

G_UbXU`ia FYbÅ'6Yb_c. GhUUhgUbk U`hgW\UZh'Yf\YVh'5b_`U[Y k Y[Yb'6Yhfi[g°

FYbÅ·6Yb_c·ghY\hi]a :: c_i g·Y]bYg·K]fhgWkUZhgg_UbXU`g·]b K]Yb"·8]Y·GhUUhgUbk U`hgWkUZh·Yf\YVh·5b_`U[Y·k Y[Yb 6Yhfi [q·i bX·I bhfYi Y"



K]Ybž'² ghYffY]W '!'9]b'[Yk U`h][Yf'K]fhgW\UZhgg_UbXU`
YfgW\ØhhYfh'X]Y'\Y]a]gW\Y'; YgW\ÀZhgk Y`h 'FYbÅ'6Yb_cž'XYf
Y\Ya U`][Y'?cdZ'XYf'G][bU'<c`X]b[ž'g]Y\h'g]W\'a]h'YfbghYb
Jcfk ØfZYb'_cbZfcbh]Yfh''K]Y'@YUXYfgbYh'VYf]W\hYhž'\Uh'X]Y
K]YbYf'K]fhgW\UZhg!'i bX'?cffi dh]cbgghUUhgUbk U`hgW\UZh'fK?Gh5Ł
5b_`U[Y'[Y[Yb'XYb'I bhYfbY\a Yf'Yf\cVYb''8]Y'Jcfk ØfZY'g]bX
gW\kYfk]Y[YbX'i bX'fY]W\Yb'j cb'VYhfØ[Yf]gW\Yf'?f]XU'V]g'ni
gW\kYfYb'6Yhfi [gZÀ``Yb"

5a '%) "'Bcj Ya VYf'&\$&' '[]b['X]Y'G][bU'<c`X]b[']b' \pm bgc`j Ybn"' \pm a Ni [Y'XYggYb'k]fX'6Yb_c'j cf[Yk cfZYbž'J Yfa Ò[Ybgk YfhY']b

G]WXYf\Y]h'[YVfUWXh'ni '\UVYbž'i a '; `Ài V][YfZcfXYfi b[Yb'ni gWa À`Yfb'cXYf'[Uf'ni 'j Yf\]bXYfb"'6YgcbXYfg'\Y]_Y`']gh'Y]bY A]Yh!'i bX'6Yhf]YVg_cghYbj cfUi gnU\`i b[']b'<Ò\Y'j cb'' *\$"\$\$\$ 9i fcž'X]Y'U`g' k]fhgWXUZh`]WX'i bX'gUWX`]WX'i bj YfhfYhVUf Y]b[Yghi Zh'k i fXY"'Ni XYa 'k YfZYb'X]Y'9fa]hh`Yf'6Yb_c'Y]bY GWXYb_i b['j cb'' \$\$"\$\$\$'9i fc'Ub'5b[Y\Òf][Y'j cf"

9]b _ `UfYf 6`]W_ 'Ui Z'X]Y '5b_ `U[Ydi b_hY

8Yf'[YgUa hY'Ub_`U[Y[Y[YbghÀbX`]WXY'GWXUXYbgVYhfU['VY`Ài Zhg]WX'Ui Z'fi bX'**\$"\$\$\$'9i fc"'8Yf'GhfUZfU\a Yb'ZØf'X]Ya i ha U»`]WXYb'JYf[Y\Yb'`]Y[h']b'2 ghYffY]WX'nk]gWXYb'Y]bYa ii bXnY\b'*J\fYb': fY]\Y]hgghfUZY"'8cWX'X]Y'9fa]hh`i b[Yb'XYf'K?Gh5[Y\Yb'kY]h'ØVYf'6Yb_c'\]bUi gž'XYbb'Ui WX'a Y\f'U`g'Y]b'8i hnYbXkY]hYfY'DYfgcbYb'gck]Y'nkY]'JYfVÀbXY'ghY\Yb']a 'J]g]Yf'XYf

 $\label{eq:continuous_continuous$

9]b 6`]W_'Ui Z'X]Y VfY]hYfY DfcV`Ya Uh]_'XYf K]fhgWX UZhg_f]a]b U`]hÀh

8]Y`\Ài Z][ghYb`GhfUZhUhYb`g]bX`6Yhfi [`Xi fW\?i bXYbž
7mVYf_f]a]bU`]hÀhii bX`J Yfa Ò[YbgXY`]_hY"`9fgW\fYW_YbXY`' +
DfcnYbh`XYf`HÀhYf`g]bX`A]hUfVY]hYf`XYg`I bhYfbY\a Ybg`gY`Vghž
k À\fYbX`' - `DfcnYbh`YI hYfbY`5_hYi fY`g]bX"`8]YgY`NU\`Yb
j YfXYi h`]W\Ybž`k]Y`k]W\h][`Y]b`ghUf_Yg`F]g]_ca UbU[Ya Ybh`i bX
dfÀj Ybh]j Y`A U» bU\a Yb`ZØf`I bhYfbY\a Yb`g]bX"`?f]ghcZ`K UV``j cb
Dk 7`Ya dZ]Y\`hž`g]W\`VYggYf`Ui Z`k]fhgW\UZhg_f]a]bY``Y`5b[f]ZZY

j cfni VYfY]hYb'i bX'YZZY_h]j Y'GmghYa Y'ZØf'X]Y'DfÀj Ybh]cb'ni YhUV`]YfYb"

Gc'j]Y``5i ZfY[ib['ia 'Y]bYb'Y]bnY`bYb'I bhYfbY\a Yf'k]fZh': fU[YbUiZ'K]Y'g]WXYf'g]bX'i bgYfY'I bhYfbY\a Yb'k]f_`]WX3'I bX'kY`WXYGWXf]hhY'kYfXYb'i bhYfbca a Ybž'i a '_ØbZh][Y'JcfZÀ``Y'nijYfa Y]XYb3'8]Y'5i Z_`Àfi b['XYg': U``g'6Yb_c'_ÒbbhY'b]WXh'bi f'ZØf]\b'gY`Vghž'gcbXYfb'Ui WX'ZØf'j]Y`Y'UbXYfY'I bhYfbY\a YbkY]hfY]WXYbXY'?cbgYei YbnYb'\UVYb'' i bX'XUg']b'Y]bYa '@UbXžkc'X]Y'HfUbgdUfYbn']b'XYf'K]fhgWXUZh'ni bY\a YbX'Ui Z'XYbDfØZghUbX'[YghY``h'k]fX"

8 Y hU]`g	
Cfh	K]Ybž ⁻² ghYffY]WX
EiY``Yb	k k k "`YUXYfgbYh"XY
	k k k "gd]Y[Y`"XY
	• k k k "dk WUh

6Ygi WXYb G]Y i bg Ui Z. a Y]b!k]Yb bYh