

J Yfa]gghYf`K U`hYf`G"]b` < c \ k UWX h. Dc`]nY]`V]hhYh`i a ` <]`ZY`VY]`Gi WX Y

K U`hYf`G"ž+, !\fY`U`hž`k]fX`gY]h`GUa ghU[]b` < c \ k UWX h
j Yfa]ggh" <]bk Y]gY`V]hhY`Ub`X]Y`Dc`]nY]i bhYf`%%"8 f]b[YbX
A YX]_Ua YbhY`VYb`Òh][h"

⊕` < c \ k UWX h`k]fX`XYf`+, !\f][Y`K U`hYf`G" `gY]h
GUa ghU[bUW`a]hhU[j Yfa]ggh" 8]Y`Dc`]nY]]gh`VYgcf[hž`XU`XYf
GYb]cf`cf]Ybh]Yfi b[g`cg`]gh`i bX`Xf]b[YbX`Ui Z`gY]bY`A YX]_Ua YbhY
Ub[Yk]YgYb`]gh" `GY]bY`Gi WX Y` [YghU`hYh`g]WX`U`g` \YfUi gZc`fXYfbXž
XU`Yf`g]WX`U`g`i f`Ui VYf`]b`XYf` ; Y[YbX`b]WX`h`Ui g`_Ybb`h"

K U`hYf`G" `k i fXY`ni `Yhnh`Ua ` < c \ k UWX h`Yf`Ghf`Ub`X`]b` < Ò` \Y`Y]bYg
< chY`g`]b`XYf`GY`ghf`U» Y`%, [YgY` \Yb" 8 Yf`NY]hdi b`_h`k Uf` [Y[Yb
%* `i \fž`i bX`ni `X]YgYa `NY]hdi b`_h`k Uf`Yf`Y]XYf`U`Y]b" `NYi [Yb
cXYf`DYfgcbYbž`X]Y]\b` [YgY` \Yb` \UVYbž`g]bX`j cb` [fÒ» hYf
6YXYi hi b[ž`XU`X]Y`Dc`]nY]i a `A]h\`ZY`XYf`6Yj Ò`_Yfi b[`V]hhY`h"
K]WX`h][]ghž`XUgg`Yg`V]g` \Yf`_Y]bY` <]bk Y]gY`Ui Z`Y]bY`Ghf`UZh`Uh`]a
Ni gUa a Yb` \Ub[`a]h`gY]bYa `j Yf`gWX`k]bXYb` []Vhž`gc`X]Y`6YUa hYb
k Y]hYf"

6YgWX fY]Vi b[`j cb`K U`hYf`G"

K U`hYf`G"]gh`Yhk U`%ž, &`A YhYf` [fc» `i bX` \Uh`Y]bY`gWX`Ub`_Y`GhUhi f"
GY]b` [fUi Yg` < Uuf`]gh`Y]b`a Uf`_Ub`hYg`A Yf`_a U" `Ni a `NY]hdi b`_h
gY]bYg`j Yf`gWX`k]bXYbg`hfi [`Yf`Y]b`_Uf]YfhYgž` [Y`V!V`Ui Yg` < Ya Xž
Y]bY` \Y`Y`_i fnY` < cgY`i bX`Y]bY`7Ud" 8]YgY` ⊕Zc`fa`Uh]cbYb`g]bX
YbhgWX`Y]XYbX`ZØf`X]Y`Gi WX`Yž`XU`g]Y` \Y`ZYb`_ÒbbYbž`]\b` `Y]WX`hYf`ni
]XYbh]Z]n]YfYb"

8]Y`8 f]b[`]WX`_Y]h`gY]bYf`@U[Y`k]fX`Xi fWX`gY]bY`5V` \Àb[][_Y]hj`cb

A YX]_Ua YbhYb`j YfghÅf_h`C\bY`X]YgY`]gh`gY]bY` ; Ygi bX\Y]h
[YZÀ\fXYhž`k Ug`X]Y`Gi WY`i a gc`k]W]h][Yf`a UW`h`8]Y`Dc`nY]`U
VYfY]hg`Y]b`HYUa `a cV]`g]Yfž`i a `X]Y`@U[Y`gW`bY``ni ` _`ÅfYb`i bX
XYb`j Yfa]gghYb`A Ubb`gW`bY``gha Ò[`]W`ni `Z]bXYb``6Øf[Yf`k YfXYb
Y]bXf]b[`]W`[YVYhYbž`Ui Za Yf_gUa `ni `gY]b`i bX`YXY`a Ò[`]W`Y
G]W]hi b[`i a [Y\YbX`ni `a Y`XYb`"

A YbgW`Ybž`X]Y`K U`hYf`G``[YgY\Yb`\UVYb`cXYf`Yhk Ug`ØVYf`gY]bYb
5i ZYbh\U`hgcfhk]ggYbž`g]bX`Ui Z[Yfi ZYbž`g]W`a]h`XYf`Dc`nY]`i bhYf
XYf`Bchfi Zbi a a Yf`%\$`]b`J YfV]bXi b[`ni `gYhnYb``8]Y`<cZZbi b[
]ghž`XUgg`g]W`VU`X`bYi Y`<]bk Y]gY`Yf[YVYbž`X]Y`ni f`5i ZZ]bXi b[
XYg`j Yfa]gghYb`A UbbYg`ZØ\Yb`_ÒbbYb`"

8]Y`9fa]hh`Yf`\UVYb`Ui W`B UW`VUfb`i bX`Hci f]ghYb`]b`XYf
I a [YVi b[`Ub[YgdfcW`Ybž`i a `a Ò[`]W`Y`ϕZcfa Uh]cbYb`ni
gUa a Y`b``>XY`?`Y]b][_Y]hž`X]Y`Yf`[YgY\Yb`\Uhž`_ÒbbhY
YbhgW`Y]XYbX`gY]b``8]Y`nØ[][Y`J YfVfY]hi b[`X]YgYf`ϕZcfa Uh]cbYb
_ÒbbhY`XUni `VY]hfU[Ybž`K U`hYf`G``gc`gW`bY``k]Y`a Ò[`]W`ni
gY]bYf` : Ua]]Y`ni fØW`ni Vf]b[Yb`"

9g`V`Y]Vh`UVni k UfhYbž`k]Y`g]W`X]Y`G]hi Uh]cb`Ybhk]W`Y`b`k]fX``8]Y
Dc`nY]`gYhn`U`Yg`XUfUbž`i a `K U`hYf`G``k c`\VY\U`hYb`ni `Z]bXYb
i bX`V]hhYh`X]Y`² ZZYbh]W`_Y]h`Xf]b[YbX`i a `I bhYfghØhni b[`"

8YhU]`g

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