

HfU[]gWXYf'FY]hi bZU``'Ui Z'FØ[Yb. %(! \rightarrow A\f][Y'VY]'Ni gUa a Ybghc \rightarrow '[YhÒhYh

BUWX 'XYa 'hÒX`]WXYb'I bZU``'Y]bYf'%(!'À\f][Yb'FY]hYf]b'Ui Z FØ[Yb'i bhYfgi WXh'X]Y'Dc`]nY]'À\b`]WXY'JcfZÀ``Yž'i a DfÀj Ybh]cb'ni 'ZÒfXYfb"

9]b 'hfu[]gWX Yf'J cfZU```\Uh'g]WX 'Ui Z'XYf' \oplus gY``FØ[Yb'YfY][bYhž'U`g Y]bY'%(!'À\f][Y'FY]hYf]b 'k À\fYbX'Y]bYg'5i gf]hhg'Ui Z'Y]bYa : Y`Xk Y['bU\Y'6i V_Yj]hn'hfu[]gWX'i a g'@YVYb'_Ua "'8 Yf'I bZU`` YfY][bYhY'g]WX ž'U`g'Y]b 'HfU_hcf'a]h'Ub[Y\Àb[hYa'; fi VVYf'X]Y FY]hYf[fi ddY'YffY]WX hY'i bX'XUg'DZYfX'XYf''A b[Yb'FY]hYf]b gWXYi hYž'k cXi fWX'g]Y'Z]Y``i bX'j cb'XYa '`UbXk]fhgWXUZh`]WXYb ; YfÀh'ØVYffc``h'k i fXY"'Hfchn'XYf'gcZcfh][Yb'FYhhi b[ga U» bU\a Yb_cbbhY']\f'b]WX h'a Y\f'[Y\c`ZYb'k YfXYbž'g]Y'ghUfV'bcWX'Ub'XYf I bZU``ghY``Y"

 $8 \ Yf' HfU_hcfZU \setminus fYf\check{z}'Y]b' \&^*! \grave{A} \setminus f][\ Yf\check{z}'[\ UV' Ub\check{z}'X Ugg'Yf']b' XYf$ $G]hi \ Uh]cb'b]W \& h'fY W \& hnY]h][\ 'Ui \ gk \ Y]W Yb' _cbbhY'' @Ui \ h'Dc`]nY]'k \ Uf \\ X]Y' \% (! \grave{A} \setminus f][\ Y'a \]h' Ub XYfYb' ﴾ [\ YbX`]W Yb' Ui \ Z'XYa : Y`Xk \ Y[i \ bhYfk \ Y[g\check{z}'U`g'g]W 'XYf' hfU[]gW Y' J cfZU```UVgd]Y`hY'' 9fgW ØhhYfhY 6Y ZØfW hi b[Yb' ØVYf'X]Y'G]W Yf\ Y]h'j cb' FY]hYfb']a \\ GhfU Ybj Yf_Y \f'_ca a Yb']b'5bVYhfUW h'X]YgYf' HfU[\OX]Y'Ui \ Z'$

I bZÀ``Y`a]h'`UbXk]fhgWX UZh`]WX Yb`A UgWX]bYb bY\a Yb`ni

 $8 \ Yf' \ J \ cf ZU```Ui \ Z'F \varnothing [Yb']gh'b]WXh']gc`]Yfh''; \ YfUXY']b'XYb'`YhnhYb \\ K \ cWXYb'[UV'Yg'À\b`]WXY'I \ b[`\@W_Y'''9fgh``YhnhY'K \ cWXY'k i fXYb \\ nk Y]'FY]hYf]bbYb'Ui \ Z'I gYXca 'gWXk Yf'j Yf`Yhnhž'U`g'g]Y'a]h']\fYb \\ DZYfXYb'Ui \ Z'Y]bYb'D_k 'gh]Y»Yb'''5i WX'g]Y'k UfYb'bcWX''A b[.'8]Y FY]hYf]bbYb'k UfYb'Yfgh'- 'i bX'%%'\$\\fY'U`h'''8]Y'H]YfY'[Yf]YhYb$

cZZYbVUf'Ui g'i b_`UfYb'; fØbXYb']b'DUb]_'i bX``]YZYb'i b_cbhfc``]Yfh'' 9]bYg'XYf'DZYfXY'ØVYf`YVhY'XYb'Ni gUa a Ybghc»'b]W\hž'k À\fYbXX]Y'VY]XYb'FY]hYf]bbYb'a]h'Y]bYa 'FYhhi b[g\i VgW\fUi VYf']bg?fUb_Yb\Ui g'[YZc[Yb'k i fXYb"

