

6UW? Ub. Hci f]ga i gVcca 'Xi fW\'X][]hU`Y HfUbgZcfa Uh]cb i bX '? i `hi fj]Y`ZU`h°

6UW? Ub 'ZÒfXYfh'&\$&) '2 _chci f]ga i g'Xi fW\'X][]hU`Y HfUbgZcfa Uh]cb'i bX'_i `hi fY``Y'=XYbh]hÀhž'i a 'bUW\\U`h][Yg K UW\\ghi a 'ni 'YffY]W\Yb"



BUF jži jYhb Ua '!' + XYf VYf[][Yb 'Dfcj]bn'6 W? b']a 'BcfXYb J]Yhb Ua g'\UhiXYf 'Hci f]ga i g']b 'XYb '`YhnhYb '*J\fYb 'Y]bY VYa Yf_Ybgk YfhY '9bhk] W_`i b['j c``nc[Yb"'6YgcbXYfg'XYf @]YVYga Uf_h'Li Ub '8i cb[']b 'BUF]'n]Y\h'nU\`fY]WXY 'Hci f]ghYb 'Ubž i bX'X]Y FY[]cb 'VYgh]WXh'Xi fWX']\fY 'UhYa VYfUi VYbXYb BUhi f`UbXgWX UZhYb 'gck]Y']\fY'j]Y`ZÀ`h][Yb'²_cgmghYa Y"'6UW? Ub V]YhYh'VY_UbbhYghY'GY\Ybgk ØfX][_Y]hYb'k]Y 'XYb'6U'6Y!GYYž'X]Y Di cb[!<Ò\`Y'i bX'X]Y'<i U'A U!<Ò\`Yž'X]Y'k Y]hYf\]b 5bn]Y\i b[g_fUZh'Ui Z'FY]gYbXY'Ui g'U``Yf'K Y`h'Ui gØVYb"

#bg[YgUa h``YVYb']b`XYf`Dfcj]bn'g]YVYb`Yh\b]gW\Y'; fi ddYbž'X]Y
Y]bY'Y]bn][Ufh][Y'_i `hi fY``Y'#\Ybh]h\h'gW\UZYb'i bX'ZØf'X]Y
9bhk]W_`i b['j cb'² _chci f]ga i gž; Ya Y]bgW\UZhghci f]ga i g'gck]Y
_i `hi fY``Ya 'i bX'gd]f]hi Y``Ya 'Hci f]ga i g'j]Y'j YfgdfYW\YbX'g]bX"
I a 'XYb'Hci f]ga i g']b'XYf'FY[]cb'j cfUbni hfY]VYbž'k i fXY'XYf'D`Ub
Bf"'' \$*#? <!! 6B8']bg'@YVYb'[Yfi ZYbž'XYf'j]Yf'nYbhfU`Y'5i Z[UVYb
ZYgh`Y[h'8]Y'Gh\h'_i b['XYf'Hci f]ga i gZ\h'XYf'b['i bX'!k YfVi b['ž
X]Y'8]j Yfg]Z]n]Yfi b['i bX'J YfVYggYfi b['XYf'E i U`]h\h'XYf
hci f]gh]gW\Yb'DfcXi _hY'i bX'8]Ybgh`Y]ghi b[Ybž'X]Y': \h'Xyf
X][]hU`Yb'HfUbgZcfa Uh]cb']a 'Hci f]ga i g'i bX'X]Y'Gh\h'_i b['XYf
ghUUh`]W\Yb'GhYi Yfi b['i bX'?ccfX]b]Yfi b[']b'X]YgYa '6YfY]W\"</pre>

GhfUhY[]Yb'nif'9bhk]W_`ib[

8]Y 'Dfcj]bn'gYhnh'Ui Z'Y]bY'[Yn]Y`hY': ÒfXYfi b[']\fYg
Hci f]ga i g]a U[Yg'ØVYf'a cXYfbY'A YX]Yb_UbÀ`Y'i bX'Yfa i h][h
]bgVYgcbXYfY'A]hUfVY]hYfž'5fVY]hYf'i bX'Ghi XYbhYb'ni f'U_h]j Yb
HY]`bU\a Y'Ub': Ø\fi b[Ybž'i a 'X]Y'?i `hi f'i bX'; YgW\]W\hY'XYf
FY[]cb'bÀ\Yf'_YbbYbni `YfbYb"'Ni XYa 'gc``Yb'; Ya Y]bXYb'bYi Y
Hci f]ga i gdfcXi _hY'Ybhk]W_Y`bž'X]Y'Yb['a]h']\fYf'_i `hi fY``Yb

