

' \$ ' > U \ f Y ' 6 I B 8 ! 5 i Y b n Y b h f i a . ' 9 f Z c ` [Y ' Z Ø f
B U h i f ' i b X ' ? `] a U g W \ i h n '] b ' X Y f ' F Y [] c b

: Y] Y f b ' G] Y ' a] h ' i b g ' ' \$ ' > U \ f Y ' 9 f Z c ` [Y ' X Y g ' 6 I B 8 !
5 i Y b n Y b h f i a g '] b ' @ Y b n Y b . ' j c b ' X Y i h '] W \ Y b ' : c f h g W \ f] h h Y b '] a
5 f h Y b ! ' i b X ' < c W \ k U g g Y f g W \ i h n ' V] g ' n i f ' b U W \ \ U ' h] [Y b
F Y b U h i f] Y f i b [' X Y f ' 9 ' V Y " ' 9 b h X Y W _ Y b ' G] Y ž ' k] Y ' k] f ' X i f W \
] b b c j U h] j Y ' D f c ' Y _ h Y ' k Y f h j c ` ` Y ' @ Y V Y b g f Å i a Y ' g W \ U Z Z Y b ' i b X
n i ' Y] b Y a ' Y Z Z Y _ h] j Y b ' ? `] a U g W \ i h n ' V Y] h f U [Y b " ' 9 f Z U \ f Y b ' G] Y
a Y \ f ' Ø V Y f ' X] Y ' N i _ i b Z h g d Y f g d Y _ h] j Y b ' i b X ' b Y i Y b ' ð] h] U h] j Y b
Z Ø f ' X] Y ' 9 ' V h U ' U i Y "



6l B8 'ZY]Yfh' \$'J\fy'9fZc`[g[YgW]W hY. '5a 'i ZYf'XYf'9'VY'↑ VY'b
l a k Y'hgWØmYf'ØVYf'VU\bVfYWYbXY'9fZc`[Y''# '6Yf']bž'6cbb
i bX'@YbnYb'k]fX'\Yi hY'Y]b' [fc» Yg: Ygh' [YZY]Yfh' 'i bX'XUg'Ui g
[i hYa ' ; fi bX' '8 Ug'6l B8!5i YbnYb' hfi a ž'k]Y'Y]b' GhYfb'Ua
<]a a Y'XYg'BUhi fgW'i mYg''Yi W'hYbXž'\Uh'gY]h'gY]bYf'; fØbXi b[
Y]bYb'VYY]bXfi W_YbXYb'6Y]hfU['ni f'K]YXYfVY'YVi b['XYf
'i ggUi Yb' [Y'Y]ghYh' '9]b : Ygh'ZØf'X]Y'BUhi f'i bX'Y]b'; fi bX'ni f

: fYi XY Z0f'U`Yž'X]Y`Ub`XYb`Dfc`^_hYb`a`]h[Yk]f_h`\UVYb`°

A]h'Ghc`n`V`]W_Yb`X]Y`J`YfUbhk`cfh]W_XYb`Ui`ZX]Y`YhnhYb`XfY]
>J\fnY\`bhY`ni`f0W_""5b`VYgU[hYa`C`fhž`XYf`6i`f[`@YbnYb`Ub`XYf`
9`VYž`\UVYb`j`j]Y`Y`Yb[U[]YfhY`A`YbgW_XYb`]fYb`HY]`XUni
VY][YhfU[Ybž`XUgg`X]Y`5i`Yb`Ub`XgW`UZh`b]W`h`bi`f`0VYf`YVhž
gcbXYfb`YfV`0`h`]gh""`I`bgYfY`9fZc`[Y`g]bX`a`Y`f`U`g`bi`f`NU\`Yb`
g]Y`g]bX`@YVYbgf`Ai`a`Y`Z0f`gY`hYbY`5fhYb`i`bX`GW`i`hna`Y`W`Ub]ga`Yb`
[Y[Yb`<c`W`k`UggYf`°`ž`gc`X]Y`K`cfhY`j`cb`C`U`Z`6`Ub`X`hž`XYa`
J`c`fg]hnYbXYb`XYg`6I`B`8`°

⇒a`d`c`g`U`b`h`Y`D`f`c`^`_`h`Y`°`9]b`H`f]i`a`d`\`Z`0`f`X`Y`b`
B`U`h`i`f`g`W`i`h`n`°

