

l b] j Y f g] h Å h ' K] Y b . ' 6 Y g h d ` U h n] Y f h Y ' l b]
2 ghY ffY] W X g ` h f c h n ' F U b _] b [! 5 V g h] Y [°

8] Y ' l b] j Y f g] h Å h ' K] Y b ' V Y ` Y [h ' & \$ &) ' D ` U h n ' %) & '] a ' E G ` K c f ` X
l b] j Y f g] h m ' F U b _] b [' i b X ` V ` Y] V h ' V Y g h Y ' Ò g h Y f f Y] W X] g W X Y
< c W X g W X i ` Y "



K] Y b ž ' 2 ghY ffY] W X ' ! ' 9] b ' 6 `] W ` U i Z ` X] Y ' < c W X g W X i ` ` U b X g W X U Z h ' n Y] [h ž
X U g g ` X] Y ' l b] j Y f g] h Å h ' K] Y b ' V Y] a ' U _ h i Y ` ` Y b ' E G ` K c f ` X ' l b] j Y f g] h m
F U b _] b [' U i Z ` D ` U h n ' %) & ` Y] b [Y g h i Z h ' k i f X Y " ' ð ' J Y f [` Y] W X ' n i a
J c f ` U \ f ž ` U ` g ` g] Y ' b c W ` F U b [' % ' + ` V Y ` Y [h Y ž `] g h ` X U g ` Y] b [Y k] g g Y f
F Ø W _ g W X f] h ž ` X Y b b c W ` V ` Y] V h ` X] Y ' l b] j Y f g] h Å h ' K] Y b ` X] Y
V Y g h [Y f Y] \ h Y ' < c W X g W X i ` Y ` X Y g ` @ U b X Y g "

K U g ` X i f W X k Y [' d c g] h j ' n i ' j Y f a Y f _ Y b `] g h ž ` g] b X ` X] Y ' : c f h g W X f] h h Y '] b
j Y f g W X] Y X Y b Y b ' 6 Y f Y] W X Y b . ' 8] Y ' : U _ h c f Y b ` Z Ø f ` ð h Y f b U h] c b U `
G h i X Y b h g ž ` ð h Y f b U h] c b U ` F Y g Y U f W X ` B Y h k c f _ ž : U W ` h m # G h i X Y b h ' F U h] c
g c k] Y ` 5 W U X Y a] W F Y d i h U h] c b ` \ U V Y b ` g] W X ` j Y f V Y g g Y f h " ` 5 i Z ` X Y f
U b X Y f Y b ` G Y] h Y ' [U V ` Y g `] b ` X Y b ` ? U h Y [c f] Y b ` 9 a d ` c m Y f ` F Y d i h U h] c b
i b X ` 7] h U h] c b g ` d Y f : U W ` h m Y] b [Y ` 5 V n Ø [Y "

8]Y`HUhgUWXYž`XUgg`X]Y`I b]j Yfg]hÅh`K]Yb`ja`X]Yg`Å\`f][Yb`E G!
 : ÅW`YffUb`_][b`%+`8]gn]d`]bYb`i bhYf`XYb`Hcd`%\$\$`j YfhfYhYb`]ghž
 nY][hž`XUgg`\`Yf`Y]b][Yg`Ub`DchYb]U``Y[h`6YgcbXYfg
 \YfUi`gfU[YbX`]gh`XUg` : UW`7ca`a`i`b]W]h]cb`/`A`YX]U`Gh`X]Ygž`XUg
 Ui`ZD`Uhn`%)`Y[hž`cV`k`c`\`Yg]a`J`cf`U\`f`Ui`ZD`Uhn`%\$`[Yk`YfhYh
 k`i`fXY``8]YgY`8]gn]d`]b`nÅ`\`h`ni`XYb`VYghYb`)`i`k`Y`hk`Y]h"

⇒ a`]bhYfbUh]cbU`Yb`?`cbhYI`h

8]Y`E G!F Ub[`]ghYb`k`YfXYb`k`Y]h\]b`UbYf`_Ubbh``8]Y`U`hi`Y``Y
 5i`g[UVY`\Uh`]bg[YgUa`h`%)` \$\$`\$`ϕgh]hi`h]cbYb`Ui`g`%\$`*
 <cW`gW`i`gmghYa`Yb`ni`a`9j`U`i`Uh]cbgcV`Y`_h`9fZfYi`]W`X`ZØf`X]Y
]bhYfbUh]cbU`Yb`<cW`gW`i`Yb`]ghž`XUgg`Yfgha`U`g`B`UW`\`U`h][`_Y]h
 U`g`?`Yfba`Yhf`_`]b`X]Y`6Yk`Yfhi`b[`Ui`Z[Ybca`a`Yb`k`i`fXY``5i`ZX]Y
 : fU[Yž`k`Ug`X]Y`VYghYb`I b]j Yfg]hÅhYb`U`hi`Y``Ui`gnY]W`bYhž`nY][Yb
 X]Y`Hcd`%\$`XYf`F`Ub`_][g`Y]bY`ghUf`_Y`8ca`]bUb`n`Yi`fcdÅ]gW`Yf
 i`bX`Ua`Yf`_Ub]gW`Yf`ϕgh]hi`h]cbYb.