Ni gÀhn`]WX [UV Yg'Y]bY k Y]hYfY 'U`Ufa]YfYbXY 'G]hi Uh]cb']b

A U`WX]bžk c'Y]b''i b[Yf'? fUXZU\fYf'VY]'Y]bYa 'Ni gUa a Ybghc» 'a]h

Y]bYa 'HfU_hcf'gW k Yf'j Yf`Yhnh'k i fXY"'Gc`WXY'J cfZÀ``Y'nY][Yb'Y]bY

VYgcf[b]gYffY[YbXY'HYbXYbn'i bX'k YfZYb': fU[Yb'ni f'G]WXYf\Y]h

]a 'Ni gUa a Ybgd]Y``nk]gWXYb'`UbXk]fhgWXUZh`]WXYb'A UgWX]bYb

i bX'UbXYfYb'J Yf_Y\fghY]`bY\a Yfb'Ui Z"

±b'j YfgW\]YXYbYb'FY[]cbYb'gW\Y]bYb'@UbXk]fhY'i bX'UbXYfY

J Yf_Y\fghY]`bY\a Yf']a a Yf'k]YXYf']b'[YZÀ\f`]W\Y'G]hi Uh]cbYb'ni
[YfUhYb"'8]Yg'k]fZh'X]Y': fU[Y'Ui Zž'cV'X]Y'J Yf_Y\fgghÀf_Yb'i bX
!VYX]b[i b[Yb'b]W\h'Ui gfY]W\YbX'VYfØW_g]W\h][h'k YfXYb"' 8]Y

Dc`]nY]'fi Zh'XUni 'Ui Zž'VYgcbXYfg'j cfg]W\h]['ni 'gY]bž'Ui W\'k Ybb

HfU_hcfYb'`Ub[gUa Yf'ZU\fYb' 'Y]b'Ui gfY]W\YbXYf'5VghUbX']gh'XUg

5'i bX'C'ZØf'X]Y'G]W\Yf\Y]h ž'Yf_`ÀfhY'Y]bY'Dc`]nY]gdfYW\Yf]b"

9gʻ]ghʻi bk U\fgW\Y]b`]W\ž'XUggʻYgʻ]bʻX]YgYbʻ: À``YbʻY]bYbʻ_`UfYb GW\i `X][Ybʻ[]Vhž'XUʻX]Yʻ@UbXk]fhYʻ]bʻXYfʻFY[Y``VY]ʻXYfʻ5fVY]hʻg]bX i bXʻX]Yʻl a [YVi b[gVYX]b[i b[Ybʻb]W\hi]a a Yfʻj cfUi ggY\VUf g]bX"'; YfUXYʻ]a ``ÀbX`]W\YbʻFUi a ž'k cʻ`UbXk]fhgW\UZh`]W\Y A UgW\]bYbʻ\Ài Z]['Y]b[YgYhnhʻk YfXYbžʻg]bXʻgc`W\YʻJ cf_ca a b]ggY Y]bYʻYfbgh\UZhY; YZU\f"`8 UgʻVYXYi hYhʻb]W\h'bi fʻZØfʻX]YʻFY]hYfž gcbXYfbʻUi W\ZØfʻ: U\ffUXZU\fYfʻi bXʻ5i hcZU\fYfž'X]YʻUi ZʻXYb GhfU»Ybʻi bhYfk Y[gʻg]bX"

G]WXYf\Y]hga U»bU\a Yb']b'`ÀbX`]WXYb; YV]YhYb

8]Y YfgWX fYW_YbXYb I bZÀ``Y 'V]g\Yf'nY][Yb 'XYi h`]WX ž'k]Y 'k]WX h][dfÀj Ybh]j Y 'A U» bU\a Yb 'g]bXž'i a 'gc`WXY 'HfU[ÒX]Yb 'ni j Yf\]bXYfb "'G]WXYf\Y]hgj cf_Y\fi b[Yb 'k]Y '_`UfY '6YgWX]`XYfi b[Yb ZØf': Y`Xk Y[Y 'i bX 'Y]bY 'bchk YbX][Y 'GYbg]V]`]g]Yfi b['ZØf'U``Y J Yf_Y\fghY]`bY\a Yf'_ÒbbhYb '\Y`ZYbž'X]Y 'NU\``XYf'I bZÀ``Y 'ni fYXi n]YfYb"'J cf'U``Ya 'FY]hYf'qc``hYb 'q]WX 'VYk i qgh'qY]bž'XUqq'q]Y

