

; fi bX\UZhY'9fbYi Yfi b['XYf'GWX]`Xck YfGhfU» Y'[Yd`Ubh.'6Ui UfVY]hYb'UV'; `]'&\$&(

9fZU\fYb`G]Y`U``Yg`ØVYf`X]Y`VYj cfghY\YbXY`[fi bX\UZhY 9fbYi Yfi b['XYf`GW\]`Xck Yf`GhfU»Y`UV`¬¬¬\`\\ `]`&\$&("``9fZU\fYb G]Yž`k]Y`X]Y`6Ui UfVY]hYb`[Yd`Ubh`g]bXž`k Y`W\Y`I a `Y]hi b[Yb Yg`[YVYb`k]fX`i bX`k Y`W\Yb`Bi hnYb`X]Y`A U» bU\a Y`ZØf 5bk c\bYf`i bX`JYf_Y\fghY]`bY\a Yf`Vf]b[h"



BYiYg'=bZfUghfi_hifdfc^Y_h'ZØf'GWX]`XckYfGhfU»Y

5a '&&"'*\displays \(\) 'ghUfhYb'X]Y'6Ui UfVY]hYb'ZØf'Y]b'i a ZUb[fY]WXYg 9fbYi Yfi b[gdfc'Y_h']b'XYf'GWX]'Xck Yf'GhfU\down Y''8]YgYg'Dfc'Y_h YfghfYW_h'g]WX'j ca '6YfY]WX'A Ufh\UghfU\down Y#DUf_ghfU\down Y'V]g'ni f @UbXYg[fYbnY'6Yf`]b#6fUbXYbVi f["'8]Y'6Ui UfVY]hYb'g]bX'ZØf Yhk U'%, 'A cbUhY'[Yd`Ubh'i bX'k YfXYb']b'nk Y]'5VgWXb]hhYb'i bhYf J c``gdYffi b['XYf'GhfU\down Y'Xi fWX[YZØ\fhZi a 'X]Y'6Ui nY]h'ni a]b]a]YfYb'i bX'X]Y'GhÒfi b[Yb'ZØf'X]Y'5bk c\bYf'gc'[Yf]b['k]Y

8]Y'[Yd`UbhYb'6Ui VYfY]WXY'g]bX'k]Y'Zc`[h'i bhYfhY]`h.
%"'6Ui VYfY]WX'%.'Jcb'A Ufh\UghfU»Y#DUf_ghfU»Y'V]g
; Yfhfi XghfU»Y
&"'6Ui VYfY]WX'&.'Jcb'; Yfhfi XghfU»Y'V]g'ni f'@UbXYg[fYbnY6Yf`]b#6fUbXYbVi f["'

9]bY'k]Wkh][Y'A U» bU\a Y']a 'Ni [Y'XYg'Dfc Υ _hg'VYhf]ZZh'X]Y I a 'Y]hi b['XYf'6i g']b]Y'' &* 'XYf'6J; 'k À\fYbX'XYf'6Ui nY]h''Jcf 6Ui VY[]bb'k YfXYb'9fgUhn\U`hYghY``Yb'Ybh`Ub['XYf I a 'Y]hi b[gghfYW_Y'Y]b[Yf]WkhYhž'i a 'XYb'ÒZZYbh`]WkYb DYfgcbYbbU\j Yf_Y\f'Ui ZfYWkhni Yf\U`hYb''8Yf': i » [Àb[Yfj Yf_Y\f k]fX'ghYhg'a]bXYghYbg'Ui Z'Y]bYf'GhfU» YbgY]hY'a Ò[`]Wk'gY]bž k À\fYbX'XYf'X]fY_hY'5b`]Y[Yfj Yf_Y\f'a]h'?fUZhZU\fnYi [Yb']b'XYb 6Ui VYfY]WkYb'bi f'gY\f'VY[fYbnh'cXYf'[Uf'b]Wkh'a Ò[`]Wk'gY]b k]fX''8]Y'9ffY]WkVUf_Y]h'ZØf': Yi Yfk Y\f!'i bX'FYhhi b[gZU\fnYi [Y]gh'YxcWk'k Y]hYf\]b'[Yk À\f`Y]ghYh''

