

5`Ufa ']a 'H\Øf]b[Yf'K U`X.'; fc»Y'¸Vi b[bUWX'?]bXYf!NY`h`U[Yf!6fUbX°

5a '%("\$* "&\$&) 'g]a i `]YfhY 'XYf'? UhUghfcd\YbghUV'; ch\U Y]bY'9j U_i]Yfi b[']a 'H\Øf]b[Yf'K U`X'VY]'@]gYbh\U`'k Y[Yb K U`XVfUbX[YZU\f"



@i]gYbh\U`ž'8Yi hgW\`UbX`! 5a ij Yf[Ub[YbYb': fY]hU[UVYbX
ZUbX`Y]bY`XfUa Uh]gW\Y`, Vi b[i]a iH\Øf]b[Yf'K U`X`VY]`@i]gYbh\U`
ghUhhž'X]Y`Y]bXfi W_gj c```XYa cbghf]YfhYž'k]Y`[i hiX]Y`9]bgUhn_fÀZhY
]a i? UhUghfcd\YbZU```Ui Z'gW\k Yfk]Y[YbXY`9fY][b]ggY`fYU[]YfYb
_ObbYb"'8]Y`, Vi b[igU\Y]bY`5`Ufa]Yfi b[ij cbi9]bgUhn_fÀZhYbini
Y]bYa i?]bXYfnY`h`U[Yfj cfž'k cifi bX`&) ij Yf`YhnhY`?]bXYfi bX
6YhfYi Yfj ca i: Yi Yf'ØVYffUgW\hik i fXYb"'8]Y`GnYbUf]Ybik UfYb
fYU`]gh]gW\žigcXUgginU\`fY]W\Y`FYhhi b[g_fÀZhYij cbiFYhhi b[gX]Ybgh
i bX`6Yf[k UW\hia cV]`]g]Yfhik i fXYbžii a iX]Y`GhUh]ghYbigW\bY```]b
i a `]Y[YbXY'?fUb_Yb\Ai gYfini ihfUbgdcfh]YfYb":: Yi Yfk Y\f`Yi hY
XYf': fY]k]``][Yb: Yi Yfk Y\fYb'XYg`@UbX_fY]gYg'j Yf`Y[hYb'XUVY]
Yhk U'j]Yf'?]`ca YhYf'GW\`Ai W\Y'j cbiXYf'GW\a U`k UggYfhU`gdYffY
V]gini a '9]bgUhncfh"8Yf'?UhUghfcd\YbghUV']a i@UbXfUhgUa h; ch\U

ccfX]b]YfhY'X]Y'9jUi]Yfib['jcb'@l]gYbh\U`žkÀ\fYbX'Y]b Dc`]nY]\i VgWxfUi VYf`YVYbZU``g`]b`X]Y` Vi b[`]bhY[f]Yfh`k i fXY" 8 | Y g Y 'g | a i ` | Y f h Y b '9 | b g À h n Y 'n Y | [Y b ž k | Y 'Y f b g h 'X | Y '6 Y \ Ò f X Y b 'X | Y Dfàj Ybh]cb'i bX'?f]qYbVYk à`h][i b['bY\a Yb"'A 8F'VYf]VX hYhž XUggʻgc`WXY`, Vi b[Yb`i bYf`Àgg`]WX`g]bXži a `]a '9fbghZU```gWXbY`` ibX`YZZ]n]Ybh`fYU[]YfYb`ni`_ÒbbYb"

8]Y ''@b [ghYb 'K YhhYfVYX]b [i b [Yb ']b 'H\@f]b [Yb '\UVYb ''YXc W\ ni gÀhn`]WXY'<YfUi qZcfXYfi b[Yb'a]h'g]WX'[YVfUWXhž'X]Y'Ui WX'ZØf $X[Y'9]bgUhn_f\lambda ZhY'fY'YjUbh'g]bX''8Yf': f\emptyset \gcaa Yf'nY][h'g]W$ XYfnY]hij cbigY]bYfigcbb][ghYbiGY]hYia]highY][YbXYb $HYa dYfUhi fYbž'k Ug'X]Y'K U`XVfUbX[YZU\f'g][b]Z]_Ubh'Yf\Ò\h''$ 91 dYfhYb k UfbYb j cf Y]bYf 8 ØffYdYf]cXYžX]Y Ui Z'XYb ZYi WXhYb Gdfc» a Ubbž'\YVh'\Yfj cfž'XUgg'X]Y'K U`XVfUbX[YZU\f'Ua K cWXYbYbXY'k Y]hYf'ghY][Yb'k]fX"'\do'XYb'_ca a YbXYb'HU[Yb'g]bX ghUV]`Y`HYa dYfUhi fYb`ØVYf`&\$; fUX`i bX`k Yb][`FY[Yb`ni Yfk UfhYb"'H\ Øf]b [Yb & ('V Yf]W hYhž'XUgg' j cf'U``Ya 'K Ub XYfYf i bX·5i qZØ[`Yf·Y]b·DfcV`Ya 'XUfqhY``hž·]bqVYqcbXYfY $Xi fWXN][UfYhhYb i bX; f]^Yb a K UX"8UYf[]^h]b H\Øf]b[Yb]$ [Ubn'À\f]['Y]b'FUiWi|YfVch']b'K À`XYfb"