*XYbh]hÀh'i bX'hfUX]h]cbY``Yb' < UbXk Yf_gXÒfZYfb'j Yf_bØdZh'q]bX"

9]b 'GWX 'ØggY` 'ni f'dcg]h]j Yb '9bhk]W_`i b['g]Y\h'X]Y 'Dfcj]bn 'XUf]bž X]Y 'GYfj]WYei U`]hÀh'ni 'j YfVYggYfb 'i bX 'Hci f]ga i gZUWX_fÀZhY [Yn]Y`h'ni 'gWXi `Yb"' +bj Ygh]h]cbYb ']b 'X]Y +bZfUghfi _hi f'i bX i bhYfghØhnYbXY '8]Ybgh`Y]ghi b[Yb 'k YfXYb 'ZcfW]Yfh'i bX 'X]Y

5bk YbXi b['X][]hU`Yf`HYWkbc`c[]Yb`ghY\h`]a 'JcfXYf[fi bX"'<]Yfni [Y\Òfh'i bhYf`UbXYfYa 'X]Y`9]bZØ\fi b['j cb Hci f]ga i gXUhYbVUb_Yb`i bX`E F!7cXYgž'X]Y`Yg`Yfa Ò[`]WkYbž N]Y`]bZcfa Uh]cbYb``Y]WkhYf`ni [Àb[`]Wk`ni 'a UWkYb"

8][]hU`Y HfUbgZcfa Uh]cb]a Hcif]gaig

8 Yf X][]hU Y K Ub XY Ygd]Y h Y]b Y Yb hg W Y] XY b XY F c Y]a
a c XY fb Yb Hci f]ga i g i b X VY hf] ZZh [`c V U Yhk U Y]b Yb j c b n Y \ b
5 f V Y]hgd `A hn Y b " 8] Yg j Yf A b XY fh 'b] W h 'b i f 'X]Y B Uhi f 'X Y f
5 f V Y]hgd `A hn Y ž gc b XY fb 'g W U ZZh Ui W 'b Yi Y '7 \ Ub W b " @Ui h
I B K HC]gh X Ug 'A c XY `` XYg 'Ga Ufh 'HfUj Y ``]b 'X Yb 'J c f X Y f[fi b X
[Yf Ø W hž X Ug '] b b c j Uh]j Y @ Ogi b [Yb 'k] Y '] b h Y ``] [Yb h Y 'J]g U ž
Ui hca Uh]g] Y f h Y '; f Y b n d f c n Y g g Y 'i b X 'X] []h U Y * D Z f Ugh fi _hi f 'i a Z Uggh"

HYW bc`c[]gW Y'Hcc`gž'XUfi bhYf': YfbXYhY_hcfYb'i bX'6]['8 UhU! GmghYa Yž'\Y`ZYb'XUVY]ž'X]Y'5i gk]f_i b[Yb'XYg'Hci f]ga i g'ni UbU`mg]YfYb'i bX'6Ygi W YfghfÒa Y'YZZ]n]Ybh'ni 'ghYi Yfb"'8]YgY HYW bc`c[]Yb'ZÒfXYfb'Y]bY']b_`i g]j Y'Hci f]ga i g[YghU`hi b[ž'X]Y gck c\``X]Y'6YXØfZb]ggY'XYf'9]b\Y]a]gW Yb'U`g'Ui W 'XYf FY]gYbXYb'VYfØW_g]W h][hž'i bX'hfU[Yb'ni f'JYfVYggYfi b['XYf FY]gYYfZU\fi b['gck]Y'ni a 'GW i hn'XYg'_i `hi fY``Yb'9fVYg'VY]"

8 i fWX 'X]Y 'Yb [Y '? ccdYfUh]cb 'nk]gWX Yb 'A]b]ghYf]Ybž'Nk Y][ghY ``Yb i bX '? ca a i bYb 'k]fX 'XUg 'N]Y `'j YfZc `[hž'V]g 'ni a '\dagger \lambda\\ f'\&\dagger &\dagger \) 'Y]bYb 8 i fWX Vfi WX ']b 'XYf'Hci f]ga i gYbhk]W_`i b['ni 'Yfn]Y `Yb 'i bX 'Y]b nk Y]ghY ``][Yg 'K]fhgWX UZhgk UWX ghi a 'ni 'YffY]WX Yb "'8]Y 'Dfcj]bn '6 W ? b ']gh'[i h'Ui Z[YghY ``h'i bX 'g]Y\h']b 'XYf'\dagger \dagger \dag

8 YhU]`g	
Cfh	BU'F]žJ]YhbUa
EiY``Yb	• k k k "j]Y hb Ua "j b
	• kkk"ibkhc"cf[