B]W`h`bi`f`]b`6`f`U`b`X`Y`b`Vi`f[ž`gcbXYfb`XYi`hgW`Ub`X`k`Y]h`\`Uh`X`U`g`
6I`B`8!5i`YbnYb`hfi`a`Ub`nk`Y]`XYf`j`]Yf`[f0»`hYb`
8Y]W`f0W_j`Yf`Y[i`b[Yb`a`]h[Yk]f_h`I`bX`X`U`g`\`Uh`g]W`V`Y`n`U`\`h`
[Ya`U`W`h`G`h`c`n`Y`&\$`D`f`c`n`Y`b`h`U`b`°,`V`Y`f`g`W`k`Ya`a`i`b[gZ`A`W`Y`b`g]b`X`
gY]h`&\$`\$`-`k`]Y`X`Y`f`\`Y`f[Y`ghY`h`k`c`f`X`Y`b`ž`X`U`b`_`X`Y`f`I`b`h`Y`f`g`h`0`h`ni`b[`X`Y`g`
6i`b`X`Y`g`U`a`h`Y`g`Z`0`f`B`U`h`i`f`g`W`i`h`n`f`b`Z`B`Ł`i`b`X`X`Y`g`
6i`b`X`Y`g`i`a`k`Y`h`a`]b]ghYf]i`a`g`°

8]Y`8Y]W`f0W_j`Yf`Y[i`b[`@YbnYbYf`9`V`h`U`Ui`Y`°`X`U`g`Y`f`g`h`Y`
;`f`c`»`d`f`c`^`_`h`g`Y]b`Y`f`5`f`h`°`<]Y`f`k`i`f`X`Y`b`b]W`h`bi`f`(`&\$`<`Y`_`h`U`f`
Y`Y`a`U`]Y`f`°,`V`Y`f`g`W`k`Ya`a`i`b[gZ`A`W`Y`b`ni`f0W_[Yk`c`b`b`Y`b`ž`
gcbXYfb`Y]b[`U`b`n`Y`g`A`c`g`U]_`Ui`g`@YVYbgf`Ai`a`Yb`[Y`g`W`U`Z`Y`b`"
G`W`k`U`f`n`g`h`0`f`W`Y`ž`:]g`W`c`h`h`Y`f`i`b`X`n`U`\`f`Y]W`X`Y`k`Y]h`Y`f`Y`5`f`h`Y`b`Z]b`X`Y`b`
\`Y`f`Y]b`Ni`\`Ui`g`Y`°`ž`g`W`]`X`Y`f`h`X]Y`6`Z`B!`D`f`A`g]X`Y`b`h]b`G`U`V]b`Y`
F]Y`k`Y`b`\`Y`f`a`"K`A`\`f`Y`b`X`X`Y`g`>J`\`i`b`X`Y`f`h`c`W`k`U`g`g`Y`f`g`&\$`%`°`_`U`a`
X]Y`g`Y`:`A`W`Y`X`Y`f`F`Y[]c`b`Y`b`h`g`W`Y]X`Y`b`X`ni`[i`h`Y`ž`]b`X`Y`a`g]Y`X`Y`b`
K`U`g`g`Y`f`g`d]Y[Y`i`a`Z`U`g`h`)`\$`N`Y`b`h]a`Y`h`Y`f`g`Y`b`_`h`Y`°

9]b`k`Y]h`Y`f`Y`f`9`f`Zc`[`]gh`X]Y`9`b`h`k`]W`_`i`b[`X`Y`f`°`<c`\`Y`°;`U`f`V`Y`°5`i`Y`b`
]a`F`U`a`Y`b`X`Y`g`D`f`c[f`U`a`a`g`°`@YVYbX][Y`5`i`Y`b`Z`0`f`X]Y`9`V`Y`°°`<]Y`f`
k`i`f`X`Y`X`Y`f`k`Y`f`h`j`c`h`g`h`Y`5`i`Y`b`k`U`X`X`Y`f`F`Y[]c`b[Y`g`W`0`h`n`h`i`b`X`
k`Y]h`Y`f`Y`(`&\$`<`Y`_`h`U`f`b`U`h`i`f`b`U`\`Y`:`A`W`Y`b`[Y`g`W`U`Z`Y`b`"C`U`Z`6`Ub`X`h`
g]Y`\`h`]b`X]Y`g`Y`b`9`b`h`k`]W`_`i`b[Y`b`Y]b`\`Y`f`j`c`f`f`U[Y`b`X`Y`g`6`Y]g`d]Y`X`U`Z`0`f`ž`
k`]Y`B`U`h`i`f`g`W`i`h`n`i`b`X`°`c`_`U`Y`°`h`Y`f`Y`g`g`Y`b`<`U`b`X`]b`<`U`b`X`[Y`Y`Y`b`

