

6Ui ghcdd XYg 5? K 'GhYb XU'. 'K]Y HgW Yfbc Vm 'X]Y 'D `Ab Y 'fi]b]YfhY °

9fZU\fYb'G]Y'U``Yg'ØVYf'XYb'6Ui ghcdd'XYg'?Yfb_fUZhk Yf_g GhYbXU``]b'XYf'88Fž'jcb'l fgUW\Yb'V]g'<]bhYf[fØbXYb"



B]YXYf[ÒfbYž8Yi hgW `UbX'!'8Yf'6Ui ghcdd'XYg'?Yfb_fUZhk Yf_g GhYbXU`'V`Y]Vh'Y]b'nYbhfU`Yf'Di b_h']b'XYf'9bYf[]Y[YgWX]WXhY'XYf Y\Ya U`][Yb'88F'i bX'\Uh'V]g'\Yi hY'gY]bY'Gdi fYb'\]bhYf`UggYb"
5a '%("'***) '%-- \$'k i fXY'XYf'6Ui ghcdd'[YZcfXYfhž'bUWXXYa 'XYf_UhUghfcd\U`Y'FYU_hcfi bZU```]b'HgWXYfbcVm`'X]Y'Ÿb[ghY'j cf Uhca UfYf'9bYf[]Y'bYi 'YbhZUWXh'\UhhY"'BY[Uh]j '[Ygh]a a hY FYU_h]cbYb'Ui Z'X]Y' gck Yh]gWXY'6Ui Ufh 'dfÀ[hYb'X]Y'ÒZZYbh`]WXY A Y]bi b['i bX'ZØ\fhYb'ni 'Y]bYf'gWXbY``YfYb'5V_Y\f'j cb'Uhca UfYb DfcY_hYb"'@Ui h'6UmYf]gWXYf'Fi bXZi b_'gc``hY'XUg'ghYhg'U`g Ua V]h]cb]Yfh'[Y`hYbXY'DfcY_h'&\$'i 'XYf'88F!<Ui g\U`hY'a]h 5hca ghfca 'j Yfgcf[Yb"

8]Y '6Ui ghY``Y 'XYg'? Yfb_fUZhk Yf_g'GhYbXU`ž'[Y`Y[Yb'%) '_a

 $\label{eq:bcfxoghi} bcfXoghi]WX "j cb" GhYbXU"]a "_`Y]bYb" 8cfZ"B]YXYf[OfbYž"k Uf"Y]bgh X]Y" [fO` hY "6Ui ghY" Y "9i fcdUg" i bX"YfghfY W_hY"g]WX "ØVYf"Y]bY : `AWXYž"X]Y"* '$": i > VU"`ZY"XYfb"YbhgdfUWX" "Y]bY" [Yk U"h][Y 8]a Ybg]cb" "6]g"ni "%$"$$$"5fVY]hYf"k UfYb" j cf"Cfh"VYgWX AZh][hž k A\fYbX"? Ø\ `hØfa Y"X]Y"@UbXgWX UZh"]b"Y]b"Zi hi f]gh]gWXYg"6]`X j Yfk UbXY"hYb"$

8 Ug'j Yfd UgghY 'DchYbn]U`

8 Yf Dfc Y_hVY[]bb XUh]Yfh'Ui Z'XYb'%":5i [i gh'%- + (ži bX'hfchn'XYf Ua V]h]cb]YfhYb'D`AbYž'X]Y'j]Yf FYU_hcfYb'a]h'Y]bYf;

YgUa h_UdUn]hAh'j cb'(\$\$\$'A K'ni 'Yff]W\hYbž'Z]Y`XUg'YbX[Ø`h][Y I fhY]`'ØVYf'XUg'?Yfb_fUZhk Yf_'VYfY]hg'Ua '%"'A Àfn'%- - %ž'U`g'X]Y 5fVY]hYb'Y]b[YghY``h'k i fXYb'''8]Y'; YgUa h_cghYb'XYg'Dfc Y_hg \UhhYb'g]W\']b'XYf'Nk]gW\YbnY]h'j cb'i fgdfØb[`]W\'%\$'A]``]UfXYb Cgha Uf_'Ui Z'[YgW\AhnhY'&\$'A]``]UfXYb'Cgha Uf_'Yf\Ò\h'''8U\Yf VYXi fZhY'XUg'J cf\UVYb'b]W\h'bi f'Y]bYf'a Ugg]j Yb]bZfUghfi_hi fY``Yb'I bhYfghØhni b['''Yg'YbhghUbXYb'%("\$\$\$ K c\bi b[Ybž'GW\i'Yb'i bX'Y]bY'bYi Y'9]gYbVU\bj YfV]bXi b['' ž gcbXYfb'Ui W\'Y]bYf'i a ZUggYbXYb'D`Ubi b[ž'X]Y'bUW\'XYf FYU_hcf\Uj Uf]Y']b'<Uff]gVi f[''ØVYfUfVY]hYh'k YfXYb'a i gghY''' K]_]dYX]U'\YVh'\Yfj cfž'XUgg'g]W\'X]Yg'U``Yg']b'Y]b VYgcf[b]gYffY[YbXYg'6]`X'j YfZYgh][hY''

