@cdYnž'k \c'k Ug'Y`YWhYX'Ug'g\Yf]ZZ']b'Bcj Ya VYf'&\$&\$z']g'bc
ghfUb[Yf'hc'h\Y'di V`]WYmYz'Vi h'h\Y'k Y][\h'cZ'h\YgY'U``Y[Uh]cbg
Wci `X'W\Ub[Y'Yj Yfmh\]b["'H\Y'[Ua V`]b['f]b[z'XYgWf]VYX'Ug

@U_Y'7ci bhmž: `cf]XUž'I G5 '!'Gi gdYbXYX'CgWYc`U'7ci bhm G\Yf]ZZ'A UfWcg'@cdYn'Z]bXg'\]a gY`Z'Ya Vfc]`YX']b'U'Y[U` k \]f`k]bXž'`]b[Yf]b[']b'@U_Y'7ci bhm`&J]`'U'Z ```k YY_'UZhYf'\]g'\$ bY * 'UffYgh"'H\Y'ghU_Yg'Wci `Xb h'VY'\][\Yf.'\Y g'ZUW]b['gYf]ci g W\Uf[Yg'cZ'fUW_YhYYf]b['UbX'Wcbgd]fUWm'fY`UhYX'hc'U'a Ugg]j Y]`Y[U``[Ua V`]b['cdYfUh]cb'h\Uh'U``Y[YX`m'fU_YX']b'cj Yf'` &%"* a]``]cb']b']``]W]h'dfcWYYXg"'5g'h\]g'\][\!dfcZ]`Y'WUgY'i bZc`Xgž']h Vf]b[g'k]h\']h'U'g][b]Z]WUbh'Ua ci bh'cZ'gWfi h]bm'UbX'dfYggi fY'cb h\cgY']bj c`j YX']b'h\Y'dfcgYW h]cb'UbX'h\Y'f X]W]U``dfcWYgg'g"



GigdYbXYX`CgWYc`U`G\Yf]ZZ`AUfWcg`@cdYn`ZUWYg fUW_YhYYf]b[`W\Uf[Yg`]b`@U_Y`7cibhm`fY`UhYX`hc`U`aUgg]jY]``Y[U``[UaV`]b[`cdYfUh]cb"

GigdYbXYX`CgWYc`U`G\Yf]ZZ`AUfWcg`@cdYn : UWYg`AU^cf`@Y[U``6Uhh`Yg`5\YUX

Hc 'gYW fY '\]g fY YUgYž @cdYn g VcbX '\Ug VYYb 'gYh'Uh'U 'ghU[[Yf]b['%a]``]cbž Wcbh]b[Ybh'i dcb'dfcj]b['h\Uh'\]g Z bXg UfY 'gci fWYX Y[]h]a UhY`m' 'Ub'c ZhYb'h]a Y!Wcbgi a]b['dfcWYgg fYei]f]b[a Yh]W `ci g XcW a YbhUh]cbž]bWi X]b['dUm'ghi Vg UbX dfcdYfhm gU`Y fYWcfXg" `scg\]'YI dfYggYX WcbZ]XYbWY h\Uh'@cdYn]g bch'U Z][\hf]g_ 'UbX Ubh]W]dUhYg U fcVi gh'XYZYbgY Zfca '\]g W]Ybh"

@Y[U``DfcWYYX]b[g`5\YUX

H\Y`:`cf]XU`5hhcfbYm; YbYfU`g`CZZ]WYž`YX`Vm`>Ua Yg`Ih\a Y]Yfž Ya d\Ug]nYg`h\Uh`di V`]WcZZ]W]U`g`a i gh`VY`\Y`X`UWWci bhUV`Y" @Uk g`Udd`m`hc`Yj YfmcbYž `Ih\a Y]Yf`bchYXž`Ug`\Y`WcbZ]fa YX`h\Y cb[c]b[`]bj Ygh][Uh]cb`k \]W\`a][\h`fYj YU``Yj Yb`a cfY]a d`]WUh]cbg`Zcf`@cdYn`UbX`ch\Yfg`]bj c`j YX`]b`h\]g`cdYfUh]cb"`H\Y a i`h]!U[YbWmYZZcfh`]bj c`j]b[`<ca Y`UbX`GYW'f]hm`=bj Ygh][Uh]cbg UbX`:`cf]XU`8YdUfha Ybh`cZ`@Uk `9bZcfWYa Ybh`\Ug`fYj YU`YX`U bYhk cf_`h\Uh`@cdYn`UddUfYbh`m`dfchYWhYX`i g]b[`\]g`dcg]h]cb"