_ÖbbYb°

5i ZVfi Wł 'ni 'bYi Yb 'l ZYfb ' '8 Ug 'bÀWł ghY
[fc» Y 'Dfc ^Y _h°

I bX'X]Y '9fZc` [g[YgWł]Wł hY ' [Y\h'k Y]hYf' < Yi hY 'k i fXY
VY_Ubbh[Y [YVYbž'XUgg'XUg'6l B8!5i YbnYbhfi a 'YfbYi hij cb'XYf
6ZB!: ÖfXYfi b ['dfcZ]h]YfYb 'k]fX'" ã '6i bXYgdfc[fUa a ' 6`Ui Yg
6UbX 'k]fX'X]Y ' 5i YbYbhk]W_`i b [']b'XYf'VfUbXYbVi f []gWł Yb
9`VhU`Ui Y 'a]hifi bX' (%\$"\$\$\$ '9i fc'i bhYfghØhnh' <]Yf'k]fX
<cWł k UggYfgWł i hn'a]h'XYf'K]YXYf\YfghY`i b ['XYf'5i k ÀXYf
_ca V]b]Yfh' `Y]b'YWł hYg'J cfnY][Ydfc ^Y _hž'XUg'Ui Wł ZØf'UbXYfY
FY []cbYb'k Y [k Y]gYbX'gY]b'_ÖbbhY°

K]f'\UVYb'\]Yf'Ub'XYf'9`VY'b]Wł h'bi f'@YVYbgfÀi a Y' [YfYhhYhž
gcbXYfb'Ui Wł 'Y]bY'Ni _i bZh'ZØf'X]Y 'FY []cb' [Yg]Wł Yfh' ž'nY][h'g]Wł
A Y]_Y'? `Y]bk ÀWł hYfž'X]Y '@Y]hYf]b'XYg'6l B8!5i YbnYbhfi a gž
j c`Ui ZVY [Y]ghYfh'8]Y'5i Yb'g]bX'b]Wł h'bi f'Y]b'F ØW_ni [gcfh'ZØf
j]Y'Y'5fhYbž'gcbXYfb'Ui Wł 'Y]b'YbhgWł Y]XYbXYf': U_hcf'ja '?Ua dZ
[Y [Yb'XYb'? `]a Uk UbXY'"8i fWł 'XUg'GdY]Wł Yfb'j cb'K UggYf'i bX
7C &g]bX'g]Y'i bj Yfn]Wł hVUf'ZØf'i bgYfY' l a k Y'h°

9f`YVYb'G]Y'a]hi bg'X]Y'Y]bXfi W_gj c`Y'9fZc` [g[YgWł]Wł hY'XYg
6l B8!5i YbnYbhfi a g]b'@YbnYb' `XYbb'YXYf'6Ui a ž'YXYf': `i gg
i bX'YXY'5i Y'nÀ\`h'Ni _i bZh [YghU'hYbž; `Y]Wł [Yk]Wł h'Z]bXYb'i bX
X]Y'GWł Öb\Y]h'XYf'B Uhi f'VYk U\fyb' `XUg]gh'i bgYf'5i ZhfU [`': Øf
a Y\ f' ã Zcfa Uh]cbYb'VYgi Wł Yb'G]Y'i bg'Ui Z
k k k "Vi bX"bYh#Ui YbnYbhfi a °

- Dfc ^Y _h'5i YbYbhk]W_`i b [. '9bhXYW_Yb'G]Y'a Y\ f°
- ?cbhU_h'8f"A Y]_Y'? `Y]bk ÀWł hYfž'6l B8'5i YbnYbhfi a
6i f ['@YbnYbž'HY". '\$' , +!- &) \$+, &\$%

<fg [". '6i bX'ZØf' l a k Y'h'i bX'B Uhi fgWł i hn'8Yi hgWł `UbX'f6l B8Ł
Y"J "žB]Wł 'Y'5bhcb'fj "]"G"X"D"Łž?U]gYf]b!5i [i ghU!5`YY') ž%\$)) '
6Yf`]b

8YhU]`g

6Ygi W\Yb`G]Y`i bg`Ui Z.`a Y]b!VYf`]b"bYh