUi gfU[YbXYg'9f`YVb]g'j cf'Y]bYf `Y]XYbgW\UZh`]W\Yb'?i `]ggY"

8]Y'Ghi hh[UfhYf]bbYb'k YfXYb'Yhnh']\fY'@Y\fYb'Ui g'X]YgYf B]YXYf`U[Y'n]Y\Yb'a ØggYb'i bX'g]W\'Ui Z'X]Y'_ca a YbXYb'Gd]Y`Y _cbnYbhf]YfYbž'i a ']\fY'N]Y`gYhni b[Yb'j c``Yf'9`Ub'Ubni [Y\Yb"

9]b'Ui ZfY[YbXYg'9f`YVb]g'hfchn'B]YXYf`U[Y

CVk c\`X]Y: fUi Yb XYg J Z6 Ghi hh[Ufh b]W h X]Y Yf\cZzhY Di b_hnU\`
Ui Z XYa ? cbhc j YfVi W Yb _cbbhYbž k Uf XUg 9f YVb]g XYg Gd]Y g
gY\f]bhYbg]j "8]Y 5i Za Yf_gUa Yb i bX `Y]XYbgW UZh]W Yb : Ubgž
X]Y g]Y UbZYi YfhYbž gW UZZYb Y]bY J YfV]bXi b[ž X]Y k Y]h ØVYf XUg
9f[YVb]g \] bUi g[Y\h i bX ZØf A ch]j Uh]cb]b ini _ØbZh][Yb
6Y[Y[bi b[Yb gcf[h" 9g]gh k]W h][ž XUgg X]Y A UbbgW UZh Ui W
Ui g \YfVYb B]YXYf U[Yb ? fUZh n]Y\h i bX [Ya Y]bgUa]a HYUa
k Y]hYf Ub]\fYb N]Y Yb UfVY]hYh" 8]Y , VYfnYi [i b[i bX XYf
HYUa ni gUa a Yb\U`hž X]Y g]Y k À\fYbX XYg Gd]Y `g [YnY][h \UVYbž
g]bX K YfhYž X]Y g]Y]b X]Y b W ghYb < YfUi gZcfXYfi b[Yb
a]hbY\a Yb _ObbYb"

± XYf YfghYb F i b XY XYg 8: 6! Dc_U`g`hfUZYb X]Y J Z6 : fUi Yb 'Ui Z XYb '%": GJ 'A U]bn '\$) "'Hfchn 'Y]b Yg Yb [U[]YfhYb '5 i Zhf]hhg Yb XYhY XUg 'Gd]Y`a]h Y]b Yf B]Y XYf`U[Y 'ZØf 'X]Y 'Ghi hh[UfhYf]b b Yb "'8 Yf : c_i g``U['YXc W 'b]W h b i f 'Ui Z'XYa '9f[YVb]gž gcb XYfb 'Ui W 'Ui Z XYb '< YfUi gZcfXYfi b[Yb 'i b X 'DYfgd Y_h]j Yb Z'X]Y 'g]W 'Ui g'X]YgYa Gd]Y``Yf[YVYb"

8 Ugʻ5i ZhfYhYbʻXYfʻJ Zóʻ: fUi Ybʻ_ObbhYʻUʻgʻ<]bk Y]gʻUi ZʻX]YʻGhÀf_Ybi bXʻGWk kÀWXYbʻXYgʻHYUa gʻ]bʻX]YgYfʻGU]gcbʻ[YXYi hYhʻk YfXYbʻ' KÀ\fYbXʻg]Yʻ]bʻXYbʻYfghYbʻGd]Yʻa]bi hYbʻghUf_ʻU[]YfhYbʻi bX nU\`fY]WXYʻHcfWXUbWYbʻ\YfUi ggd]Y`hYbžʻ\UhhYbʻg]Y GWk k]Yf][_Y]hYbžʻX]YgYʻ]bʻNÀ\`VUfYgʻi a ni kUbXY`bʻ'8]Y AUbbgWXUZhʻgWX]YbʻØVYfʻk Y]hYʻGhfYW_YbʻXYgʻGd]Y`gʻX]Yʻ?cbhfc``Y ni ʻ\UVYbžʻXcWXʻ: UhU`gWXb]hnYfʻ]bʻXYfʻ8YZYbg]j Yʻi bXʻX]Y 9ZZY_h]j]hÀhʻj cbʻA U]bnʻVY]ʻGhUbXUfXg]hi Uh]cbYbʻZØ\fhYb gWX`i gqYbX`]WX`ni fʻB]YXYf`U[Yʻ'

Gd]Y`UbU`mgYibX'@Y]ghib[ggWkkYfdib_hY

]bgVYgcbXYfY']b'XYf'CZZYbg]j Y'ØVYfnYi [hYbž'k À\fYbX'g]Y']b'XYf 8YZYbg]j Y'Ub'GhUV]`]hÀh'j Yfa]gghYb"'8]Y'nk Y]'; Y[YbhcfY'Z]Y`Yb'ni Y]bYa 'NY]hdi b_hž'U`g'X]Y'Ghi hh[UfhYf]bbYb']a 'Gd]Y`Ui ZVUi 'ghUf_ k UfYb'i bX'g]W\']a a Yf'k]YXYf'Hcfa Ò[`]W_Y]hYb'\YfUi ggd]Y`hYb" 8]Y'@Y]ghi b['j cb'A UbXm'=g`UW_Yfž'X]Y'XYb'5bgW\`i gghfYZZYf Yfn]Y`hYž'k Uf'Y]b'@]W\hV`]W_ž'XYf'nY][hž'XUgg'X]Y']bX]j]Xi Y``Y'?`UggY]a '?UXYf'j cf\UbXYb']gh"

