8fUa U]a ' ? Y`YfXi Y`. 'A ca VUWX '_f]Y[h
F Ya]gž'A U]bn'V`Y]Vh'HUVY`YbZØ\ fYf°

GJ K 'A U]bn'VY\À'h'X]Y'HUVY`YbZØ\ fi b['a]h'Y]bYa ' ' .%!G]Y[
[Y[Yb' < Ugg]U'6]b[Yb" 'A ca VUWX 'Yf_Àa dZh'g]W\ 'Y]b'&.&
[Y[Yb' ð[Y`Y]a "

8]Y'@UbXYg`][U'C gh'nY][h'g]W\ 'k Y]hYf\]b'gdUbbYbX'i bX
i bVYfYWX YbVUfž'k]Y'X]Y'U_hi Y`Yb'Gd]Y`Y'Y]bXfi W_gj c`
XYa cbghf]YfYb"K À\ fYbX'XYf': 7': cfhi bU'A ca VUWX 'ja ' ? Y`YfXi Y`
[Y[Yb'X]Y'Gdj [[" ð[Y`Y]a 'Y]b'gdÀhYb'5i g['Y]W\ 'Yfn]Y'hYž
_cbbhY'X]Y'GJ K 'A U]bn'\fY'HUVY`YbZØ\ fi b['[Y[Yb' < Ugg]U
6]b[Yb'XYi h]W\ 'VY\Ui dhYb"

⇒ 'Gd]Y`nk]gW\ Yb' < Ugg]U'6]b[Yb'i bX'GJ K 'A U]bnž'XUg'a]h%'
YbXYhYž[UV'Yg'Y]b][Y'VYa Yf_Ybgk YfhY'A ca YbhY"'8]Y'GJ K
A U]bn'hfUh'a]h'XYa 'N]Y`Ubž'\fY'VY]bXfi W_YbXY': cfa 'ni
k U\ fYbž'X]Y'g]W\]b'XYb`YhnhYb'Gd]Y`Yb'XYi h]W\ 'VYa Yf_VUf
[Ya UW'h'\UhY"'GhYd\Ub'Dfcmž'XYf'gdcfh]W\ Y '@Y]hYfž`cVhY'XUg
HYUa 'ZØf'XYb'9]bgUhnž'a Yf_hY`YXcW\ 'Ubž'XUgg'Yg']b'XYf
7\UbW\bj Yfk Yfhi b['bcW\ 'J YfVYggYfi b[gdc'hYbh]U`[]Vh" 'K]f
\UVYb'ni 'j]Y`Y[i hY'A Ò['W\ _Y]hYb'j Yf[YVYb žgc'Dfcm" 'Hfcm
X]YgYf'_f]h]gW\ Yb'5ba Yf_i b[Yb'_cbbhY'XUg'HYUa 'X]Y'CVYf\UbX
[Yk]bbYbž'k Ug'X]Y'J YfhY]X][i b['XYf'HUVY`YbZØ\ fi b['g]W\ Yfh"

K]W\ h][Y'Gd]Y`Yf`Y]ghi b[Yb

6YgcbXYfg'\Yfj cfni \VYVb'g]bX'X]Y '@Y]ghi b[Yb'j cb'DUhf]W_
K U[bYf'i bX '@Ycb'BUi h\ž'X]Y'YbhgW\ Y]XYbXY'HcfY'Yfn]Y'hYb"
K U[bYf'YfÒZbYhY'XUg'GWcf]b['j]b'XYf' - "'A]bi hYž'i bX'BUi h\
_fÒbhY'gY]bY'ghUf_Y'DYfZcfa UbW\ 'Y]bY'K cW\ Y'bUW\ 'gY]bYa '&%"
; YVi fhghU['a]h'XYa 'Xf]hYb'HfYZZYf']b'XYf', +'A]bi hY"' DUhf]W_