H\Y`WUgY`XYhU]`g`UfY`ghU[[Yf]b["`@cdYn`]g`bch`cb`m`UVWYgY`cZ Wcbgd]fUWm`Vi h`U`gc`ZUWYg`UXX]h]cbU``W\Uf[Yg`]bWi X]b[`a cbYm `Ui bXYf]b[ž`]``Y[U``dcggYgg]cb`cZ`g`ch`a UW\]bYgž`UbX`cVghfi Wh]b[`Uk `YbZcfWYa Ybh`YZZcfhg"`=h g`WU]a YX`h\Uh`\Y`fYWY]j YX`WJa dU][b Wcbhf]Vi h]cbg`UbX`dYfgcbU``dUma Ybhg`Zfca `h\Y`[Ua V`]b[cdYfUh]cb`hc`\Y`d`g\]Y`X`]h`Zfca `gWfi h]bm"`=b`U``Yb[h\m&))!dU[Y UZZ]XUj]hž`]bj Ygh][Uhcfg``U]X`VUfY`k \Uh`h\Ym`hYfa YX`Ub` YI hfYa Y VfYUW\`cZ`di V`]Whfi gh" `HYI h`a YggU[Yg`Zfca `Ug`ZUf`VUW_`Ug`&\$%-U``Y[YX`m`]a d`]WJhY`@cdYn`]b`gci fW]b[``cWJh]cbg`Zcf`[Ua V`]b[UWh]j]h]Yg`UbX`X]gWjgg]b[`]``]W]h`g`ch`a UW\]bY`d`UWYa Ybhg"

8 Y hU]`g'c Z'h\Y'7 \Uf[Yg

 $\begin{array}{l} \label{eq:2.1} \label{eq:2.2} \label{eq:2.2$

6Ygi WkYb'G]Y'i bg'Ui Z.'a Y]b!k]Yb"bYh

Cfh @U_Y'7ci bhmž: `cf]XUž'I G5 EiY``Yb • k k k "W]W_cf`UbXc"Wca • UVWbYk g"[c"Wca	
 UVWbYkg"[c"Wca 	
• k k k "a mZ`cf]XU`Y[U`"Wca	

5XX]h]cbU``XYjY`cdaYbhg`UfY``]_Y`mž`[]jYb`h\Y`cb[c]b[`bUhifY`cZ h\Y`]bjYgh][Uh]cbž`k]h\`acfY`UffYghg`YIdYWhYX"`5g`UWW'gUh]cbg Z`mž`h\Y`Wcaaib]hm`kUhW\Yg`WcgY`mž`WUi[\h`]b`h\Y`Wfcgg\U]fg`cZ gWUbXU``UbX`diV`]WUVWcibhUV]`]hm"

d`UW]b[`7\f]ghcd\Yf`6`UW_a cb`]b`W\Uf[Y`Ug`h\Y`]bhYf]a `g\Yf]ZZ Xi f]b[`h\]g`hi a i `hi ci g`h]a Y"`=g`h\]g`h\Y`YbX`cZ`@cdYn g`WUfYYf`cf a YfY`m`U`Vi a d`]b`h\Y`fcUX3`Cb`m`h]a Y`k]```hY``ž`Ug`h\Y]bj Ygh][Uh]cb`Wcbh]bi Yg`hc`i bfUj Y`"`5g`h\Y`bUffUh]j Y`XYYdYbgž : `cf]X]Ubg`UfY``YZh`hc`dcbXYf`h\Y`VfcUXYf`]a d`]WUh]cbg`cZ`gi W\`U VfYUW\`cZ`hfi gh`Zfca `Ub`Y`YWhYX`cZZ]W]U`"

5gʻh\Yʻg]hi Uh]cbʻghUbXgžʻi X[Yʻ9a]`mʻ7i f]b[hcbʻ\Ugʻgh]di`UhYX h\Uhʻ@cdYnʻa i ghʻU`gcʻVYʻ; DGʻa cb]hcfYXʻUbXʻgi ffYbXYfʻ\]g dUggdcfhʻ]Zʻ\Yʻa UbU[YgʻhcʻVYʻfY`YUgYX"ʻH\YʻbYI hʻWci fhʻXUhYʻ]g gYhʻZcfʻi bYʻ' \$žʻUbXʻUgʻ]hʻUddfcUWXYgžʻU``YmYgʻk]``VYʻcbʻh\]g i bZc`X]b[ʻXfUa Uʻh\Uhʻ\Ugʻ[f]ddYXʻ7YbhfU``: `cf]XUʻh][\h"

; cj Yfbcf F cb 8 YGUbh]g \ Ug U`fYUXm gi gdYbXYX @cdYn Zfca Xi hmž