8 Yf 'HfU]bYf 'XYf'J Z6': fUi Ybž' < Y]_c'; YfVYfž'\]YV'X]Y
B chk YbX][_Y]h'Ubž'X]Y'7\UbW'b'VYggYf'ni 'bi hnYb'i bX'X]Y
GhUbXUfXg'ni 'j YfVYggYfbž'i a 'ni _ØbZh]['YfZc`[fY]W\Yf'ni 'gY]b"
K]f'\UhhYb'gY`Vgh'[YbØ[YbX'7\UbW'b'i bX'Y]bY'gY\f'[i hY
5bZUb[gd\UgYž']b'XYf'k]f'\ÀhhYb']b': Ø\fi b['[Y\Yb'a ØggYbž
_ca a Ybh]YfhY'Yf'bUW\'XYa 'Gd]Y`"8]YgY'K cfhY'nY][Ybž'XUgg'XUg
HYUa 'Ub'XYb'8YhU]`g'UfVY]hYb'a i ggž'i a ']b'Yb[Yb'Gd]Y`Yb'X]Y
C VYf\UbX'ni 'VY\U`hYb'i bX'b]W\h'Ui Z'X]Y'?cbhYf'XYg'; Y[bYfg'ni
j YfhfUi Yb"

 $8]Y `GhUh]gh]_ `V`Y]Vh`XUVY] `b]Wkh`i bVYfØW_g]Wkh][h"`9]bY`\c\Y 5bnU\``Ub`HcfgWkØggYb`ff%) Ł`]a `JYf[`Y]Wk`ni `A U]bn`$) `fhŁ i bhYfghfY]Wkh`X]Y `8 ca]bUbn`]a `Gd]Y`Ui ZVUi ž`YXcWk`b]Wkh`]b`XYf 9ZZ]n]Ybn"`5i » YfXYa `k Uf`X]Y`DUgg[YbUi][_Y]h`XYf Ghi hh[UfhYf]bbYb`a]h`+*ı `]a `JYf[`Y]Wk`ni `*(ı `XYf`A U]bnYf YVYbZU``g`VYa Yf_Ybgk Yfh"`8 cWk``Yhnh`]Wk`nÀ\`Yb`HcfYž`i bX`[YbUi XU`\UdYfhY`Yg`ZØf`X]Y`J Z6`: fUi Yb"$

: Un]h'i bX'5i gV`]W_'Ui Z'X]Y'GU]gcb

8]Y`B]YXYf`U[Y`]a `8: 6!Dc_U``gc``hY`U`g`@YfbdfcnYgg`ZØf`X]Y`J Z6
: fUi Yb`X]YbYb"`9]b`gc`]XYf`GhUfh`k Y]gh`Ui Z`XUg`DchYbn]U``\]bž`XUg
]a `HYUa `ghYW_hž`UVYf`X]Y`< YfUi gZcfXYfi b[Yb`i bX`X]Y
Bchk YbX][_Y]h`ni f`J YfVYggYfi b[`g]bX`_`Uf`Yf_YbbVUf"`\D`Ni _i bZh
k]fX`Yfk UfhYhž`XUgg`X]Y`Gd]Y`Yf]bbYb`X]Y`dcg]h]j Yb`5gdY_hY`Ui g
X]YgYa `Gd]Y``VY]VY\U`hYb`i bX`[`Y]W\nY]h][`X]Y`@Y\fYb`Ui g`XYb
: Y\`Yfb`n]Y\Yb"

8]Y'Gh]a a Yb'j cb'Gd]Y`Yfb'i bX'HfU]bYf'nY][Yb'Y]b'ghUf_Yg Ni gUa a Yb[Y\Of][_Y]hq[YZO\`i bX'XYb'K]``Ybž'q]W\'ni

j YfVYggYfb" *JbU GdYb[`Yf fYgØa]YfhYž Hfchn XYf B]YXYf`U[Y Y]b hc ``Yg '9f`YVb]g 'ZØf i bgž 'k Ug 'X]Y 'dcg]h]j Y '9]bghY ``i b['i bX 'XYb HYUa [Y]gh i bhYfghfY]Wk h" : Øf 'X]Y _ca a YbXYb 'Gd]Y `Y ']b 'XYf 6i bXYg`][U ']gh Yg 'YbhgWk Y]XYbXž X]YgY '9bYf[]Y 'ni '_UbU`]g]YfYbž i a 'di b_hYb 'ni '_ObbYb i bX 'X]Y 'YfghYb '9fZc`[Y 'XYf 'GU]gcb 'ni ZY]Yfb" '8]Y 'J Z6 : fUi Yb '\UVYb 'X]Y 'A O[`]Wk_Y]hž X]Y ']b 'X]YgYf 'YfghYb Fi bXY '[Y`YfbhYb '@Y\fYb ']b 'XYb 'bAWk ghYb 'A UhWk Yg 'Ubni k YbXYb i bX ']\fY 'N]Y `Y ']b 'XYf '`Ui ZYbXYb 'GU]gcb 'ni 'j Yfk]f_`]Wk Yb"

8 Y hU]`q

6Ygi WXYb G]Y i bg Ui Z b!U["XY