

%+ `]bhYfYggUbhY : U_hYb `ØVYf `X]Y 6U\Ua Ug

Jcb fY_cfXj YfXÀWk h][Ya : fY]hUi Wk Yb V]g \]b ni a mghYf]ÒgYb gWk k]a a YbXYb GWk Y]bYb hY] Yb k]f X]Y]bhYfYggUbhYghYb : U_hYb ØVYf X]Y 6U\Ua Ugž X]Y k]f VY] i bgYfYa _i fnYbž UVYf gØ» Yb 6Ygi Wk [YgUa a Y`h \ UVYb K]f \ UVYb b]Wk hUbbà\YfbX [Ybi [NY]h Ui Z XYb 6U\Ua Ug j YfVfUWk hž UVYf VY] +\$\$ \Delta gY`b Z X]Y Yg ni Yf_i bXYb []`hž _ Ubb a Ub k c\`gU[Ybž X Ugg X Ug b]Ya UbX hi h' K]f j YfVfUWk hYb i bgYfY _i fnY NY]h Ui Z XYf \Delta gY`9 Yi h\YfU a]h GWk]a a Ybž GWk bcfWk Y`b i bX GcbbYbVUXYb a]h Y]b c XYf nk Y] 6U\Ua U A Ua Ug U`g Ni [UVY 8]YgY; fi ddY _Uf]V]gWk Yf \Delta gY`b]ghj]Y``Y]Wk h Ua VY_UbbhYghYb U`g GhYi Yfc UgYž UVYf Yg []Vh'i bnÀ\`][Y]bhYfYggUbhY : U_hYb ØVYf X]Y 6U\Ua Ugž X]Y]\ fY fY]Wk Y; YgWk]Wk hY / Ua d\Y``]d/

Jcb'fY_cfXj YfXÀWkh][Ya': fY]hUi WkYb'V]g'\]b'ni 'a mghYf]ÒgYb gWkk]a a YbXYb'GWkkY]bYb'hY]`Yb'k]f'X]Y']bhYfYggUbhYghYb : U_hYb'ØVYf'X]Y'6U\Ua Ugž'X]Y'k]f'VY]'i bgYfYa '_i fnYbž'UVYf gØ» Yb'6Ygi Wk'[YgUa a Y`h'\UVYb

K]f`\UVYb`b]W\h`UbbÀ\YfbX`[Ybi[`NY]h`Ui Z`XYb`6U\Ua Ug j YfVfUW\hž`UVYf`VY]`+\$\$`\dgY`bž`X]Y`Yg`ni `Yf_i bXYb`[]`hž`_Ubb a Ub`k c\``gU[Ybž`XUgg`XUg`b]Ya UbX`hi h"

K]f'j YfVfUW\hYb'i bgYfY'_i fnY'NY]h'Ui Z'XYf' ⊕gY`'9`Yi h\YfU'a]h GW\k]a a Ybž'GW\bcfW\Y`b'i bX'GcbbYbVUXYb' 'a]h'Y]b'cXYf'nk Y] 6U\Ua U'A Ua Ug'U`g'Ni [UVY"

8]YgY; fi ddY:_Uf]V]gW\Yf'≠gY`b']gh'j]Y``Y]W\h'Ua 'VY_UbbhYghYb U`g'GhYi YfcUgYž'UVYf'Yg'[]Vh'i bnÀ\`][Y']bhYfYggUbhY: U_hYb'ØVYf X]Y'6U\Ua Ugž'X]Y']\fY'fY]W\Y; YgW\]W\hY'i bX'bUhØf`]W\Y GWX Ob Y]h'j YfUbgWX Ui `]WXYb" = a : c`[YbXYb'hY]`Yb'k]f'X]Y'VYghYb' cb'] bYb"

