

6fØW_Yb'VUi Yb.; Ya Y]bgUa 'ZØf'Y]bY ghUf_Y'FY[]cb']b';]Z\cfb'i bX'K c`ZgVi f[°

±b 'GU`n[]hhYf 'ghUfhYh'XUg 'Dfc 'Y_h' 6fØW_Yb 'VUi Yb ž'i a fY[]cbU`Y 'I bhYfbY\a Yb 'i bX 'gcn]U`Y '9]bf]W\hi b[Yb 'ni j YfbYhnYb" '8 YUX`]bY. '&%" 'A U]"

GU`n[]hhYfž'8Yi hgWX`UbX'!

± XYf FY[]cb;]Z\cfbž K c`ZgVi f['i bX DY]bY ghUfhYh XUg Dfc Y_h 6fØW_Yb VUi Yb ž XUg XUfUi Z UVn]Y hž fY[]cbU`Y I bhYfbY\a Yb i bX gcn]U`Y '9]bf]W\hi b[Yb ni gUa a Ybni Vf]b[Yb" K]Y 'X]Y 'K 5N VYf]W\hYhž _ ObbYb I bhYfbY\a Yb]\fY A]hUfVY]hYbXYb 'ZØf Y]bYb HU['j cb 'XYf '5fVY]h 'ZfY]ghY ``Ybž i a 'Y\fYbUa h`]W\ ']b 'gcn]U`Yb 9]bf]W\hi b[Yb 'hÀh]['ni 'k YfXYb"

8 Ugʻ5i Z[UVYbZY`X`i a ZUgghi bhYfʻUbXYfYa `XUgʻGhfY]W\Ybʻj cb FÀi a Ybž'X]YʻDZY[Yʻj cbʻ6]chcdYbž'XYbʻ6Ui ʻj cbʻ< cW\VYYhYbž'X]Y Cf[Ub]gUh]cbʻj cbʻ5i gZØ[Ybʻgck]YʻX]YʻFYbcj]Yfi b[ʻj cb Gd]Y`\Ài gYfb"`Gcn]U`Yʻ9]bf]W\hi b[Yb`\UVYb`V]gʻni a `&%"`A U]`X]Y A Ò[`]W_Y]hž']\fYʻDfc Y_h]XYYbʻY]bni fY]W\Yb"`Ni `XYb hY]`bU\a YVYfYW\h][hYbʻGhÀXhYbʻ[Y\ÒfYbʻ;]Z\cfbž'DY]bYž K c`ZgVi f[žʻ6fUi bgW\k Y][žʻGU`n[]hhYfʻi bX`K c`ZYbVØhhY`"

JYfbYhni b[i bX JYfUbghU`hi b[Yb

: Øf → hYfYgg]YfhY k]fX Y]bY 6Ui !6YgdfYW i b['Ub[YVchYbžX]Y dYf J]XYc_cbZYfYbn]b XYf A]hhU[gnY]h ghUhhZ]bXYh K Y]hYfY → Zcfa Uh]cbYb i bX X]Y 5ba Y Xi b[XUni g]bX Ui Z XYf K YVgY]hY j cb 6fØW_Yb VUi Yb i bhYf k k k "Vfi YW_Yb!VUi Yb!cb`]bY "XY j YfZØ[VUf" 8]Y 6YgdfYW i b[\UhY]bY 8Ui Yf j cb \underset \$\text{A}]bi hYb i bX

_`Àfh`X]Y :: i b_h]cbgk Y]gY`XYg`Dfc Υ _hYg`gck]Y`X]Y HY]`bU\a YVYX]b[i b[Yb"`5a `("`\$\dagger b]`Z]bXYh`Y]bY`Dfc Υ _hVOfgY`ni f JYfbYhni b['j cb`l bhYfbY\a Yb`i bX`gcn]U`Yb`9]bf]W\hi b[Yb`ghUhh"

9]b'<Ò\Ydib_h'XYg'DfcY_hYg'ghY``Yb'XYf'%- "'6fØW_Yb!VUi Yb! 5_h]cbghU['gck]Y'X]Y'5ZhYf!K cf_!DUfhm'Ua'%, "'GYdhYa VYf'XUf" 8]YgYg'Jcf\UVYb'k]fX'jcb'XYb'6Øf[Yfgh]Zhib[Yb'6fUibgW\kY][ibX'GU`n[]hhYf'_ccfX]b]Yfh"

Ni gàhn`]W\`]bZcfa]Yfh`X]Y`K YVgY]hY`ØVYf`X]Y`9fZc`[Y`XYg J cf'U\fYg" = a AU\f`&\$&(`kifXYb`]bg[YgUah'++`Dfc^Y_hY YfZc`[fY]W\`ia[YgYhnh"BUW\`VfiYW_Yb!VUiYb!cb`]bY"XY dfcZ]h]YfhYb`*' `gcn]U`Y`9]bf]W\hib[Yb`]b`6fUibgW\kY][ž;]Z\cfbž GU`n[]hhYfž`K c`ZYbVØhhY``ibX`K c`ZgVif[ž`kcVY]`g]W\`**' A]hUfVY]hYbXY`Uig`(-`IbhYfbY\aYb`Yb[U[]YfhYb"`NiXYa`kifXYY]b`YfghYf`6fØW_Yb`VUiYb!:]`a`jYfÒZZYbh`]W\hž`XYf`;YgW\]W\hYbjca`5_h]cbghU[`&\$&'`dfÀgYbh]Yfh"

•

8 Y hU]`g	
Cfh	GU`n[]hhYfž'8Yi hgW\`UbX
EiY``Yb	k k k "k Un!cb`]bY"XY
	k k k "Vfi YW_Yb!VUi Yb!cb`]bY"XY

6 Y qi W Y b 'G] Y 'i b q 'U i Z 'b ! U ["X Y