

; U`Yf]U;]Y» Yb gWX Ui h cdh]a]gh]gWX]b X]Y Ni _i bZh bUWX =bgc`j Ybnj YfZU\fYb

BUWX 'XYa '5VgWX `i gg'XYg' \(\phi gc \) Ybnj YfZU\fYbg'_Ubb'g]WX 'X]Y
;]Y \(\text{Y bY f': } \)]U \(\text{Y Ua 'GY hY fghc f'k } \) YXY f'Ui Z' \(\text{C_U Y 'H\ Ya Yb} \)
\(\text{c bnYbhf} \) YfYb"

8]Y'GhUXh';]Y» Yb'_Ubb'Ui ZUha Yb. '8 Ug' \(\) gc`j Ybnj YfZU\fYb'XYf; U`Yf]U']gh'YfZc`[fY]W\'UV[YgW\`cggYb'k cfXYbž'i bX'X]Yg'Vf]b[h bYi Y'DYfgdY_h]j Yb'ZØf'X]Y'`c_U`Y'; Ya Y]bgW\UZh'''Jcb'XYa '9bXYXYg'JYfZU\fYbg'dfcZ]h]Yfh'b]W\h'bi f'XUg'I bhYfbY\a Yb'gY`Vghž gcbXYfb'Ui W\'X]Y'?i bX]bbYb'i bX'?i bXYb'gck]Y'X]Y A]hUfVY]hYf]bbYb'i bX'A]hUfVY]hYf'XYf':]`]U`Y'Ua 'GY`hYfghcf''

; YgWXÀZhgZØ\fYf'AifUh'5jW]'gdf]WXh'ØVYf'X]YbÀWXghYb'GWXf]hhY

A i fUh'5j Wjž'XYf'; YgWX À ZhgZØ\fYf'XYf';]Y» YbYf':]`]U`Yž'nY][h'g]WX YfZfYi h'ØVYf'X]Y'dcg]h]j Y'K YbXY"' K]f'_ÒbbYb'i bg'Yhnh'Ui Z i bgYfY'`c_U`Yb'H\Ya Yb'_cbnYbhf]YfYb ž'ZfYi h'g]WX'5j Wj'bUWX'XYf A]hhY]`i b['XYf'NYbhfU`Y'Ui g'9ggYbž'X]Y'XUg'9bXY'XYg \dip gc`j Ybnj YfZU\fYbg'VY_Ubbh[UVž'a]h'K]f_i b['ni a '%"'5i [i gh" A]h'X]YgYf'BYi Ui gf]WX hi b['a ÒWXhY'XUg'I bhYfbY\a Yb'k]YXYf j YfghÀf_h'Ui Z'X]Y'6YXØfZb]ggY'XYf'; Ya Y]bgWXUZh'Y]b[Y\Yb"

8]Y 6YXYi hi b[ZØf X]Y ;]Y » YbYf K]fhgW UZh

8]Y'GWX`]Y»ib['XYg'±bgc`j Ybnj YfZU\fYbg'VYXYi hYh'Y]bY
GhUV]`]g]Yfib['ZØf'X]Y'fibX'%&"\$\$\$`A]hUfVY]hYf]bbYb'ibX
A]hUfVY]hYfž'X]Y']b'XYb', ''; U`Yf]U'K UfYb\ÀigYfb
XYi hgWX`UbXk Y]h'VYgWXÀZh][h'g]bX"'±bgc`j Ybnj Yfk U`hYf'GhYZUb
8Yb_\Uig'VYhcbhY'X]Y'[i hY'k]fhgWXUZh`]WXY'5i g[Ub[g`U[Yž'X]Y

XUgʻl bhYfbY\a YbʻbUW\`Y]bYfʻYfZc`[fY]W\Ybʻ5bdUggi b[ʻXYf?cghYbghfi_hi fʻYhnhʻ[Yb]Y»Ybʻ_Ubb" 8]YgYʻdcg]h]j Yʻ9bhk]W_`i b[Yfa Ò[`]W\hʻYgʻi bgžʻbYi YʻK Y[Yʻni '[Y\Yb žʻgcʻ8Yb_\Ui g"

