

BYiYg'? ∃K \]hYdUdYf.'7\UbWYb'ibX F]g]_Yb'ZØf'; YVÀi XYfY]b][Yf']a ': c_i g°

8 Y f '6 = J 'j Y f Ò ZZY b h`] W k h'Y] b '? ± K \] h Y d U d Y f 'a] h '7 m V Y f g Y W f] h m! I d X U h Y g 'ZØf'; Y V À i X Y f Y] b] [Y f ž i a 'A] h [`] Y X Y f 'g h f U h Y [] g W 'n i i b h Y f g h Ø h n Y b "



8c_i a Ybh'Y]b'j YfVUbXg]bhYfbYf'K cf_g\cdž']b'XYa 'X]Y'A]h[`]YXYf U_h]j ']b'X]Y'H\Ya Uh]_'Y]bVYnc[Yb'k i fXYb"8Yf'6= a UWkh Ui »YfXYa 'XUfUi Z'Ui Za Yf_gUa ž'XUgg'X]Y'G]WkYf\Y]h'_f]h]gWkYf \DZfUghfi _hi f'Y]bYb'\O\YfYb'GhY``Ybk Yfh'VY_ca a Yb'a i gg"'5i Wk kYbb'; YVÀi XYX]Ybgh'Y]ghYf'b]Wkh'HY]``X]YgYf'DZfUghfi _hi f'g]bXž ghY\h'XYf'8UhYbUi ghUi gWk'a]h'?i bXYb']a 'FUi a 'i bX'V]f[h'gc'XUg F]g]_c'j cb'7mVYfUb[f]ZZYb"I a gc'k]Wkh][Yf'g]bX'X]Y'bYi Yb'DZcgž X]Y'g]Wk'Ui Wk'a]h'fY`Yj UbhYb'; YgYhnYgj cf\UVYb'VYZUggYbži a I bhYfbY\a Yb'ØVYf'X]Y'bchk YbX][Yb'J cf_Y\fi b[Yb'Ui Zni _`AfYb'' @Ui h'j YfVUYbXY"Wca 'ghY\Yb'X]YgY'DZcfa Uh]cbYb'U_hi Y```Ui Z XYf'5[YbXU"

8 c W k Y W Y F c ` Y gd | Y h X | Y b Y i Y F Y [i `] Y fi b ['] b ' X Y f ' 9 i ž ' X | Y ' U ` g $5 = 5 \text{ Wh} \cdot \text{VY} = 0 \text{ bh} \cdot \text{ lgh3} \cdot \text{BYi} \text{ YghY} \cdot 6 \text{ Yf} = 0 \text{ Wh} \cdot \text{NY} = 0 \text{ Yh} \cdot \text{VY} = 0 \text{ Wh} = 0 \text{ Wh} \cdot \text{VY} = 0 \text{ Wh} = 0 \text{ Wh} \cdot \text{VY} = 0 \text{ Wh} = 0$ FY[Y`k Yf 'Y]b[YZØ\fh\Uhž'XUg'X]Y'Bi hni b['jcb'? \dday{hcc`g']b : cfgWXib[ibXK]fhgWXUZhfY[Yhi8Yf5=5WhibhYfgWXY]XYh $nk [gWXYb] < cWX f[g]_c!ibXB]WXh! < cWX f[g]_c!5bkYbXib[YbžkcVY]$ < UbXk Yf_gVYhf]YVY hmd]gW\Yfk Y]gY b]W\h']b X]Y < cWAf]q] c UhY[cf]Y'ZU``Yb'ibX'XUa]h'[Yf]b[YfY $HfUbgdUfYbnjYfdZ]Whib[Yb'\UVYb"8]YgYFY[Yib['ghY\h']a$ Ni gUa a Yb\Ub['a]h'XYb '9fZU\fi b[Ybž'X]Y 'X]Y '91 'Ui g'XYf 8 UhYbqWihn!; fibXjYfcfXbib['f8G; JCŁ'[YkcbbYb'\UhžibX $gWXUZZh^{-}[Y]WXnY]h][aYXf^{-}fY]fAiaY^{ZØf^{-}}yb^{-}gUhn^{-}icb^{-}?$ $HYWXbc^c[]Yb^]b^IbhYfbYAaYb"8UhYb[Yhf]YVYbY^9bhgWXY]Xib[Yb$ gc``Yb'gca]h'KYhhVYkYfVgjcfhY]`Y'jYfgWXUZZYb" 5bk YbXi b[gZY`XYf'_ÒbbhYb'ni a '6Y]gd]Y``X]Y'6Øfccf[Ub]gUh]cbž $X]Y^{-9}fghY^{-1}b[^{-1}cb^{-5}b[^{-4}VchYb^{-6}cXYf^{-4}UhYf]U^{-4}VghY^{-1}b[^{-4}VchYb^{-6}cXYf^{-4}VchYb^{-6}cXYf^{-4}UhYf]U^{-4}VghY^{-1}b[^{-4}VchYb^{-6}cXYf^{-4}UhYf]U^{-4}VghY^{-4}$ 8 | YgY = DZcfa Uh|cbYb ghUa a Yb Ui g fUh|cbY ``!fY | b | [Yb "XY"

