

I G!; YgUbXhYf'H\ca Ug'6UffUW_'VYgi W\h'8Ua Ug_i g'i bX VYhcbh'X]Y'@Ògi b['XYg'=gfUY`!Gmf]Yb!?cbZ]_hg'Xi fW\'8]U`c[i bX'BYi VUi 'j cb'6Yn]Y\i b[Yb"

A UXgWXXU``GWXUa gž'Gmf]Yb'!'5a '&- "'A U]'&\$&) 'VYgi WXhY H\ca Ug'6UffUW_ž'XYf'I G!GcbXYfVYUi ZhfU[hY'ZØf'Gmf]Ybž'X]Y gmf]gWXY'<Ui dhghUXh'8Ua UgW'g'ibX'`cVhY'XUVY]'X]Y |bhYf]a |gh]gWXYFY[|Yfi b["'6UffUW_'Ài » YfhYžXUgg'XYf'?cbZ]_h nk]gWXYb '=gfUY`'i bX 'Gmf]Yb' `ÒgVUf 'gY]'i bX 'ZcfXYfhY'Y]bYb 8]U`c[žia 'ni 'Y]bYf'Zf]YX`]WXYb'@Òqib['ni '[Y`Ub[Yb"'6YqcbXYfYq 5i [Yba Yf_``Y[hY`Yf`Ui Z`XYb`JcfgW\`U[ža]h`Y]bYa B]W\hUb[f]ZZqdU_h'ni 'VY[]bbYb'i bX'ØVYf'; fYbnYb'i bX ; $YV]YhqZfU[Yb'ni'X]q_ih]YfYb''8]YgYf'6YgiW\']gh'HY]`XYf$ 6Ya Ø\i b[Yb XYf I G5ž X]Y 6Yn]Y\i b[Yb ni Gmf]Yb i bhYf XYf bYiYb'FY[]Yfib['bYi'ni'[YghU`hYb"'9fgh'jcf'_ifnYa'kifXYb'X]Y Ua Yf]_Ub]gWXYb'GUb_h]cbYb'[Y[Yb'Gmf]Yb'bUWX'ZUgh'%('\\\)fYb ?f]Y['Ui Z[Y\cVYbžXYa 'X]Y'9i fcdÀ]gWXY'I b]cb']b'?ØfnY'Zc`[hY" 8 | Y g Y '9 b hk | W_i b [Y b 'g h Y ``Y b 'Y] b Y b 'V Y X Y i h Y b X Y b 'K Ub X Y ``] b 'X Y b dc`]h]gWXYb'8mbUa]_Yb'XYf'FY[]cb'XUfž'VYf]WXhYhY'5`'*JJnYYfU g AU\aciX'5VXY`KU\YX"

8]Y'l G!FY[]Yfi b['\Uh'ni XYa 'Ub[Y_ØbX][hž'XUgg'Gmf]Yb'b]W\h
`Àb[Yf'U`g'ghUUh`]W\Yf'l bhYfghØhnYf'j cb'HYffcf]ga i g'VYhfUW\hYh
k YfXYb'gc``ž'k Ug'6UffUW_'hY]`k Y]gY'XYa '9bXY'XYf'< YffgW\UZh'j cb
6Ug\Uf'U`!5ggUX'ni gW\fY]Vh"'5``YfX]b[g'\YVYb'Yf'i bX'UbXYfY
?ca a YbhUhcfYb'\Yfj cfž'XUgg'Y]bY'gYW\ga cbUh][Y
, VYfdfØZ b[gZf]gh'Xi fW\'XYb'?cb[fYgg'YfZcfXYf']W\']ghž'VYj cf
X]YgY'9]bghi Zi b['j c``ghÀbX]['Y]b[YhfU[Yb'k YfXYb'_Ubb"'8Ua]h
gc```XYf'bYi Yb'gmf]gW\Yb'FY[]Yfi b['X]Y'7\UbW''[Y[YVYb'k YfXYbž

