

J c`gdYffi b[ `XYf'5\* . 'BÀW hY`]a `5i [ i gh  
ZØf'6fØW\_YbVUi UfVY]hYb`fYgYfj ]Yfh

⇒'GWk UVUW #BYi YbXYhhY`gUi `k ]fX`X]Y'5\* `Ub`nk Y]'5i [ i gh!  
GUa ghU[ Yb`bUW hg'ZØf'6fØW\_YbVUi UfVY]hYb`j c``[ YgdYffh"

5\*!GdYffi b[ . `K ]W h][ Yg

⇒ZfUghfi \_hi fdfc`Y\_h`ZØf`X]Y`F Y[ ]cb` : fUb\_Yb

⇒Y]bYf`VYXYi hYbXYb`9bhk ]W`i b[ `ZØf`XYb`J Yf\_Y`fgZi gg`]b  
: fUb\_Yb`k ]fX`X]Y'5\* `Ub`nk Y]'GUa ghU[ Yb`]a `5i [ i gh&\$&( `bUW hg  
j c``[ YgdYffh"8]Yg[ YgW]Y`h]a `FU`a Yb`bchk YbX][ Yf  
6fØW\_YbVUi UfVY]hYb`ž`X]Y`ZØf`X]Y`J YfVYggYfi b[ `XYf  
J Yf\_Y`fg]bZfUghfi \_hi f`]b`XYf`A Yhfcdc`fY[ ]cb`BØfbVYf[  
i bYf`Àgg`]W`g]bX"

8YhU]`g`ni f`GdYffi b[ `i bX`l a `Y]hi b[ Yb

8]Y`YfghY`GdYffi b[ `k ]fX`Ua `GUa ghU[ ž`XYb`%\$`5i [ i gh&\$&( ž`UV  
Yhk U`&\$`l `f`VY[ ]bbYb`i bX`V]g`GcbbhU[ ž`XYb`%%`5i [ i ghž`i a  
Yhk U`\*`l `f`UbXUi Yfb`"9]bY`nk Y]hY`BUW hUVgdYffi b[ `]gh`ZØf`XYb  
Zc`[ YbXYb`GUa ghU[ ž`XYb`%+`5i [ i gh&\$&( ž`UV`Yhk U`&&`l `f  
[ Yd`Ubž`YVYbZU`g`V]g`GcbbhU[ ž`XYb`%, "`5i [ i ghž`i a `\*`l `f"  
K `À`fYbX`X]YgYf`NY]hYb`k ]fX`XYf`J Yf\_Y`f`j c``gh`ÀbX][ `i a [ Y`Y]hYhž  
i a `XUg`9]b`YVYb`j cb`bYi Yb` , VYfVfØW`i b[ gY`Ya YbhYb`ni  
Yfa Ò[ `]W`Yb"

8]Y`l a `Y]hi b[ `YfZc`[ h`ØVYf`X]Y'5bgW`i ggghY`Y`GWk UVUW!K Ygh  
fBf`) ) Ł`ni f`5bgW`i ggghY`Y`BYi YbXYhhY`gUi `fBf`) ( Ł`  
J Yf\_Y`fghY]`bY`a Yf`k YfXYb`[ YVYhYbž`VYgcbXYfYb`J c`fg]W`h  
k U`hYb`ni `UggYb`i bX`[ YbØ[ YbX`NY]h`ZØf`]\fY` : U`fhYb  
Y]bni d`UbYb`"9bhgdFYW`YbXY`<]bk Y]ggW`]XYf`Ui Z`XYf`5' ž`5+`i bX

5- ]bZcfa ]YfYb`ØVYf`X]Y`VYj cfghY\YbXYb`GdYffi b[ Yb"

5i gk ]f\_i b[ Yb`Ui Z`X]Y`fY[ ]cbU`Yb

J Yf\_Y`f`gj YfV]bXi b[ Yb

8]Y`Bchk YbX][ \_Y]h`X]YgYf`5fVY]hYb`k ]fX`Xi fW`X]Y`ni j cf`YfZc`[ hYb  
5Vf]ggY`j cb`XfY]` VYfZØ\fi b[ gVUi k Yf\_Yb`Ub` : Y`X!`i bX  
K U`Xk Y[ Yb`j YfXYi h`]W`hž`X]Y`X]Y`Bi hni b[ `X]YgYf`K Y[ Y`k Å`fYbX  
XYf`6Ui nY]h`Yf`YV`]W`VYY]bhfÅW`h][ Yb``8]YgY`6Ui k Yf\_Y`k YfXYb  
]a`Ni [ Y`XYg`5i gVUi g`XYf`5\*`bYi`Yff]W`hYhž`gcXUgg`X]Y  
K Y[ Yj YfV]bXi b[ Yb`V]g`9bXY`&\$&(`k ]YXYf`j c``ghÅbX][ `bi hnVUF  
gY]b`gc``hYb"

@Ub[ Zf]gh][ Y`9ZZY`\_hY`Ui Z`X]Y`⇒bZfUghfi \_hi f

8]Y`6Ui UfVY]hYb`g]bX`b]W`h`bi f`Y]bY`<YfUi gZcfXYfi b[ `ZØf`X]Y  
5i hcZU`fYfž`gcbXYfb`Ui W`X`ZØf`X]Y`c`\_U`Y`K ]fhgW`UZh`XU`g]Y`Y]bY  
YZZ]n]YbhY`5bV]bXi b[ `Ub`UbXYfY`k ]W`h][ Y`J Yf\_Y`fgUW`gYb  
VYhfYZZYb``8Yf`5i gVUi `XYf`5\*`]gh`HY]`Y]bYg`i a ZUggYbXYfYb`D`Ubgž  
X]Y`J Yf\_Y`fg]bZfUghfi \_hi f]b`XYf`F`Y[ ]cb`ni`j YfVYggYfb`i bX`Ui Z  
ni \_ØbZh][ Y`5bZcfXYfi b[ Yb`j cfni VYfY]hYb"

: Un]h.`6YXYi hi b[ `XYf` : cfhgW`f]hhY`ZØf`X]Y

; Ya Y]bgW`UZh

8]Y`VYj cfghY\YbXYb`6Ui UfVY]hYb`Ub`XYf`5\*`nY][ Ybž`k ]Y`k ]W`h][  
Yg`]ghž`X]Y`J Yf\_Y`fgUbV]bXi b[ `]b`Y]bYf`ni bY`a YbX`k UW`gYbXYb  
FY[ ]cb`ni`cdh]a ]YfYb``8]Y`j c``ghÅbX][ Y`9fbYi Yfi b[ `XYf`6fØW`Yb  
k ]fX`b]W`h`bi f`XYb`J Yf\_Y`fgZi gg`j YfVYggYfbž`gcbXYfb`Ui W`X]Y  
G]W`Yf`Y]h`XYf` : U`f[ ÅghY`Yf`Ø`Yb``9g`]ghni` `c`ZYbž`XUgg`X]Y  
6Yj Ò`\_Yfi b[ `k Å`fYbX`X]YgYf`NY]h; YXi`X`nY][ hi bX`X]Y  
J YfVYggYfi b[ Yb`Yhnh]W`U`g`J cfhY]`ZØf`U`Y`J Yf\_Y`f`ghY]`bY`a Yf  
k U`fb]a a h"

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