=bhYfYggUbhY: U_hYb @VYf X]Y 6U\Ua Ug

- &" 5bXfcg'=g`UbX'Ui Z'XYb'6U\Ua Ug'j YfZØ[h'ØVYf'XUg'&&)'_a
 `Ub[Y'5bXfcg'6Uff]Yf'FYYZ' 'Y]bYg'XYf'`Àb[ghYb'XYf'K Y`h"
 fEiY``Y.'@cbY`m'D`UbYhŁ
- ' " 5i Z'XYb'6U\Ua Ug``UbXYhY'7\f]ghcd\'?c`i a Vi g i fgdfØb[`]W\']b'5a Yf]_U.']b'GUb'GU`j UXcf']a '\\f'%(- &" fEiY``Y.'7=5'K cf`X': UWN/cc_Ł
- ("8]Y'6U\Ua Ug'_Ua Yb'%+%, 'i bhYf'Vf]h]gW\Y'<YffgW\UZh"'G]Y kifXYb'%-+''Y]b'ibUV\Àb[][Yg'@UbX']bbYf\U`V'XYg 7ca a cbk YU`h\"'fEiY``Y.'6f]hUbb]WUŁ
-) "8]Y'6U\Ua Ug'g]bX'Y]bYg'j cb'%*'7ca a cbk YU`h\'FYU`a g/@\bXYfžX]Y'?\Ob][]b'9`]nUVYh\'="'U`g']\fY'A cbUfW\]b
 VY]VY\U`hYb"'8]Y'UbXYfYb'g]bX'5bh][i U'i bX'6UfVi XUž
 5i ghfU`]Ybž'6UfVUXcgž'6Y`]nYž'?UbUXUž'; fYbUXUž'*Ja U]_Už
 BYi gYY`UbXž'DUdi U!BYi [i]bYUž'Gh"'@ W]Už'X]Y'GU`ca cbYbž
 Gh"'?]hhg'i bX'BYj]gž'Gh"'J]bWbh'i bX'X]Y'; fYbUX]bYbž
 Hi j U`i 'i bX'bUhØf`]W\'XUg'JYfY]b][hY'?\Ob][fY]W\"'fEiY``Y.
 FcmU`"i_Ł

'U`h1]bhYfYggUbhY 'ZU_hYb'ØVYf'X]Y 'VU\Ua Ug. 'gW\k]a a YbXYgW\k Y]bY 26`i YCfUb[Y'Ghi X]c#G\i hhYfghcW'8]Y 'VYfØ\a hYbgW\k]a a YbXYb'GW\k Y]bY'XYf'6U\Ua Ug

%" 8]Y'i bVYk c\bhY'\degY``6]['A U'cf'7Um']a '9|i a U!8]ghf]_h XYf'6U\Ua Ug']gh'X]Y'<Y]a Uh'Y]bYf'_`Y]bYb'?c`cb]Y'b]Wh\\Y]a]gW\Yf' GW\k]a a gW\kY]bY "'9g'k]fX'Ub[Ybca a Ybz'XUgg'g]Y'j cb'GYY`Yi hYb'ni fØW_[Y`UggYb'k i fXYbz'X]Y ni fØW__Y\fYb'i bX'g]Y'_cW\Yb'k c``hYbz'cXYf'XUgg'g]Y'j cb Y]bYa 'bU\Y'[Y`Y[YbYb'GW\]ZZgk fUW_\YfØVYf[YgW\k ca a Yb'g]bX"'HfU[]gW\Yfk Y]gY'\Uh'X]Y\\YfZØhhYfi b['Xi fW\'Hci f]ghYb'ni a 'HcX'a Y\fYfYf

- &" 8 Y f`\ OW\ ghY`;]d ZY``XY f`6 U\ Ua Ug`]gh`XY f`A ci bh'5`j Y fb]U Ui Z'7 Uh'=g`Ub X"'8 Y f`b]W\ h`[Ubn`\c\Y`;]d ZY``Y f\YV h`g]W\ '*' a `f&\$*`ZhŁ`ØVY f`XYa `A YY fY ggd]Y[Y`"'fE i Y``Y. `6 U\ Ua UgŁ
- '" 8 Y U b g '6 `i Y ' < c `Y 'U i Z `X Y b '6 U \ U a Ug ']gh `X]Y 'n k Y]hh]Y Zgh Y f \ Y _ U b b h Y \ \ 8 c `]b Y ']a ' C n Y U b " A]h Y]b Y f `H]Y ZY 'j c b ' & \$ & `a]gh `Y g `X Ug `n k Y]h[f Ò » h Y 'b U W '8 f U [c b ' < c `Y ']a G Ø X W]b Y g]g W Y b ' A Y Y f ž `X Ug `Y]b Y 'H]Y ZY 'j c b ' '\$ a '\ U h " : f Y]h U i W Y f '_ca a Y b 'n i '8 Y U b g '6 `i Y ' < c `Y ž i a K Y `h f Y _c f X Y 'n i 'j Y f g i W Y b " f E i Y ``Y . '6 6 7 \ Ł