; $YZU\ f``Ui ZYbž']b`f]g_UbhY`G]hi Uh]cbYb`ni `[YfUhYbž'k Ybb`g]Y`Ui Z ÒZZYbh`]W\Yb`GhfU» Yb`fY]hYb"'<]Yf`_ÒbbhY`XUg`9]bZØ\fYb'j cbgdYn]Z]gW\Yb`FY]hfY[Y`b']b``ÀbX`]W\Yb`FY[]cbYb'j cb'J cfhY]``gY]b"$

9g'k]fX'Ui W\'ØVYf`Y[hž'X]Y'GW\i`i b[Yb'ZØf'HfU_hcfZU\fYf'i bXUbXYfY'`UbXk]fhgW\UZh`]W\Y'GdYn]U`ZU\fnYi [Y'ni ']bhYbg]j]YfYbž i a 'Y]b'VYggYfYg'JYfghÀbXb]g'ZØf'X]Y'; YZU\fYb'ni 'gW\UZZYb'i bX i a 'g]W\Yfni ghY``Ybž'XUgg'g]Y']b'_f]h]gW\Yb'JYf_Y\fgg]hi Uh]cbYbUb[Ya YggYb'fYU[]YfYb'_ObbYb"'8Yf': U``'Ui Z'FØ[Yb']gh'b]W\h'bi f Y]b'VYXUi Yf`]W\Yg'9]bnY`gW\]W_gU`ž'gcbXYfb'Y]b'K YW_fi Z'ZØf'U``Yž X]Y']a '`ÀbX`]W\Yb'FUi a 'U[]YfYb'i bX'g]W\']b'XYf'BÀ\Y'j cb `UbXk]fhgW\UZh`]W\Yb'; YfÀhYb'VYk Y[Yb"

Ni 'XYb'j cf\UbXYbYb'A U» bU\a Yb'nÀ\`Yb'j cf'U``Ya '[YY][bYhY 6YgW\]`XYfi b[Yb'Ui Z: Y`X!'i bX'@UbXghfU» Ybži a '5i hcZU\fYf'Ui Z X]Y'a Ò[`]W\Y'5bk YgYb\Y]h'j cb'FY]hYfb'\]bni k Y]gYb"'Ni XYa _ÒbbhYb'gdYn]Y``Y'FY]hk Y[Y'Y]b[Yf]W\hYh'k YfXYbž'X]Y'XYb'FY]hYfb Y]bY'g]W\YfY'DUggU[Y'Yfa Ò[`]W\Yb'i bX'XUg'JYf_Y\fgUi Z_ca a Yb Ui Z'XYb'GhfU» Yb'Ybh`UghYb"

5 i gf@ghi b['i bX 'G]W\Yf\Y]h 'VY]a 'FY]hYb

9]b 5gdY_hž XYf]a 'Ni gUa a Yb\Ub['a]h XYa
G]W XYf\Y]hgVYk i gghgY]b 'VY]a 'FY]h Yb c Zh ni f 'GdfUW Y'_ca a hž]gh
X]Y [YY][bYhY '5 i gf@ghi b['gck c\``ZØf 'DZYfX 'U 'g 'U i W 'FY]h Yf '' 8 Ug
HfU[Yb 'j cb '< Y `a Yb 'i bX 'UbXYfYf 'GW i hnUi gf@ghi b['_Ubb ']a ': U``Y
Y]b Yg 'Ghi fn Yg 'g W k YfY 'J Yf `Yhni b[Yb 'j Yf\]b XYfb '' Ni XYa 'gc ``h Y
X]Y '5 i gV] `Xi b['j cb 'FY]h Yfb ž ']b g V Yg cb X YfY 'j cb '?]b X Yfb 'i b X

i [YbX`]W\Ybž'[YZÒfXYfh'k YfXYbž'i a ']\bYb'X]Y'F]g]_Yb']a

I a [Ub['a]h'JYf_Y\f'i bX'h]Yf]gW\Yb'6Y[`Y]hYfb'bÀ\Yfni Vf]b[Yb"

6Yf]WX hY 'ØVYf'I bZÀ``Y'i bX'[YZÀ\f`]WXY'6Y[Y[bi b[Yb']a 'JYf_Y\f_\ObbYb']b'XYf'^2 ZZYbh`]WX_Y]h'Y]bYa '[fÒ» YfYb'6Yk i gghgY]b'ZØf X]YgY'DfcV`Ya Uh]_'ZØ\fYb''Cf[Ub]gUh]cbYb'i bX'FY]hgdcfhj YfVÀbXY ZcfXYfb'cZh'[Yn]Y`hY'GWXi `i b[Yb'i bX', Vi b[Ybži a 'FY]hYf'ZØf g]WXYfY'JYf\U`hYbgk Y]gYb']a 'GhfU» Ybj Yf_Y\fini 'gYbg]V]`]g]YfYb''

8 Y hU]`q

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