F Ub[I b]j Yfg]hÅh
%	A`UggUW`i`gYhng`ϕgh]hi`hY`c`Z HYW`bc`c`[`m`f`A`#Ł
&	I`b]j`Yfg]hmi`c`Z`7`Ua`Vf]X[`Y
'	I`b]j`Yfg]hmi`c`Z`C`I`Zc`f`X
(<`Ufj`UfX`I`b]j`Yfg]hm
)	GhU`b`Zc`f`X`I`b]j`Yfg]hm
*	⇒a`dYf]U`7`c``Y[`Y`@`c`b`X`c`b
+	9H<`NØf]W`
,	B`Uh]cb`U`I`b]j`Yfg]hmi`c`Z G]b[`Ud`c`f`Y`f`B`I`GŁ
-	I`b]j`Yfg]hm`7`c``Y[`Y`@`c`b`X`c`b fI`7`@Ł
\$\$	I`b]j`Yfg]hmi`c`Z`7`U`]Zc`fb]Už 6Yf`_Y`Ym`fI`7`6Ł

?`Uf`]ghž`XUgg`X]Y`<cW`gW`i`Yb`]b`XYb`I`G5`VYgcbXYfg]j`YfhfYhYb
 g]bXž`[`Y`Zc`[`h`j`cb`ϕgh]hi`h]cbYb`Ui`g`XYa`J`YfY]b][`hYb`?`Òb][`fY]W`
 i`bX`7`\]bU``5i`ZÅ``[`]ghž`XUgg`X]Y`B`I`G`X]Y`Y]bn][`Y`Ug]Uh]gW`Y
 I`b]j`Yfg]hÅh]b`XYb`Hcd`%\$`]gh"

2 ghYffY]W\ `]a `J Yf[`Y]W\

K]Y`gW\ bY]XYh`2 ghYffY]W\ `]a `J Yf[`Y]W\ `]Yfni `UV3`a `[YgUa hYb @UbX`Z]bXYb`g]W\ `UW\ h[YfUb`hY`i b]j Yfg]hÅhYbž`XUfi bhYf`Ui W\`X]Y HYW\ b]gW\ Y`i b]j Yfg]hÅhK]Yb`Ui Z`D`Uhn`%- \$`i bX`X]Y`i b]j Yfg]hÅh ðbgVfi W`Ui Z`D`Uhn`' \$`- "8Yi hgW\`UbX`\]b[Y[Yb`\Uh`ghc`nY`(`, fUb`_YbXY`<cW\gW\i`Yb` `U`YfX]b[g[]`h`XYf`]bhYfbUh]cbU`Y K YhhVYk YfV`i a`HU`YbhY`U`g`X]Y`[fO» hY`<YfUi gZcfXYfi b[" `+` i XYf`]b`8Yi hgW\`UbX`Ub`gÅgg][Yb`i b]j Yfg]hÅhYb`\UVYb`]b`XYb `YhnhYb`đ\`fYb`J YfÅbXYfi b[Yb`Yf`YVhž`gdYn]Y``]a`<]bV`]W`Ui ZX]Y k Y]hYfYb`]bhYfbUh]cbU`Yb`<YfUi gZcfXYfi b[Yb`]a <cW\gW\i`VYfY]W\ "E G` \YVh`Yfj cfž`XUgg`X]Y`GW\k Y]n`a]h]]Yf l b]j Yfg]hÅhYb`i bhYf`XYb`Hcd`%\$\$`Y]bY`ZØ\`fYbXY`F c`Y`]b`XYf : cfgW\i b[`Y]bb]a a hž`k Å\`fYbX`2 ghYffY]W\`g]W\`XUZØf`UhhfU`_h]j`ZØf]bhYfbUh]cbU`Y`Ghi X]YfYbXY`nY][`h`

ð`5bVYhfUW\h`X]YgYf`9b`hk]W`i b[Yb`]gh`X]Y`i b]j Yfg]hÅhK]Yb`[i h Ui Z[YghY`hž`Ui W\`k Ybb`XYf`F Ub[``Y]W\ h[Ygi b`_Yb`]gh`"?`Uf`]ghž \]Yf``]Y[h`bcW\`j]Y`DchYbn]U`ZØf`ni`_ØbZh][Y`J YfVYggYfi b[Yb`i bX F Ub_]b[g`"8]Y`<YfUi gZcfXYfi b[Yb`]g]bX`b]W\h`ni`i bhYfgW\ÅhYbž XcW\`a]h`Y]bYa`[i hYb`<ÅbXW\Yb`]b`XYf`5i gf]W\h`i b[`Ui Z]bhYfbUh]cbU`Y`?ccdYfUh]cbYb`i bX`XYf`: ØfXYfi b[`j cb`HU`YbhYb _Ubb`X]Y`i b]j Yfg]hÅhK]Yb`g]W\Yf`]W\`k Y]hYf`Ub`6cXYb`[Yk]bbYb`"

8YhU]`g	
C fh	K]Ybž`2 ghYffY]W\
E i Y`Yb	<ul style="list-style-type: none"> • a YX]YbdcfhU`"i b]j]Y"UWUh • k k k "eg"Wĉa • k k k "dfbYk gk]fY"Wĉa

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