8]Y'< YfUi gZcfXYfi b[Yb'XYg'5=5Whg

8U'g]bX'k]f'Ui W 'gW cb'VY]a '?bUW_di b_h '?Øbgh`]W Y'+bhY``][Ybn_Ubb'b]W h'bi f'NY]h'i bX'?cghYb'gdUfYbžgcbXYfb'V]f[h'Ui W F]g]_Ybž'k]Y'ZU`gW Y'+bZcfa Uh]cbYb'cXYf': fU[Yb'ni a I f\YVYffYW h''8Yf'5=5Whž'XYf']a 'A U]'&\$&('jcb'XYb'9I!@AbXYfb j YfUVgW]YXYh'k i fXYž'_ObbhY'ZØf'j]Y`Y'I bhYfbY\a Yb'ni 'Y]bYa UXa]b]ghfUh]j Yb'?fUZhU_h'k YfXYb'''I a 'X]Y'[fi bX`Y[YbXYb 5bZcfXYfi b[Yb'ni 'YfZØ``Ybž'gYhnh'X]Y'9I'__`UfY': f]ghYb'ZØf'X]Y

I a gYhni b["8 Uni '[Y\ÒfYb'i bhYf'UbXYfYa 'i a ZUggYbXY 5bZcfXYfi b[Yb'Ub'<cW\f]g]_c!? \delta5bk YbXi b[Yb''5i W\']a '<]bV`]W_Ui Z'JYfVfUi W\YffYW\hY'gc``Yb'bYi Y'6YgW\k YfXYa Ò[`]W_Y]hYb[YgW\UZZYb'k YfXYb''8]Y'[Yd`UbhYb'HYgh`UVcfY'ni f'9bhk]W_'i b[ibX'ni a 'HfU]b]b['jcb'?=jcf'XYf'A Uf_hY]bZØ\fi b['nY][Ybž'XUggX]Y'9I '\deltabcj Uh]cb'ZÒfXYfb'a ÒW\hY''8]Yg']gh'jcf'U``Ya ']a '?cbhYl h ni 'gY\Ybž'XUgg'Ua Yf]_Ub]gW\Y'i bX'W\]bYg]gW\Y'HYW\!
I bhYfbY\a Yb'cZh'X]Y'JcffY]hYffc``Y'Y]bbY\a Yb''8]Y'_ca d`Yl Y I a gYhni b['XYf'5\deltaJcf[UVYb'_ObbhY'nk Uf'_cghYbUi Zk YbX]['gY]bž XcW\']gh'Yg'k]W\h][ž'X]Y'F]g]_Yb'ni 'a UbU[Yb'i bX'Y]bY'\c\YEi U`]h\hg'\Yfi ghY``Ybž'gc'X]Y'9]bgW\\Ahni b['jcb'_da ["XY"