8 Ug' < Ui dhn]Y`XYf'A U» bU\a Yb'VYghY\h']b'XYf'J YfVYggYfi b['XYf VUi `]W\Yb'Ghfi _hi f'XYf': U\fVU\b'i bX'XYf'Ub[fYbnYbXYb 6YfY]W\Y''8 Uni '[Y\OfYb'X]Y'i a ZUggYbXY'9fbYi Yfi b['XYf': U\fVU\bž'X]Y'A cXYfb]g]Yfi b['XYf'; Y\k Y[Y'gck]Y'XYf'6Ui 'Y]bYf bYi Yb'GhfU» YbYbhk AggYfi b[''J YfgW\]YXYbY'VUi hYW\b]gW\Y A U» bU\a Yb'k YfXYb'i a [YgYmhž'i a 'X]Y'JYf_Y\fgVYfi\][i b[i bX'X]Y'FYXi n]Yfi b['XYf'8i fW\ZU\f[YgW\k]bX][_Y]h'ni 'ZOfXYfbž k]Y'VY]gd]Y`gk Y]gY'X]Y'5b\YVi b['j cb'D`UhYUi g'Ub'XYb 9]ba ØbXi b[Ybž'Ei Yfi b[g\]`ZYb'ZØf': i » [Ab[Yf'i bX'VY[fØbhY 9]bYb[i b[Yb"'5i W\X]Y'? bchYbdi b_hVYfY]W\Y'k YfXYb'VUff]YfYZfY][YghU`hYh'"

BYVYb'X]YgYb'9fbYi Yfi b[Yb'k]fX'Ui WX'X]Y'6i g\U`hYghY``Y
JY`h\Y]a ghfU» Y#GW\]`Xck Yf'GhfU» Y'VUff]YfYZfY]'[YghU`hYhi bX'ZØf
a cV]`]hÀhgY]b[YgWXfÀb_hY'DYfgcbYb'Ub[YdUggh"8i fWX
XYnYbhfU`Yg'FY[Ybk UggYfa UbU[Ya Ybh'k]fX'XUg
B]YXYfgWX`U[gk UggYf'ni _ØbZh]['hY]`k Y]gY'Xi fWX'Y]bY'k UggYf!'i bX
`i ZhXi fWX`Àgg][Y'DZ'UghYfVUi k Y]gY'XYf': U\fVU\bZ`ÀWXYb'gck]Y
Xi fWX'JYfg]W_Yfi b[ga Ò[`]WX_Y]hYb']b'XYb'i bVYZYgh][hYb

GY]hYbVYfY]WXYb'[Y`Y]hYh"'8]Yg'X]Ybh'Ui WX'XYf'5bdUggi b['Ub'X]Y Yfk UfhYhYb'5i gk]f_i b[Yb'XYg'?`]a Uk UbXY`g"'

 $\begin{tabular}{ll} $$\dot \aligned $\dot \al$

8]Y'5bk c\bYf]bbYb'i bX'5bk c\bYf'k i fXYb'VYfY]hg'ØVYf'X]Y VYj cfghY\YbXYb'9]bgWkfÀb_i b[Yb']bZcfa]Yfh"'Hfchn'Yhk U][Yf I bUbbY\a`]W_Y]hYb'k À\fYbX'XYf'6Ui UfVY]hYb'k]fX'i a JYfghÀbXb]g'ZØf'X]Y'Bchk YbX][_Y]h'XYg' \(\dagger \

8 Y hU]`q

6Ygi WXYb G]Y i bg Ui Z. a Y]b!VYf`]b bYh