GhUhh'Y]bYg'Z b_h]cb]YfYbXYb'?fUZhk Yf_g'\]bhYf`]Y» 'XYf'6Ui ghcdd Y]bY'Fi]bYž'j cb'XYf'bi f'Y]b][Y'I bhYfbY\a Yb' ii bhYf'UbXYfYa Y]b'NY``ghcZZk Yf_ii bX'Y]bY'6]ca Yh\UbfUZZ]bYf]Y' 'dfcZ]h]YfhYb"'8]Y 9]bf]W\hi b[Yb'\UVYb'\Yi hY']\fYb'D`Uhn'Ui Z'XYa 'Y\Ya U`][Yb'??K!; Y`ÀbXY'[YZ bXYbž'k À\fYbX'XYf'FYgh'ni f'K ØghYbY]'j Yf_ca a Yb]gh"

9]b 6`]W_ Ui Z'X]Y J Yf[Ub[Yb\Y]h

8]Y'dc`]h]gWXY'@UbXgWXUZh'XYf'88F'aigghY'g]WX'YXcWX'b]WXh'bifa]h'XYf': fU[Y'XYf'9bYf[]YjYfgcf[ib['UigY]bUbXYfgYhnYb" 9f]bbYfib[Yb'Ub'X]Y'JYf[Ub[Yb\Y]h'_fUhnYb'Ub'XYf'CVYfZÀWXY XYg': cfhgWXf]hhg"'A8F'VYf]WXhYhž'XUgg'VYfY]hg'%-))'Y]b 5V_caaYb'a]h'XYf'IXGGF'XUg'5hcaYbYf[]Ydfc[fUaa']b'XYf 88F']bg'@YVYb'f]YZ''Y]bY'K YbXYž'X]Y'`YhnhYbX`]W\'bif'VYX]b[h YfZc`[fY]W\'k Uf"'Jcb'i fgdfØb[`]W\'Ub[YghfYVhYb'&\$ 5hca_fUZhk Yf_Yb'V]g'%-+\$'kifXYb'`YX][`]W\'nkY]'fYU`]g]Yfhž'X]Y _Y]bYb'k YgYbh`]W\Yb'6Y]hfU['nif'9bYf[]Yj Yfgcf[ib['`Y]ghYb_cbbhYb"

8]Y'<YfUi gZcfXYfi b[Ybž'X]Y'ni 'A Àb[Y`b']b'XYf'Ei U`]hÀh'i bX
5i gV]`Xi b['XYg'DYfgcbU`g'ZØ\fhYbž'g]bX'a]hh`Yfk Y]`Y'HY]`'XYf
<]ghcf]Y"'8]Y'[Y\Y]a Y'8c_i a YbhUh]cb'ØVYf'X]Y'A Àb[Y`'YbhV`Ò» hY
X]Y'9I]ghYbn'j cb'[fUj]YfYbXYb'DfcV`Ya Ybž'X]Y'ni 'Y]bYa
gW\`Y]W\YbXYb'JYf`i gh'XYg'JYfhfUi Ybg'[Y[YbØVYf'XYf
5hca dc`]h]_'ZØ\fhYb"

<Yi hY 'V`Y]Vh'XUg'; Y`ÀbXY'XYg'?Yfb_fUZhk Yf_g'GhYbXU``b]W\h'bi f
Y]b'A U\ba U``ZØf'[YgW\Y]hYfhY'9bYf[]Ydfc'Y_hYž'gcbXYfb'ghY\h
Ui W\'gma Vc`]gW\'ZØf'XYb'K UbXY``i bX'X]Y'<YfUi gZcfXYfi b[Yb'XYf
XYi hgW\Yb'9bYf[]Ydc`]h]_"'8Yf'6Ui ghcdd']gh'a Y\f'U`g'Y]b'8Uhi a
Yf']gh'HY]``Y]bYf'9fnÀ\`i b['ØVYf'G]W\Yf\Y]hž'J YfUbhk cfhi b['i bX
X]Y'Gi W\Y'bUW\'Y]bYa 'bUW\\U`h][Yb'K Y[']b'X]Y'Ni _i bZh''</pre>

8 Y hU]`g	
Cfh	B]YXYf[ÒfbYž'8Yi hgWX`UbX
EiY``Yb	• k k k "Vf"XY
	XY"k]_]dYX]U"cf[
	• k k k "a Xf"XY

6 Y gi W Y b 'G] Y 'i b g 'U i Z 'b ! U ["b Y h