

6UmYfb A ØbWXYb c\bY GØXUa Yf]_U! GhUfg. =gh XUg Y]b F]g]_c ZØf XYb 9fZc [3

8 Yf: 7 '6 UmYfb'X]g_i h]Yfh'gY]bY'? UXYfdc`]h]_'c\bY'gdUb]gW.!

`UhY]bUa Yf]_Ub]gW.Y'Gd]Y`Yf'i bX'XYfYb'9]bZi gg'Ui Z'XYb

9fZc`["

A Øb WX Yb ž 8 Yi hg WX `Ub X !! 8 Yf : 7 '6 Um Yfb 'A Øb WX Yb 'gh Y \h'j cf Y]b Yf 'Yb hg WX Y]X Yb XYb 'Gd c fhd c `]h]_ ž 'X U 'X]Y 'U_hi Y `Y ? UXYfni gUa a Ybg Yhni b['_Ui a 'gd Ub]g WX!`Uh Y]b Ua Yf]_Ub]g WX Y Gd]Y `Yf 'i a ZUggh'' \(\dagger \text{XYf GU]gcb' & \$\%\) \(\delta \text{X} \text{Vf Y A Ubbg WX UZh bc WX fY] WX 'Ub 'HU `Yb h Yb 'Ui g' X] Yg Yf 'F Y[]cb ž 'X Ufi b h Yf 'Gh Ufg' k]Y 'H\]U[cž L UV] '5 `cbgc ž '8 Ub h Yž 'F UZ]b\U'i b X '\delta j]' A Ufh b Yn ž 'X]Y 'a U \(\text{VY} \) [YV `]WX ni a '9f Zc`['X Yg'? 'i Vg' VY][Yhf U[Yb '\ UV Yb'' 8 Yf '9]b Z i gg' X] Yg Yf Gd]Y `Yf 'k Uf' b] WX h 'ni 'i b h Yfg WX À h n Yb ž '] bg V Yg cb X Yf Y ']b 'Y]b Ya H Y Ua ž 'X Ug'i b h Yf 'H f U]b Yf 'D Yd'; i Uf X]c` U 'Y]b Y 'b Yi Y 'Gd]Y `_i `hi f Yb h k] W_Y` h Y'''

± XYf'GU]gcb'&\$&(#&) '\]b[Y[Yb'g]bX'bif'æ¿c'DU`\]b\U'i bX
FUd\UY`; i YffY]fc']a '? UXYfž'UV[YgY\Yb'j cb'9f]W8]Yfž'XYf
gck c\``X]Y'Yb[`]gWXY'U`g'Ui WX'X]Y'dcfhi []Yg]gWXY
GhUUhgVØf[YfgWXUZh'VYg]hnh"8]YgY'JYfÀbXYfi b['k]fZh'X]Y': fU[Y
Ui Zž'cV'XYf': 7'6UmYfb'U`g']bhYfbUh]cbU`Yg'Hcd!HYUa'kY]hYf\]b
_cb_i ffYbnZÀ\]['V`Y]VYb'_Ubbž'kYbb']\a'X]Y'hmd]gWXY
:i » VU``_i `hi f'Ui g'GdUb]Yb'i bX'@UhY]bUaYf]_U'ZY\`h"'7\Uad]cbg!
@YU[i Y!?cb_i ffYbhYb'k]Y'FYU``A UXf]X'i bX'XYf': 7'6UfW'`cbU
gYhnhYb'Ui Z'Gd]Y`Yf'Ui g'X]YgYf'FY[]cbž'kÀ\fYbX'6UmYfb']b'XYb
`YhnhYb'ZØbZ'₺J\fYb'j]Yfa U``XUg'J]YfhY`Z]bU`Y'XYf'7\Uad]cbg
@YU[i Y'b]WXh'ØVYfqhUbXYb'\Uh"

