

Hfi a d'i b X A Yfn. '9]b'\]ghcf]gWX Yg HfYZZYb°BYi Y NY]hYb ZØf8Yi hgWX`Ub X°

I G!DfÀg]XYbh'Hfi a d'Ya dZÀb[h'6i bXYg_Ubn`Yf'A Yfn']a K Y]» Yb'< Ui g"'8]g_i gg]cb'ØVYf']bhYfbUh]cbU`Y'6Yn]Y\i b[Yb i bX'G]W\Yf\Y]hgh\Ya Yb"



K Ug\]b[hcbž:8"7"žI G5:1:5a ') "'→ b]'&\$&) 'Ya dZ]b['I G!

DfÀg]XYbh'8cbU`X'Hfi a d'XYb'bYi '[Yk À\`hYb'6i bXYg_Ubn`Yf
: f]YXf]W\ A Yfn 'ff78I Ł']a 'K Y]» Yb' < Ui g"'8]Yg'k Uf'A Yfn 'YfghYf
cZZ]n]Y``Yf'6Ygi W\ ']b'X]YgYf': i b_h]cb'i bX'V]`XYhY'Y]bYb

VYXYi hYbXYb'5b`Uggži a 'X]Y'K Y]W\Yb'ZØf'Y]bY'bYi Y'ŸfU']b'XYb

XYi hgW\Yb!Ua Yf]_Ub]gW\Yb'6Yn]Y\i b[Yb'ni 'ghY``Yb"'Hfi a d

[fUhi `]YfhY'A Yfn'\Yfn`]W\'ni 'gY]bYa 'K U\`g]Y['i bX'VYnY]W\bYhY
]\b'U`g'Y]bYb' gY\f'fYgdY_h]YfhYb'A Ubb ž'XYggYb'K U\``U`g' hc``
i bX'dcg]h]j 'ZØf'X]Y'hfUbgUh`Ubh]gW\Yb'6Yn]Y\i b[Yb'VYhfUW\hYh
k]fX"

8 UgʻHfYZZYbʻZUbXʻ]a ʻCj U`ʻC ZZ]WYʻghUhhʻi bXʻZc_i gg]YfhYʻg]W\ʻUi Z nYbhfU`Yʻ]bhYfbUh]cbU`YʻH\Ya YbžʻXUfi bhYfʻ9I !NÒ``Yž'XYb Ub\U`hYbXYb`?f]Y[`]b`XYf`I_fU]bY`i bX`X]Y`\i a Ub]hÀfY`@U[Y`]b; UnU"8]YgY`; YgdfÀW\Y`g]bX`VYgcbXYfg`fY`Yj Ubhž`XU`A Yfn`ni j cf ZØ\fYbXY`Dc`]h]_Yf`]b`Yi fcdÀ]gW\Yb`< Ui dhghÀXhYb`[YhfcZZYb`\UhhYžia 'Y]b`ghUf_Yg`BYhnk Yf_`ni 'YhUV`]YfYbž`XUg`g]W\`XYb</ri>

YfUi gZcfXYfi b[Yb`XYf`; Y[Ybk Ufh`k]Xa Yh"`8 Uni 'nÀ\`Yb`i bhYf
UbXYfYa 'A UWfcb`]b`: fUb_fY]W\'i bX`NY`Ybg_m`]b`XYf`I_fU]bY"

8Yi hgWX!5a Yf]_Ub]gWXY 6Yn]Y\i b[Yb

A Yfn '6Ygi W. 'a Uf_]Yfh'b]W.h'bi f'XYb'YfghYb'dYfgÒb`]W.Yb 5i ghUi gW. 'a]h'Hfi a d'gY]h'gY]bYa '5a hgUbhf]hhž'gcbXYfb'Ui W. 'XYb 6Y[]bb'Y]bYf'bYi Yb'D\UgY'XYf'Ni gUa a YbUfVY]h'nk]gW.Yb 8Yi hgW.`UbX'i bX'XYb'I G5"'8Yf'6i bXYg_Ubn`Yf'\Uh'Yg'g]W.'ni f 5i Z[UVY'[Ya UW.hž'X]Y'k]fhgW.UZh`]W.Y'GhÀf_Y'8Yi hgW.`UbXg'gck]Y XUg'9b[U[Ya Ybh'ZØf'X]Y'Yi fcdÀ]gW.Y'G]W.Yf\Y]h'i bX'a]`]hÀf]gW.Y 5bdUggi b[Yb']b'XYb'A]hhY`di b_h'ni 'ghY``Yb"