c\bY`YI hYfbY`9]ba]gWki b[`cXYf`6YX]b[i b[Yb`ni `nY][Ybž`XUgg g]Y`Y]bY`dcg]h]j Y`9bhk]W_`i b[`UbghfYVh"`9]b`VYa Yf_Ybgk YfhYf GWkf]hh`XUVY]`]gh`XUg`HfYZZYb`XYg`gmf]gWkYb`5i »Yba]b]ghYfg`5gUUX U`!G\U]VUb]`a]h`k Ygh`]WkYb`J YfhfYhYfbž`XUg`X]Y`K]fhgWkUZh`XYg @UbXYg`Ub_i fVY`b`_ÒbbhY"

<]ghcf]gWX Y GdUbbi b[Yb i bX U_hi Y ``Y ? cbZ`]_hY</pre>

 $8 \ Yf'?cbZ]_h'nk \]gWXYb'=gfUY''i bX'Gmf]Yb']gh'[Ubn'UbXYfg'[YUfhYh''GY]h'XYf'%-*+Yf'5fUV]gWX!=gfUY']gWXYb'?f]Y['i bX'XYf UbgWX']Y>YbXYb'6YgYhni b['XYf'; c'Ub\O\Yb'g]bX'X]Y 6Yn]Y\i b[Yb'j cb'GdUbbi b[Yb'[YdfA[h''=gfUY''\Uh']b'XYb''YhnhYb $U\fYb'k]YXYf\c'h'a]']hAf]gWXY'5_h]cbYb']b'Gmf]Yb'i bhYfbca a Yb''=a'\U\fX$&('a UWXhY'=gfUY''X]Y'<]gVc'`U\'ZØf'Y]bYb FU_YhYbUb[f]ZZ'Ui Z'X]Y'; c'Ub\O\Yb'j YfUbhk cfh']WX'z'VY]'XYa a]bXYghYbg'nk O'Z'A YbgWXYbz'XUfi bhYf'?]bXYf'i bX'\[YbX']WXYz'i a g'@YVYb'_Ua Yb''8Yf'FU_YhY]bgWX'U['YfY][bYhY'g]WX'Ui Z'Y]bYa:i>VU'`d'Uhn']b'A UXgWXXU``GWXUa g'i bX'ZØ\fhY'ni 'J Yf'YhnhYb gck]Y'Y]bYa 'a Ugg]j Yb'9]bgUhn'j cb'FYhhi b[g_fAZhYb'j cf'Cfh''8]Y A]']hAfUi g'U[Yb'XfØW_Yb'X]Y'U_hi Y'`Y'5bgdUbbi b[']b'XYf'FY[]cb Ui gz'VYf]WXhYh'HU[YggWXUi''$

 $8]Y ; c`Ub \land O \land Yb `g]b X `ZØf `=gfUY` `j cb `ghfUhY[]gWX Yf `6Y XYi hi b[`i b X gY]h] \land fYf `5bbYl]cb `]a `$U \land f'%-, % `]bhYfbUh]cbU` `b]WX h`UbYf_Ubbh'' K À \fYb X `=gfUY` `X]Y `? cbhfc` `Y `ØVYf `XUg ; YV]Yh `VY \ Ui dhYhž `ZcfXYfh Gmf]Yb `X]Y `F ØW_[UVY `V]g `ni f `@|b]Y `j cb `%- * + ž `k Ug `=gfUY` j Yfa Y]XYb `a OWX hY " DfÀg]XYbh `5ggUX `g]Y \ h `X]Y `F ØW_[UVY `XYg ; c`Ubg `U`g `nYbhfU`Yb `Di b_h `ZØf `Y[`]WXY : f]YXYbgj Yf \ UbX` i b[Yb" 8 U `XYf `Gmf]gWX Y `DfÀg]XYbh `[Ygi bX\Y]h`]WX `Ub[YgWX`U[Yb `]ghž `\ Uh Y]b `A UWX h_Ua d Z `i a `gY]bY `B UWX Zc`[Y `VY[cbbYb" `8]Y 9f `Y]WX hYfi b[`XYg `]bhYfbUh]cbU`Yb `8 fi W_g `Xi fWX `Y]bYb `a O[`]WXYb : f]YXYbgj YfhfU[`_ObbhY `X]Y `Dcg]h]cb `gY]bYg `Gc \ bYg `6Ug \ Uf ghÀf_Ybž `XYf `U`g `B UWX Zc`[Yf 'j cfVYfY]hYh `k]fX"$