< YfUi gZcfXYfi b['? UXYfd`Ubi b[</pre>

8]Y?UXYf!Dc`]h]_'XYg': 7.6UmYfb'ghY\h'bi b'Ui Z'XYa 'DfØZghUbX" 9I dYfhYb'ZcfXYfbž'XUgg'XUg'gdUb]gWX!`UhY]bUa Yf]_Ub]gWXY 9`Ya Ybh'ghÀf_Yf']b'X]Y'D`Ubi b[Yb'Y]bZ]Y»Yb'gc``hY"'\d\'Y]bYf'NY]hž]b'XYf'UbXYfY'?`i Vg'j YfghÀf_h'Ui Z']bhYfbUh]cbU`Y'Gd]Y`Yf'gYhnYbž a i gg'g]WX'XYf': 7.6UmYfb'ZfU[Ybž'cV'Yf'a]h'gY]bYf'XYfnY]h][Yb5i gf]WXhi b['`Ub[Zf]gh]['YfZc`[fY]WX'gY]b'_Ubb"

-) \$ A]``]cbYb 9i fc ZØfGUX]c A UbÅ
- () A]``]cbYb'9i fc'ZØf'FcVYfh'@Yk UbXck g_]
- *\$ "A]``]cbYb "9i fc "ZØf"9f`]b['< UU`UbX
- +\$'A]``]cbYb'9ifc'ZØf'AUhh\]^g'XY'@][h

8]Y'[Y[Ybk Àfh][Y'HfUbgZYfdYf]cXY'YbXYh'Ua''%"'GYdhYa VYfž'i bX j]Y'Y'HYUa gž']b_`i g]j Y'6UmYfbž'VYZ]bXYb'g]W\'U_h]j 'Ui Z'XYf'Gi W\Y bUW\'bYi Yb'Gd]Y'Yfb'cXYf'dchYbn]Y'`Yb'5VbY\a Yfb"'8UVY]'VYhcbh 5bXfYUg'FYhh][ž'Y\Ya U`][Yf'; YgW\ÀZhgZØ\fYf'XYf'8:@'X]Y Bchk YbX][_Y]h'j cb'JYf\UbX`i b[g[YgW\]W_'i bX'Y]bYf hfUbgdUfYbhYb'?ca a i b]_Uh]cb']bbYf\U`V'XYg'?`i Vg"

I a 'X]Y'bÀW ghYb'GW f]hhY']b'XYf'Gdcfhdc`]h]_'ni '_`ÀfYbž'gc``hY'XYf : 7'6UmYfb'ØVYfXYb_Ybž'k]Y'Yf'gY]bY'?UXYfni gUa a YbgYhni b[Ui gVU`UbW]Yfh''K À\fYbX'X]Y'<YfUi gZcfXYfi b[Yb'[fc»'g]bXž'V`Y]VhX]Y': fU[Yž'k]Y'j]Y``XYf'9]bZi gg'gdUb]gW !`UhY]bUa Yf]_Ub]gW Yf Gd]Y`Yf'ZØf'XYb'JYfY]b'k Yfh']gh'i bX'cV'Yf'k Y]hYf\]b'U`g:i bXUa Ybh'ZØf'XYb'gdcfh`]W Yb'9fZc`['X]YbYb'_Ubb''8Yf':i»VU``k]fX']a a Yf'j cb']bhYfbUh]cbU`Yb'GhfÒa i b[Yb'[YdfÀ[h'gY]bž'i bXX]Y'f]W\h][Y'GhfUhY[]Y'_ObbhY'YbhgW\Y]XYbX'XUZØf'gY]bž'X]Y

bàWkghY'8ca]bUbn']b'XYf'6i bXYg`][U'i bX'9i fcdU ni fØW_ni [Yk]bbYb"

A Y\f' \pm bZcfa Uh]cbYb'ni f'? UXYfghfi _hi f'i bX'XYb'<]bhYf[fØbXYb Z]bXYb'g]W\'Ui W\'Ui Z'HfUbgZYfa Uf_h"

8 YhU]`g	
J c f ZU``	Gcbgh][Yg
Cfh	A ØbWX Ybž'8 Yi hgWX`UbX
EiY``Yb	• k k k "a Yf_i f"XY
	k k k "hfUbgZYfa Uf_h"XY
	kkk"XYihgW\`UbXZib_"XY

6Ygi WXYb 'G]Y 'i bg 'Ui Z. 'b!U["bYh