; `cVU`Y`G]WXYf\Y]hi bX`<YfUi gZcfXYfi b[Yb

8]Y'[Ycdc`]h]gWXYb'<YfUi gZcfXYfi b[YbžX]Y'g]WX'gY]h'XYf
j c``ghÀbX][Yb'=bj Ug]cb'Fi gg`UbXg']b'X]Y'I _fU]bY'Ua'&("':YVfi Uf
&\$&&'Yf[YVYb'\UVYbžYf\O\Yb'XYb'8fi W_'Ui Z'X]Y
hfUbgUh`Ubh]gWXY'Ni gUa a YbUfVY]h'''9]bY'i a ZUggYbXY'Ghi X]Y'\YVh
\Yfj cfž'XUgg'X]Y'G]WXYf\Y]h'XYf'I _fU]bY'U`g'`Ub[Zf]gh][Y'; UfUbh]Y
ZØf'X]Y'G]WXYf\Y]h'9i fcdUg'i bX'XYf'I G5'Ub[YgY\Yb'k YfXYb
gc``hY"'8]Y'Ni gUa a Yb\Ab[Y'nk]gWXYb'XYb'g]WXYf\Y]hgdc`]h]gWXYb
<YfUi gZcfXYfi b[Yb'i bX'XYb'dc`]h]gWXYb'6Yn]Y\i b[Yb'_ObbYb

K]Y]b XYf Ghi X]Y Yfk À\bhž]gh X]Y GhÀf_i b[XYf B 5 HC i bX XYf 9] j cb Ybhg W Y]XYb XYf 6 Y XYi hi b[ži a XYb U_hi Y``Yb 6 Y Xfc \i b[Yb Xi f W Fi gg`Ub X i b X 7 \]b U Ybh[Y[Ybni hf YhYb " 8 Ug J Yfhf Ui Yb]b X]Y hf Ubg Uh`Ubh]g W Y 5``]Ubn]ghž]b g V Yg cb XYf Y]b '5 b V Yhf U W h X Yf [`c V U `Yb `A U W hj Yfg W]Y Vi b[Yb ž k] W h][Yf XYbb 'Y " A Yfn 'g W Y]bh X]Yg Y < Yf Ui g Zc f X Yfi b[`Yf_Ubbh ni `\ U V Yb i b X a O W h Y Y]b Y dcg]h]j Y 5 f V Y]hg V Yn]Y \i b[`ni `Hfi a d `Ui Z V Ui Yb ž X]Y a O[`]W Yfk Y]g Y `Ub X]Y 6 Yn]Y \i b[Yb Yf]bb Yfhž X]Y `Hfi a d `a]h 9a a Ubi Y `A U W f cb 'd Z Y[h Y "

±0.5 b V Y h f U W N h X Y f [Y c d c `]h]g W Y b `I a k À `ni b [Y b `V `Y] V h U V ni k U f h Y b ž 'k] Y `X] Y ; Y g d f À W Y `nk]g W Y b `A Y f n `i b X `H f i a d `X] Y _Ø b Z h] [Y `G] W Y f \ Y] h g U f W] h Y _h i f `i b X `X] Y `k] f h g W U Z h`] W Y b U Z h`] W Y b U Z h`] b `9 i f c d U `i b X `X Y b `I G 5 `V Y Y] b Z i g g Y b `k Y f X Y b " 8 Y f 5 i g [U b [`X] Y g Y f `8] g _ i g g] c b Y b `_O b b h Y `k Y] h f Y] W Y b X Y 5 i g k] f _ i b [Y b `U i Z X] Y `h f U b g U h`U b h] g W Y b `6 Y n] Y \ i b [Y b `g c k] Y `U i Z X] Y `G] W Y f \ Y] h `9 i f c d U g `\ U V Y b "

8 Y hU]`g	
J c f ZU``	Gcbgh][Yg
Cfh	K Ug\]b[hcbž'8"7"ž' G5
EiY``Yb	• k k k "nj k "XY
	• kkk"Wbb"Wca
	• WYdU"cf[

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