

6Y``]b[\Ua 'ØVYfb]a a h'X]Y``Y[YbXÀfY Bi a a Yf'+'VY]'8cfha i bX°

 $\mathfrak{L}^{VY'6Y''}$]b[\Ua 'k YW\gY\h'bUW\ 'XYf'?\i V!K A 'ni f F\@W_Ybbi a a Yf'+'VY]a '6J6' 'Y]b'k]W\h][Yf'GW\f]hh']b'gY]bYf ? Uff]YfY"



8 c f ha i b X ž 8 Y i hg W `Ub X '! ∞ V Y '6 Y ``]b [\ Ua ž XY f ' '1 b [Y A]hhY `ZY `Xgd]Y `Yf j cb '6 c f i gg]U '8 c f ha i b X ž k]f X 'b UW X 'XYf : \pm 5 '? `i V! K Y `ha Y]ghY fg W U Zh X]Y 'h f U X]h]c b g f Y] W Y 'F Ø W _Y b b i a a Y f ' + \ Ø V Y f b Y \ a Y b " '5 _hi Y `` 'h f À [h 'Y f ' V Y] 'X Y a 'Hi f b]Y f X]Y 'B i a a Y f ' + + " 8]Y 'B i a a Y f ' + '\ Uh 'V Y] a '6 J 6 'Y] b Y 'V Y g c b X Y f Y '; Y g W] W h Y ž X U 'g] Y V Y f Y]hg 'j cb 'd f ca]b Y b h Y b 'G d] Y `Yf b 'k]Y 'G h Y Z Ub 'F Y i h Y f ž 'G \]b '] ? U[Uk U i b X '\$J X cb 'G Ub W c '[Y h f U [Y b 'k i f X Y " '8]Y '9 b hg W Y] X i b [ž X] Y 'B i a a Y f ' + 'ni 'k À \ `Y b ž 'Z À ``h `] b 'Y] b Y b 'g h f Uh Y []g W Y b 'i b X g ma V c `]g W Y b 'F U \ a Y b ž X U 'X] Y 'F Ø W _Y b b i a a Y f b 'Z Ø f : Y `X g d] Y `Y f `] b X Y f '6 i b X Y g `][U 'U i Z '% 'V]g '(- 'V Y g W f À b _h g] b X ž 'k] Y 'c d ! c b `] b Y " X Y V Y f] W h Y h "

;]cj Ubb] F Y mb Už U_hi Y``Y Bi a a Y f + XYg HY Ua gž k]fX

j cfUi gg]Wkh`]Wk 'bUWk 'XYf'? `i V!K A 'XYb'JYfY]b'j Yf`UggYb"'FYmbU\Uh'g]Wk 'U`g'k]Wkh][Yg'A Uf_Yh]b[!; Yg]Wkh'XYg'6J6']b'XYb'I G5
YhUV`]Yfhž'i bX']gh'XYf'Gc\b'j cb'7`Ui X]c'FYmbUž'Y]bYa
Y\Ya U`][Yb'? Ud]hÀb'XYf'I G!BUh]cbU`a UbbgWkUZh"'6Y``]b[\Ua '\Uh
VYk i ggh'Ui Z'X]Y'Bi a a Yf'&&'j Yfn]WkhYhž'i a 'gY]bYb'Y][YbYb'K Y[
ni '[Y\Ybž'i bX'k À\`hY'X]Y'+ž'i a 'g]Wk']b'X]Y': i » ghUd ZYb'[fc » Yf
Gd]Y`Yf'XYg'J YfY]bg'ni 'ghY``Yb"

K A !HY]`bU\a Y i bX 8i Y`` XYf HU`YbhY

6Y``]b[\Ua 'k]fX`Ua 'AcbhU['a]h'XYf'Yb[`]gW\YbBUh]cbU`a UbbgW\UZh'[Y[Yb'XYb'\def Ub'UbhfYhYbž'k À\fYbX';]cj Ubb]FYmbU'gY]bY`K A!DfYa]YfY'[Y[Yb'K U`Yg'ZY]Yfb'k]fX"'9g'k]fX'Y]bVYgcbXYfYg'8iY``kYfXYbž'kYbb'9b[`UbX'ibX'X]Y'IG5'Ua'\&)"Bcj YaVYf'UiZY]bUbXYfhfYZZYb"'6Y]XY'Gd]Y`Yf'g]bX'UiW\"HY]`'Y]bYg?UXYfgž'XYf'gYW\g'6cfiggYb'iaZUgghž'X]Y'VY]`XYf'KA']b'?UhUfjYfhfYb'g]bX"'NiXYa']gh'FUd\UY`;iYffY]fcž'Y]b'kY]hYfYf'6J6!DfcZ]ž'U`g'k]W\h][Yf'5_hYif'ZØf'X]Y'dcfhi[]Yg]gW\YBUh]cbU`aUbbgW\UZh'bca]b]Yfhž'kÀ\fYbX'Chhc'5XXcž'Y\YaU`][YfGd]Y`Yf'XYg'6J6'ibX'Yhnh'HfU]bYf'jcb';\UbUž'UiZ'XYaHfU]bYfghi\`g]hnh"

