

9]b`Ni k UW\g]a `; Y`gYb\_]fW\YbYf`Ncc.  
GW\]a dUbgYb!6UVmigcf[ h`ZØf` : fYi XY`

: fØ\`]W\Y`B UW\ f]W\hYb`Ui g; Y`gYb\_]fW\Yb.`9]b`GW\]a dUbgYb!  
6UVmYfV`]W\_h]a `Ncc` Ncca `9f`YVb]gk Y`h `XUg`@]W\h`XYf`  
K Y`h"

⊕`XYf`Ncca `9f`YVb]gk Y`h]b`; Y`gYb\_]fW\Yb`[ ]VhYg; fi bX`ni f  
: fYi XY.`9]b`\_Y]bYg`GW\]a dUbgYbVUVm`k i fXY`[ YVcfYbž`i bX`XUg  
Ui ZY]bY`VYgcbXYfY`K Y]gY" `8]YgYg`VYnUi VYfbXY`K YgYbž`XUg  
`]YVYj c``@]c`5a Uf]`[ YbUbb`h`k i fXYž`YfV`]W\_hY`9bXY`5i [ i gh`XUg  
@]W\h`XYf`K Y`h`i bX`gcf[ h`VYfY]hg`Yhnh`ZØf`k Ufa Y`<YfnYb`VY]`XYb  
Ncc!6Ygi W\Yfb"

8]Y`\_Y]bY`?fYUhi fž`X]Y`gUbZ`h`Ui ZXYf`6fi gh`gY]bYf`A i hhYf  
5`Yi UbXfU``]Y[ hž`\Uh`XUg`DchYbh]U`ž`ni `Y]bYa `YW\hYb  
Di V`\_i a ga U[ bYhYb`ni `k YfXYb" `A ]h`gY]bYf`ZUi gW\][ Yb`A Ä\bYž  
X]Y`Ua `?cdZ`VYgcbXYfg`Ui ZŽ`][ `]ghž`n]Y`h`Yg`X]Y`6`]W\_Y`U``Yf`Ub"  
5bgcbghYb`\Uh`XUg`BYi [ YVcfYbY`Ua `?ØfdYf`bcW\`\_Y]b`<UUfž`k Ug  
]a `Y]bYb`VYgcbXYfg`gØ» Yb`@cc`\_j Yf`Y]\h"

9]b`Y]ba U`][ Yg`9fY][ b]g]a `Ncc

8]Y; YVi fhj`cb`@]c`5a Uf]`]gh]a `; Y`gYb\_]fW\YbYf`Ncc`Y]b`[ Ubn  
VYgcbXYfYf`5b`Ugg": Øf`X]Y`Ncc!A ]hUfVY]hYf`]gh`Yg`XUg`YfghY`A U`ž  
XUgg`Y]b`GW\]a dUbgY`]b`XYf`5i » YbUb`U[ Y`[ YVcfYb`k i fXY"  
Bcfa U`Yfk Y]gY`n]Y`Yb`g]W\`GW\]a dUbgYba ØhhYf`]b`fi `[ Y`9W\_Yb  
XYg`⊕bYb[ Y`Y[ Yg`ni fØW\_ž`c`Z`h`Z]bXYb`X]Y; YVi fhYb`bUW\hg`ghUh"  
Ncc!GdfYW\Yf]b`8]`UbU`K ]hha Yfg`Yfn`Ä`h` `8 Ug`]gh`Y]b`gY`f  
Ui » Yf[ Yk`Ø\b`]W\Yf`A ca Ybh`ZØf`i bg" `9g`k Uf`k i bXYfVUf`ni `gY`Ybž  
k ]Y`5`Yi UbXfU`\]f`6UVmigY`Vghni f`K Y`h[ YVfUW\h`\Uh`i bX`Ui W\  
X]Y`B UVY`gW\bi f`Xi fW\gW\b]hhYb`\Uh"