K U[bYf` \UhYfbYi h`Y]b` \_UggY`Gd]Y` [ Ygd]Y`h ž'gU[hY`Dfcmž'k c` \`
k]ggYbXž'XUgg`XYggYb`8mbUa]_`ZØf`X]Y`C ZZYbg]j Y`YbhgW`Y]XYbX
k Uf`"Hfcm`XYf`5Vk YgYb` \Y]h'j cb`GW`ØggY`gd]Y`Yf`æ` \UbbYg
@Uk Ybž'XYf`k Y[ Yb`?fUb`\_`Y]h'ZY` \`hYž'nY][hY`XUg`HYUa` `Y]bY
[YgW` `cggYbY`@Y]ghi b[ `i bX`Yfn]Y`hY`XfY]`k]W`h][ Y`Di b`\_hY`"

8]Y`6Y[ Y[ bi b[ `nk]gW`Yb` : 7` : cfhi bU`A ca VUW`i bX`XYf`Gdj [ [ " `ϕ[Y` \Y]a` `YbXYhY`&.`&"`8]YgY`DUfh]Y`k Uf`Y]b` \Ufhi a` _Åa dZhYg
8YfVmž`]b`XYa` `ϕ[Y` \Y]a` ni bÅW`gh`Xca]b]YfhY`i bX`a]h`nk Y]
ZfØ` \Yb`HcfYb`]b` : fcbh`[ ]b[ ` `Y]b`9][Ybhcf`j cb`7Ya` ; cY`_W`Y`i bX
Y]b` : ci` `Y`Za` YhYf`j cb` : fUbW`gW` `HYcXcbbc`"8cW` `A ca VUW` `[UV
b]W`h`Ui Zi bX`nY][ hY`bUW` `Y]bYf`gW`k ÅW`YfYb`YfghYb`<U`VnY]h
Y]bY`ghUf`_Y`nk Y]hY`<Å`ZhY`"A]h`HcfYb`j cb`@ci ]g`K]fVY`Ui Yf`i bX
G`i hc`A]mUnUk U`g]W`YfhYb`g]Y`g]W` `]b`XYf`GW` `i ggd` \UgY`Y]b
FYa` ]g`" `ϕ`XYb` `YmhYb`&)`A]bi hYb` \UVYb`k]f`Ub[YZUb[Ybž
k]f`\_]W` : i »VU` `ni `gd]Y`Yb` ž`_ca` a Ybh]YfhY`A ca VUW`g
5VhY]`i b[ g`Y]hYf`æ` \Ubb` ; fUVck` g_]`i bX`fYZY`\_h]YfhY`XUa` ]h`XYb
?Ua` dZ[ Y]gh`gY]bYg`HYUa` g`"

: Un]h`i bX`5i gV`]W`_

8]Y`9f[ YVb]ggY`X]YgYf`Gd]Y`Y`i bhYfghfY]W`Yb`X]Y
I bVYfYW`YbVUf`_Y]h`XYf`@[U`"K Å`fYbX`X]Y`GJ K` `A U]bn`k Y]hYf` \]b
Ui ZXYa` `YfghYb`D`Uhn`j Yfk Y]`hž`V`Y]Vh`X]Y`G]hi Uh]cb`]a` `?Y` `Yf
gdUbbYbXž'XU`A ca VUW` `Y]bYb`k]W`h][ Yb`Di b`\_h`g]W`Yfh`"8Yf
?Ua` dZi a` `XYb`?`UggYbYf` \U`h`i bX`X]Y`Hcd!D`Um]Yfi b[ Yb`[YghU`hYh
g]W` `ni bY` \a` YbX`]bhYbg]j Yf`"A]h`[ YgW` `cggYbYf
A UbbgW`UZhg`Y]ghi b[`i bX`XYa` `bØh][Yb`?Ua` dZ[Y]gh`_ØbbYb
gck c` \`A ca VUW` `U`g`Ui W`X]Y`GJ K` `Ui W` `]b`XYb`_ca` a YbXYb
Gd]Y`Yb`k]W`h][ Y`9fZc` [ Y`ZY]Yfb`"

8YhU]`g

6Ygi W`Yb`G]Y`i bg`Ui Z.`b!U["XY