8]Y'< YfUi gZcfXYfi b[Yb'Ua 'GY`hYfghcf

5``YfX]b[g'[]Vh'Yg'Ui W\`<YfUi gZcfXYfi b[Yb"'\dot\XYf';]Y\YbYf
:]']U`Y'\Uh'g]W\`]b`XYb'j Yf[Ub[YbYb'AcbUhYb'j]Y``j YfÀbXYfh''8Yf
; YgW\ÀZhgZ\fYf'5j W]`VYf]W\hYh'j cb'Y]bYf'J]Y`nU\``Ub
JYfUbghU`hi b[Ybž'X]Y'X]Y': fYei Ybn']a '; YgW\ÀZh'ghY][Yfb'gc``hYb"
8]YgY'JYfUbghU`hi b[Yb'k i fXYb'YXcW\'j cb'XYf'6Ui ghY``Y'Z\fX]Y
: Yfbk Àfa Y'i bX'XYb'XUa]h'j YfVi bXYbYb'UfW\Àc`c[]gW\Yb
: i bXYb'\OVYfgW\UhhYhz'k Ug'ni 'Y]bYf'b]YXf][YfYb'?i bXYbZfYei Ybn
Z\O\fhY"'Hfchn'X]YgYf'GW\k]Yf][_Y]hYb'nY][h'g]W\'XYf
; YgW\ÀZhgZ\O\fYf'ni j Yfg]W\h`]W\. K]f'g]bX'bUh\fYf`]W\'Zfc\z'k Ybb
X]Y'6Ui ghY``Y'VYYbXYh']ghz'j cf'U``Ya 'a]h'6`]_U'Ui Z'X]Y
VYj cfghY\YbXY'<YfVghgU]gcb"

?ccdYfUh]cbYbibXNi_ibZhgdYfgdY_h]jYb

#Didi bWhc Ni _i bZhid`Ubh; U`Yf]Užig]WX ighÀf_Yf'Ui ZigY]bY
?Yfb_ca dYhYbnYbini '_cbnYbhf]YfYb" K]f'k YfXYbiXi fWX ighUf_Y
DUfhbYfgWX UZhYbii bX 'Gcfh]a YbhgYfk Y]hYfi b[YbiXUg
9]b_Ui ZgYf`YVb]g'ZØfii bgYfY'?i bXYbij YfVYggYfb žigc 'C`]j]Yf'J Ub
XYbi6cggWXYži79Cij cbi; U`Yf]U" '5bZUb['C_hcVYfik]fX ini XYa 'XYf
J Yf_Ui ZiXYfiFY]gYVØfcg'Ub'XYb'5857'< YggYb!H\Øf]b[Yb
k]f_gUa "'8]Ygik]fXiXYfi; U`Yf]U'Yfa Ò[`]WXYbžig]WXij c``i bXi[Ubn
Ui ZiXUgiK UfYb\Ui g[YgWXÀZhini 'Zc_i gg]YfYbžik À\fYbXiX]Y
FY]gYVØfcgi]\fYbi[Yk c\bhYb'GYfj]WYii bhYfiY]bYfibYi YbiA Uf_Y
ZcfhZØ\fYb"</pre>

9]b 'dcg]h]j Yg 'G][bU` 'ZØf 'X]Y ``c_U`Y ; Ya Y]bgW UZh

 ghÀf_YfY``c_U`Y`JYfUbghU`hi b[Yb'jYfXYi h`]WXYb`XUgʻ9b[U[Ya Ybh j cb'; U`Yf]Už``Ub[Zf]gh]['Y]bY'5b`Ui ZghY``Y'ZØf`X]Y'; Ya Y]bgWXUZh`ni V`Y]VYb"'5j W]'gWX`]Y» h`cdh]a]gh]gWX`UV. 5a '9bXY'XYg'HU[Yg']gh XUg'JYf`Y[Yb'j cb': Yfbk Àfa Y`Y]hi b[Yb'Y]b'GWXf]hh']b'X]Y Ni _i bZh"

B5;

8 Y hU] `c

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