K U`XVfUbX[YZU\fYbghi ZYb']a : c_i g

6]q\Yf^[UV^Ya^]b^X]YqYf^GU]qcb^YfZfYi^]W\YfkY]qY^bi f^k Yb][Y K U`XVfÀbXY`]b'H\Øf]b[YbžkcVY]'\UidhgÀW\`]W\'_`Y]bY': `ÀW\Yb']b $Cgh!H\Øf]b[Yb"VYhfcZZYb"kUfYb"5``YfX]b[g'kifXYb"VY]$ @ÒgWXUfVY]hYb Y]bYg K U`XVfUbXYg]a ??mZZ\Ài gYf nk Y] FYhhi b[g_fÀZhY``Y]W\hijYf`Yhnh"'@Ui h'Y]bYf'U_hi Y``Yb ; YZU\fYbghi ZYb_UfhY'j cb'H\Øf]b[Yb:cfgh'k Uf'ZUgh'[Ubn H\Øf]b[Yb'Ua'&"'≯b]'Ui Z'cfUb[Y'fl YZU\fYbghi ZY'XfY]'jcb'ZØbZŁ $Y]b[YghiZh''6Y]; YZU\fYbghiZY'j]Yf'_ObbYb'; f]``d`AhnY'ibX$ ÒZZYbh`]W\Y': Yi YfghY``Yb'[YgdYffh'k YfXYb"'8]YgY'FY[Y`i b[Yb'g]bX i a gc k | W h | Y f ž X U X | Y ; Y Z U \ f Y b g h | Z Y b k | Y Z c \ [h _ \ U g g | Z | n | Y f h g]bX.

Ghi ZY 6YgWxfY]Vib[%

	9]bgW\fÀb_i b[Yb'ZØf
	K U`XVYgi W\Yf"
&	; Yf]b[Y'; YZU\f"'?Y]bY
	9]bgW\fàb_i b[Yb'ZØf
	K U`XVYgi W\Yf"
1	A]hh`YfY′; YZU\f"′±bZcfa Uh]j′ZØf
	K U`Xbi hnYf"
(<c\y`; th="" yzu\f"`²="" zzybh`]wx<=""></c\y`;>
	ni [Àb[`]WXY'; f]``d`ÀhnY'_ÒbbYb
	[YgdYffh [·] k YfXYb"
	GY\f`\c\Y; YZU\f"?Ubb`ni f
	GdYffib['YlhfYa'[YZÀ\fXYhYf
	KU`X[YV]YhY`ZØ\fYb"

#b '5 b V Y h f U W N 'X] Y g Y f T a gh À b X Y '] gh 'Y g 'Y g g Y b n] Y ``ž 'X U g g 'g] W 'U ``Y K U `X V Y gi W Y f 'V Y k i g gh 'g] b X ž 'k] Y 'g] Y 'g] W '] a 'K U `X 'j Y f \ U `h Y b g c ``h Y b ž i a '6 f À b X Y 'n i 'j Y f a Y] X Y b " * X [`] W Y f T b Z ['a] h 'N] [U f Y h h Y b c X Y f 'c Z Z Y b Y b ': `U a a Y b '_ O b b h Y 'g W b Y ```n i 'Y] b Y f '6 Y X f c \ i b ['Z Ø f X] Y 'B U h i f 'i b X 'X] Y '^2 Z Z Y b h `] W _Y] h 'k Y f X Y b " '8] Y 'H \ Ø f] b [Y b : c f g h ! G Y] h Y '[] V h '5 i Z g W `i g g 'Ø V Y f 'X] Y 'U _ h i Y ``Y b '; Y Z U \ f Y b g h i Z Y b 'i b X b c h k Y b X] [Y 'J Y f \ U `h Y b g k Y] g Y b ž 'X] Y 'Y X Y f 'K U `X V Y gi W Y f 'V Y U W h Y b g c ``h Y "

8 YhU]`g	
Cfh	@i]gYbh\U`ž'8YihgW\`UbX
EiY``Yb	• k k k "a Xf"XY
	• k k k "h\i Yf]b[Yb&("XY
	• k k k "h\i Yf]b[YbZcfgh"XY

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