; i YffY]fc `\ Uh` YXc W\ `a]h`J Yf`Yhni b[gdfc V`Ya Yb`ni `_Àa dZYbž k Ug`Ui W\ `gY]bY`@Y]ghi b[`VY]`8 cfha i bX`VYY]bhfàW\h][h"`8]Y dcfhi []Yg]gW\ Y`5i gk U\``hf]hh`]b`XYf`; fi ddYbd\UgY`[Y[Yb`; \UbUž I fi [i Um`i bX`GØX_cfYU`Ub"`8]Y`8 mbUa]_`i bX`F]j U`]hÀh`nk]gW\ Yb XYb`Gd]Y`Yfb'j cb`6cfi gg]U`8cfha i bX`k]fX`Xi fW\ `X]Y K Y`ha Y]ghYfgW\ UZh'j YfghÀf_hž`XU`g]W\ 'j]Y`Y`VYY]bXfi W_YbXY?Uff]YfYb`]b`X]YgYa 'K YhhVYk YfV`YbhZU`hYb"

8]Y 'HfUX]h]cb 'XYf F ØW_Ybbi a a Yfb 'VY]a 6J6

8]Y'9bhgWXY]Xi b['6Y``]b[\Ua gžX]Y'Bi a a Yf'+'ni 'ØVYfbY\a Ybž
ZØ[h'g]WX']b'X]Y'fY]WXY'; YgWX]WXhY'XYf'FØW_Ybbi a a Yfb'XYg
JYfY]bg'Y]b"'8Yf'6J6'\Uh'Y]bY'`Ub[Y'@]ghY'Y\Ya U`][Yf'Gd]Y`Yfž'X]Y
a]h'X]YgYf'Bi a a Yf'Uggcn]]Yfh'k YfXYb"'<]ghcf]gWX'[YgY\Yb'\UVYb

j]Y`Y`Y]bZiggfY]W\Y`5_hYifY`XUg`Hf]_cha]h`XYf`BiaaYf`+
[YhfU[Ybž'k Ug`X]Y`6YXYihib[`XYf`K U\``ZØf`6Y``]b[\Ua`Ybcfa Yf\Ò\h"`

- \(\frac{1}{2}\)XCb GUbW\(\text{C}\) f\(\frac{1}{2}\)+\(\frac{1}{2}\)\(\frac{1}{2}\)\(\frac{1}{2}\)
- G\]b']'?'U[UkU'f%(#%)Ł
- GhYZUb FYi hYf fl &# ' ' '\$' #\$(Ł

8]Y 'gma Vc`]gW\Y'6YXYi hi b['X]YgYf'Bi a a Yf'k]fX'j cb'6Y``]b[\Uag]W\Yf`]W\ 'Yf_Ubbhž'i bX'Yf'a Yf_hž'XUgg'Yf'b]W\h'bi f'Y]bYb'D`Uhn']b XYf'YfghYb'A UbbgW\UZh'Y]bb]a a hž'gcbXYfb'Ui W\'X]Y'HfUX]h]cb'i bX XUg'9fVY'XYg'J YfY]bg'ZcfhZØ\fh"'? ØbZh]['k]fX'XYf'&\$!\À\f][YjYfgi W\Ybž'gY]bYb'Y][YbYb': i\sim \UVXfi \W_']b'XYf'; YgW\]W\hY'j cb 6cfi gg]U'8cfha i bX'ni '\]bhYf`UggYb"

8 YhU]`g	
Cfh	8 cfha i b X ž 8 Y i hg W \ `U b X
EiY``Yb	k k k "cd!cb`]bY"XY
	k k k "h!cb`]bY"XY
	k k k "hfUbgZYfa Uf_h"XY

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