'U`h1 8 Y U b g '6`i Y '< c`Y 'U i Z'XY b '6 U \ U a U g 2 GB: #7 7 '6 M B 7 ! B 8 '&"\$ 8 Y U b g '6`i Y '< c`Y 'U i Z'XY b '6 U \ U a U g

- %" A Y\fYfY`Dfca]bYbhY`\UVYb`[UbnY`±gY`b`Ui Z'XYb 6U\Ua Ug`[Y_Ui Zhž'XUfi bhYf`G\U_]fUž'≈\bbm`8 Yddž'9XX]Y A i fd\mi bX`XYf`=`i g]cb]gh`8 Uj]X`7cddYfZ]Y`X"`fE i Y``Y. <c``mk ccX`F YdcfhYfž'A YbgW\YbŁ
- &" 8]Y'6U\Ua Ug'VY\YfVYf[Yb'Y]bYg'XYf'`Àb[ghYb I bhYfk UggYf\O\`YbgmghYa Y'XYf'K Y`h"'8Yf'@ WUmUb! BUh]cbU`dUf_'Ui Z'; fUbX'6U\Ua U'=g`UbX'gW\Øhnh'XUg <O\`YbgmghYa 'ni gUa a Yb'a]h'Yf\U`hYbYb', VYffYghYb'XYf @ WUmUb!\DX]UbYfz'XYf'I fY]bk c\bYf'XYf'\DgY`b"'fEi Y``Y. 6U\Ua Uq'BUh]cbU`'Hfi ghŁ
- '"8Yf`5ghfcbUi h`7\f]g`<UXZ]Y`X`bUbbhY`X]Y`6U\Ua Ug`XYbgW\ÒbghYb`Cfh`XYf`9fXYž'k]Y`a Ub`]\b`j ca `K Y`hfUi a `Ui gg]Y\h" 8]Y`6U\Ua Ug`g]bX`ki bXYfgW\Òb ž`gU[hY`Yf" 8Yfh]YZY`; fUVYb`]a `A YYfYgVcXYbž`XYf`U`g`Ni b[Y`XYg`CnYUbgVYnY]W\bYh`k]fX`i bX`nk]gW\Yb`XYb`≢bgY`b`j Yf`Ài Zhž`\Uh`X]YgW\ÒbghY`h]YZY`≢bX][cZUfVY" `fEiY``Y.`H\Y`HY`Y[fUd\Ł

'U`h1 X]Y cnYUbni b[Y'Ui Z'XYb'VU\Ua Ug 2: U]fY'Bi hni b['8]Y Ni b[Y'XYg'CnYUbg'j ca 'K Y`hfUi a 'Ui g'[YgY\Yb

%" 8]Y 6U\Ua Ugʻg]bX XUgʻgYW\ghhYi YfghY @UbX XYfʻK Y`hʻni a @YVYbžʻ[Ya YggYbʻUa 'DfY]gʻj cbʻ) \$ '5``hU[g[Y[YbghÀbXYbž j cbʻ9ggYbʻi bX 'Hf]b_YbʻV]gʻ\]bʻni 'HfUbgdcfh'i bX I bhYf_i bZh" Bi fʻX]Y GW\k Y]nž Bcfk Y[Ybžʻ\\\\ JubXž'\\\JubUb

- &" 8]Y'6U\Ua Ug'g]bX'ZØf']\f'hc``Yg'[Ubn'À\f][Yg'?`]a U VY_Ubbh"'8]Y'8ifW\gW\b]hhghYa dYfUhif'j Uf]]Yfh'nk]gW\Yb &%..7']a 'K]bhYf'ibX'&+..7']a 'Gca a Yf"'9I hfYa Y'ZU``Yb gY`hYb'i bhYf'%*..7'cXYf'ghY][Yb'ØVYf''&..7"'fEiY``Y. 6f]hUbb]WUŁ
- ' " 9]bY'XYf']bhYfYggUbhYghYb'HUhgUW\Yb'ØVYf'X]Y'6U\Ua Ug
]ghž'XUgg'GW\]ZZgY][bYf']\fY'GW\]ZZY'\Ài Z]['Xcfh'ZØf
 GhYi Yfnk YW_Y'fY[]ghf]YfYb"'8]YgY'nk Y]ZY`\UZhY'DfUI]g
 ZØ\fh'XUni ž'XUgg'XUg'@UbX'X]Y'k Y`hk Y]h'Xf]hh\ÒW\ghY'NU\`
 fY[]ghf]YfhYf'GW\]ZZY'\Uh"'?fYi nZU\fhgW\]ZZY']b'XYf'?Uf]V]_
 \]ggYb'cZh'X]Y': `U[[Y'XYf'6U\Ua Ug' 'Ui W\'U`g
 6]``][Z'U[[Y 'VY_Ubbh"'fEi Y``Y.'H\Y'; cj Yfba Ybh'cZ'h\Y
 6U\Ua UgŁ