9]b k Y]hYfYf Di b_hž XYf ZYgh[Y\U`hYb k YfXYb a i gg. A UgWk]bYb i bX FcVchYf dfcZ]h]YfYb Yf\YV`]Wk j cb ? ₹X]Y]\fY 5fVY]hgk Y]gY cdh]a]YfYb _Ubb " 9g []Vh U`YfX]b[g Ui W Y]b ghfYb[Yg J YfVch]a Ni gUa a Yb\Ub[a]h Ya ch]cbU`Yf 9f_Ybbi b[ii bX _c[b]h]j Yf J Yf\U`hYbga Ub]di `Uh]cbži a `X]Y F YWk hY j cb A]hUfVY]hYbXYb ni k U\fYb " 6YgcbXYfg]bhYfYggUbhg]bX Ui W `X]Y A Ò[`]Wk _Y]hYbž X]Y VY] `XYf '9fghY``i b[ij cb 5i ggWk fY]Vi b[gi bhYf`U[Yb cXYf VY] `XYf ; YbYf]Yfi b[ij cb ₺\U`hYb ZØf K YVg]hYg VYghY\Yb " Bi hnYf a ØggYb YXcWk `XUfUi Z UWk hYbž XUgg g]Y `X]Y `YfghY``hYb 'HYI hY `Ui Z F]Wk h][_Y]h ØVYfdfØZYb 'i bX `YbhgdfYWk YbXY HfUbgdUfYbnUbZcfXYfi b[Yb YfZØ``Yb"

Ni gUa a YbZJggYbX'`Àggh'g]W\ 'gU[Ybž'XUgg'X]Y'\deltahY[fUh]cb'j cb'? =]a '; YVÀi XYfY]b][Yf!<UbXk Yf_'gck c\``7\UbW'b'U`g'Ui W\
<YfUi gZcfXYfi b[Yb'a]h'g]W\ 'Vf]b[h''8Yf'6\delta 'V]YhYh'XUni 'X]Y
bOh][Y'I bhYfghØhni b[ž'k À\fYbX'XYf'5\delta 'bh'_\text{UfY'Gd]Y'fY[Y'b'ZØf XYb'I a [Ub['a]h'?\delta 'cf[]Yh'i bX'['Y]W\ nY]h][
ni _i bZhgk Y]gYbXY'\delta di `gY'ZØf'X]Y'X][]hU`Y'HfUbgZcfa Uh]cb'gYhnh''
CV'VY]'XYf'?i bXYb_ca a i b]_Uh]cb'Xi fW\ '7\UhVchg'cXYf'XYf
Bi hni b['j cb'?\delta Hcc`g']b'XYf'5i gV]'Xi b['''X]Y'A O[`]W_Y]hYb'g]bX
j]Y`ZA`h][\ferif{E}UVYf'Ui W\ 'fY['Ya Ybh]Yfh''8]Y'9bhk]W_`i b['bYi Yf
HYW\bc`c[]Yb'k]fX'gca]h'b]W\ h'bi f'ni f'DZ]W\ h\ferif{ghØhnh'k YfXYb'''\delta}
Y]bYf'g]W\ 'gW\bY``'j Yf\ferif{bXYfbXYb'K Y`h']gh'Yg'k]W\ h][\ferif{E}Y]b'[i hYg
<\ferif{AbXW\Yb'VY}\'XYf'5bdUgqi b['Ub'bYi Y'; Y[YVYb\Y]hYb'ni '\UVYb'''

8 Y hU]`g	
Cfh	6i bXYg]bbi b[gj YfVUbX XYg
	; YVÀi XYfY]b][Yf! <ubxkyf_gž'8yi hgwx`ubx<="" th=""></ubxkyf_gž'8yi>
EiY``Yb	• k k k "j YfVUYbXY"Wca
	k k k "fUh]cbY``!fY]b][Yb"XY
	_`UfXYb_Yf"_da ["XY

6 Y gi W Y b 'G]Y 'i b g 'Ui Z 'k ca , + "X Y