ϕ`XYb`\_ca a YbXYb`K cWXYb`k ]fX`XUg`\_`Y]bY`GWX]a dUbgYbVUVm  
Yb[ `Ub`gY]bYf`A i hYf`V`Y]VYb" 5`YI UbXfUž`X]Y`&) `ϕ\`fY`U`h]ghž  
nY][`h]g]W`U`g`gY\`f`ZØf`gc`f[ `]W`Y`A Ua U`i bX`k ]fX`]\`f`ž b[ Yg`bcW  
Y]bY`NY]h`Ub[ `Ub`XYf`6fi gh`hfU[ Yb" ϕ`Y]b][ Yb`A cbUhYb`k ]fX`@]c  
XUbb`Ui Z`XYa `F ØW`Yb`gY]bYf`A i hYf`g]hYbž`k c`Yg`g]W`Ub`X]Y  
bYi Y`I a [ YVi b[ `] Yk Ø\`bYb`\_Ubb"

8 Ug; YgW`YW`h`XYg`BYi [ YVcfYbYb`]gh`Yh`h`Ui W`VY`\_Ubb`h`9g  
\`Ub`XY`h`g]W`i a `Y]bYb`ž b[ Yb" 8]Y`H]YfdZY[ Yf`\`U`h`Yb`X]Y`9`\`fYž  
XYb`B`Ua Yb`@]c`5a Uf]`Ui gni k Å\`Ybž`k Ug`]b`XYf  
GWX]a dUbgYb`\_ca a i b[\_Uh]cb`gck c`\`gY]bY`6YXYi hi b[ `U`g`Ui W  
gY]bYb`?`Ub[ `Z`gh`\`Å`h" 8]Yg`ZØ[`h]g]W`k i bXYfVUf`]b`X]Y`Y`VYbX][`Y  
H]Yfk Y`h`XYf`9f`YVb]gk Y`h`5`Zf`\_U`Y]b"

## B Yi Y`Gd]Y`\_Ua YfUXYb`]b`G]W`h

: Øf`@]c`5a Uf]`ghY\`h`Y]bY`Ui ZfY[ YbXY`NY]h`VYj cf`ϕ`Yhk U`Y]bYa  
\`U`VYb`ϕ\`f`\_Ubb`XUg`BYi [ YVcfYbY`a ]h`XYb`Ub`XYfYb  
GWX]a dUbgYb`\_]b`XYfb`]b`XYa` ; Y\`Y[ Y`\`Yfi a hc`Yb" 8]Y`\_`Y]bYb  
GWX]a dUbgYbž`X]Y`VYfY]hg]a `Ncc`YVYbž`ZfYi Yb`g]W`gW`cb`gY\`f  
Ui Z]\`fYb`bYi Yb`Gd]Y`\_Ua YfUXYb" @]gc`cž`?`c`č`i bX`8`Umcž`X]Y`ja  
5`hYf`j cb`nk Y]ž`g]YVYb`i bX`bYi b`ϕ\`fYb`g]bXž`k YfXYb`@]c`5a Uf]  
g]W`Yf`]W`]b`X]Y`Gd]Y`Y`Y]bZØ\`fYbž`X]Y`GWX]a dUbgYb`gc`[ YfbY  
a UWXYb"

ϕg[ YgUa h`YVYb`bi b`%`GWX]a dUbgYb`]b`XYf; Y`gYb`\_fWXYbYf  
9f`YVb]gk Y`h`ž`i bX`YXYf`j cb`]bYb`Vf]b[`h]gY]bY`Y][`YbY  
DYfgØb`]W`\_Y]hi bX`8`mbUa`\_]bg; Y\`Y[ Y" 8]Y`5i ZfY[ i b[ `ØVYf`X]Y  
; YVi fhj cb`@]c`ghY`h`b]W`h`bi f`Y]bYb`<Ø\`Ydi b`h`ZØf`X]Y  
H]YfdZY[ Yf`XUfž`gcbXYfb`Ui W`Y]bY`[ fc»Ufh][`Y; Y`Y[ Yb\`Y]h`ZØf  
X]Y`6Ygi WXYf`XYg`Nccgž`VY]`X]YgYa`gY`hYbYb`9fY][`b]g`hY]`ni \UVYb  
i bX`X]Y`6]bXi b[ `nk ]gWXYb`A i hYf`i bX`?`]bX`ni`VYcVUW`hYb"

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