'U`h1 K]ggYbgk YfhYg'ØVYf'X]Y'6U\Ua Ug. '?fYi nZU\fhgW\]ZZ 2 \approx \b K c``k Yfh\#G\i hhYfghc W_- '<]ggYb'XYf': `U[[Y'ZØf'X]Y'6U\Ua Ug

- %" 5i Z'XYb 6U\Ua Ug'[]Vh'Yg']a a Yf'bcW\'X]Y 'HcXYgghfUZY" CVk c\``XUg'@UbX']b 'XYf'DfUl]g'U`g'UVc`]h]cb]gh]gW\
 Ub[YgY\Yb k]fXž'gU[hY'; YbYfU`ghUUhgUbk U`h'7Uf`'6Yh\Y`
]a '\\f'&\\$%- z'XUgg'X]Y 'HcXYgghfUZY 'Y]b 'HY]` 'XYg
 VU\Ua U]gW\Yb FYW\hg'V`Y]VYb k]fX.' 5`g'cVYfghYf
 \(\delta\) gh]nVYUa hYf'XYf'BUh]cb'_Ubb']W\'VYgh\(\delta\)h][Ybz'XUgg'X]Y
 Dcg]h]cb'XYf'6U\Ua Ug'ni f'HcXYgghfUZY'X]Yg'b]W\h'[YhUb\\Uh'[Y\(\delta\)bXYfh'i bX'k]fX'g]W\'k U\fgW\Y]b`]W\']b'UVgY\VUfYf
 NY]h'b]W\\h'\(\delta\)XYfb" 'fE i Y``Y.'667\E
- &" $7f]W_Yh^*]gh^*XYf^*BUh]cbU^*gdcfh^*XYf^*6U^*Ua Ug^*^9g^*[UV^*YXcW^*Y]bY^*Ub[^A^f][Y^6Yk Y[i b[ži a 'Yg^*]b' GW^U^*i ddYbgY[Y^b'i a ni k UbXY^b"^fE i Y^*Y.^H\Y^Hf]Vi bYŁ$
- ' " 8]Y '6U\Ua Ug'k i fXYb 'U`g'8fY\cfh']b 'nU\`fY]W\Yb':]`a Yb j Yfk YbXYhž'XUfi bhYf'H\i bXYfVU```i bX '♣)hc 'h\Y'6`i Y" GnYbYb 'Ui g'≯Jk g. 'H\Y'F Yj Yb[Y'k i fXYb 'Ua 'k Ygh`]W\Yb GhfUbX'j cb 'BYk 'Dfcj]XYbWY '♣g`UbX'[YXfY\hž'XYf'\Yi hY'U`g ≯Jk g'6YUW\'VY_Ubbh']gh"'fE i Y``Y. '8Yf'K ÀW\hYfŁ

 $K Ybb G]Y j cf\UVYbžX]Y 6U\Ua Ug ni VYgi WXYb fi bX XUg gc ``hYb G]Y k]f_`]WX hi bŁ zgc ``hYb G]Y Y]bY J c ``[Yg]WX hg! GWX bc fWXY a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX hg! GWX bc fWX by a Ug_Y fi bY J c ``[Yg]WX by a Ug_Y fi bY J c ``[Yg]WX by a Ug_Y fi bY J c ``[Yg]WX by a Ug_Y fi bY J c ``[Yg]WX by a Ug_Y fi bY J c ``[Yg]WX by a Ug_Y fi bY J c ``[Yg]WX by a Ug_Y fi bY bY J c ``[Yg]WX by a Ug_Y fi bY bY bY bY bY bY$

Y]bdUW_Yb"'K]f'j Yfk YbXYb'i bX'Ya dZY\`Yb'5f]U'E F \check{Z} 'j cb'C WYUb FYYZ"

- 'U`h1 2
- 'U`h1 2
- 'U`h1 2

'U`h1 2

@Y]hV]`X. 5h`Ug'/ 6cchg

•

8 Y hU]`a

6Ygi WXYb'G]Y'i bg'Ui Z.'Y]bY!fY]gY"XY