8]Y'Fc``Y'XYf'6Yj O`_Yfi b['i bX'XYf'G]YX`Yf

8]Y']bbYfYb'8mbUa]_Yb']b'=gfUY`g]bX'YVYbZU``g'_ca d`Yl'''l a 'XYb; c`Ub'_i fg]YfhXYf'G`c[Ub' 8Ug'Jc`_']gh'a]hXYa'; c`Ub ži a
VfY]hY'l bhYfghØmi b['ZØf'XUg'VYgYmhY'; YV]Yh'ni 'XYa cbghf]YfYb''
Fi bX'%, "\$\$\$'ØX]gWXY'G]YX'Yf'`YVYb'Xcfhžj]Y`Y'j cb']\bYb'ghY\Yb
XYb': f]YXYbgj Yf\UbX`i b[Yb'g_Ydh]gWX'[Y[YbØVYf''
A]b]ghYfdfAg]XYbh'9\i X'6UfU_'\Uh'JYfghAbXb]g'ZØf'X]Y'Ÿb[ghY'XYf
G]YX`Yfž'VYhcbh'YXcWXž'XUgg': f]YXYb'Ui WX']a a Yf'a]h
?ca dfca]ggYb'j YfVi bXYb']gh''8]Y'K UggYffYWXhY']b'XYf'FY[]cbž
]bgVYgcbXYfY'X]Y'XYg'GYYg'; YbYnUfYh\žg]bX'Y]b'k Y]hYfYf
nYbhfU`Yf'GhfY]hdi b_h']b'XYb'JYf\UbX`i b[Yb'''8]YgY'H\Ya Yb
gd]Y[Y`b'XYb'bUh]cbU`Yb'Ghc`n'i bX'XYb'K i bgWX'XYf'GmfYf'k]XYfž
b]WXh'bi f']\f'@UbX'ni fØW_ni [Yk]bbYbž'gcbXYfb'Ui WX'Y]b'VYggYfYg
@YVYb']b': f]YXYb'i bX'FYgdY_h'ni 'ZØ\fYb''

±0.5bVYhfUW\h'X]YgYf'dc`]h]gW\Yb'Hi fVi `YbnYb'i bX'XYf
Ub\U`hYbXYb'?cbZ]_hY']b'XYf'FY[]cb'V`Y]Vh'UVni k UfhYbž'k]Y'g]W\
X]Y'6Yn]Y\i b[Yb'nk]gW\Yb'Gmf]Yb'i bX'=gfUY`'k Y]hYfYbhk]W_Y`b
i bX'cV'X]Y'; YgdfÀW\Y'hUhgÀW\`]W\ni 'Y]bYa 'ghUV]`Yb': f]YXYb
ZØ\fYb' ÒbbYbž'XYf'XYb': cfXYfi b[Yb'VY]XYf'GY]hYb'[YfYW\h'k]fX"

5``>UnYYfU HU[YggW\Ui 8Yi hgW\`UbXZi b_

8 Y hU]`g	
J c f ZU``	FU_YhYbUb[f]ZZ
I fgUWX Y	<]gVc``U\
Cfh	A UXgWXXU``GWXUa gž'Gmf]Yb
J Y f`Y hn hY	%&
EiY``Yb	• k k k "U`^UnYYfU"Wca
	● kkk"hU[YggWXUi"XY
	kkk"XYihgW\`UbXZib_"XY

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