

# A Ò[ `]W\ Y`l fgUW\ Yb`ZØf`A i g\_Y`gW\ a YfnYb

8]YgY`6YgW\k YfXYbž`Ui W\`A mU`[ ]Y`[ YbUbbhž`g]bX`Y]b`k Y]h  
j YfVfY]hYhYg`D\`Àbca Ybž`XUg`ZUgh`YXYb`]f[ YbXk Ubb`]a  
@YVYb`VYhf]Zh" `G]Y`\_ÒbbYb`c`\_U`]b`Y]bYa`VYgh]a a hYb  
A i g\_Y`cXYf`[ fi ddYbk Y]gY`Ui ZhfYhYb`i bX`j cb`Y]W\hYa  
l bVY\U[ Yb`V]g`ni`i bYfhf`À[ `]W\Yb`GW\ a YfnYb`fY]W\Yb" `8]Y  
; fØbXY`XUZØf`g]bX`j ]Y`ZÀ`h][ `i bX`\_ÒbbYb`j cb`Y]bZUW\Yb  
, VYfUbgfhfYb[ i b[ Yb`V]g`\]b`ni`YfbghYfYb`a YX]n]b]gW\Yb  
Ni gh`ÀbXYb`fY]W\Yb" `ϕ`X]YgYa`5fh]\_Y`k YfZYb`k ]f`Y]bYb`6`]W\_  
Ui ZY]b][ Y`XYf`\`Ài Z][ ghYb`l fgUW\Yb`ZØf`A i g\_Y`gW\ a YfnYb"  
, VYfVY`Ughi b[ `i bX`J Yf`Yhni b[ Yb`9]bY`XYf`\`Ài Z][ ghYb  
l fgUW\Yb`]gh`X]Y`, VYfVY`Ughi b[ `cXYf`Y]bY`J Yf`Yhni b[ ž`c`Zh  
Ui g[ Y`Ògh`Xi fW\`gdcfh]W\Y`5\_hj] ]h`hYb`cXYf`i b[ Yk`c`b`hY  
\_`ÒfdYf`]W\Y`5fVY]h" `6Y]a`Gdcfh`cXYf`VY]`\_`ÒfdYf`]W\Yf  
6Yh`h][ i b[ ž`VYgcbXYfg`k Ybb`Y]bY`bYi Y`cXYf`/ Ua`d`^`Y`]d/

8]YgY`6YgW\k YfXYbž`Ui W\`A mU`[ ]Y`[ YbUbbhž`g]bX`Y]b`k Y]h  
j YfVfY]hYhYg`D\`Àbca Ybž`XUg`ZUgh`YXYb`]f[ YbXk Ubb`]a`@YVYb  
VYhf]Zh" `G]Y`\_ÒbbYb`c`\_U`]b`Y]bYa`VYgh]a a hYb`A i g\_Y`cXYf  
[ fi ddYbk Y]gY`Ui ZhfYhYb`i bX`j cb`Y]W\hYa`l bVY\U[ Yb`V]g`ni  
i bYfhf`À[ `]W\Yb`GW\ a YfnYb`fY]W\Yb" `8]Y`; fØbXY`XUZØf`g]bX  
j ]Y`ZÀ`h][ `i bX`\_ÒbbYb`j cb`Y]bZUW\Yb`, VYfUbgfhfYb[ i b[ Yb`V]g`\]b  
ni`YfbghYfYb`a YX]n]b]gW\Yb`Ni gh`ÀbXYb`fY]W\Yb" `ϕ`X]YgYa`5fh]\_Y`  
k YfZYb`k ]f`Y]bYb`6`]W\_`Ui ZY]b][ Y`XYf`\`Ài Z][ ghYb`l fgUW\Yb`ZØf`  
A i g\_Y`gW\ a YfnYb"

## , VYfVY`Ughi b[ `i bX`J Yf`Yhni b[ Yb

9]bY`XYf`\`Ài Z][ ghYb`l fgUW\Yb`]gh`X]Y`, VYfVY`Ughi b[ `cXYf`Y]bY`  
J Yf`Yhni b[ ž`c`Zh`Ui g[ Y`Ògh`Xi fW\`gdcfh]W\Y`5\_hj] ]h`hYb`cXYf`  
i b[ Yk`c`b`hY`\_`ÒfdYf`]W\Y`5fVY]h" `6Y]a`Gdcfh`cXYf`VY]`\_`ÒfdYf`]W\Yf  
6Yh`h][ i b[ ž`VYgcbXYfg`k Ybb`Y]bY`bYi Y`cXYf`]bhYbg]j YfY`F`ci`h]bY

VY[ cbbYb'k ]fXž\_ÒbbYb'A i g\_Y`ZUgYfb'a ]\_fcg\_cd]gW'fY]» Ybž'k Ug  
ni 'GW'a YfnYb'i bX'GhY]Z\Y]h'ZØ\fh"

## GhfYgg'i bX'J YfgdUbbi b[ Yb

7\ fcb]gWYf'GhfYgg'i bX'J YfgdUbbi b[ Yb'\_ÒbbYb'YVYbZU`g'  
**A i g\_Y`gW'a YfnYb**'j Yfi fgUWYb"K Ybb'k ]f'[ YghfYggh'g]bXž'bY][ h  
XYf'ÒfdYf'XUni ž'g]W'Ubni gdUbbYbž'k Ug'ni 'j Yf\_fUa dZhYb'i bX  
gW'a Yfn\UZhYb'A i g\_Y`b'ZØ\fyb'\_Ubbž']bgVYgcbXYfY'a 'BUW\_Yb!ž  
GW'i 'hYf!'i bX'F ØW\_YbVYfY]W'"9bhgdUbbi b[ ghYWb]\_Ybž  
fY[ Y'a Å»][ Y'DUi gYb'i bX'6Yk Y[ i b[ '\_ÒbbYb'\Y`ZYbž'X]YgY'5fh  
j cb'6YgW'k YfXYb'ni ''bXYfb"

## ≠bZY\_h]cbYb

J YfgW]YXYbY'≠bZY\_h]cbYb'i bX'?fUb\_\Y]hYb'\_ÒbbYb'A mU`[ ]Y'U`g  
Gma dhca 'Ui Zk Y]gYb"'6Y]gd]Y`gk Y]gY']gh; f]ddY`VY\_Ubbh'XUZØfž  
XUgg'g]Y'bYVYb'UbXYfYb'Gma dhca Yb'k ]Y': ]YVYf'i bX'9fgW'ØdZi b[  
Ui W'GW'a YfnYb'j Yfi fgUW'h"8 UfØVYf'\]bUi g'\_ÒbbYb'YfbghYfY  
6YX]b[ i b[ Yb'k ]Y'X]Y'5i hc]a a i bYf\_fUb\_i b[ 'Dc`ma mU`[ ]U  
f\Yi a Uh]W'cXYf'VU\_hYf]Y`Y'≠bZY\_h]cbYb'k ]Y'@ma Y!6cffY`]cgY  
A i g\_Y`gW'a YfnYb'\Yfj cffi ZYb"

## A YX]\_Ua YbhY'i bX'H\YfUd]Yb

6Ygh]a a hY'A YX]\_Ua YbhY'i bX'H\YfUd]Yb'\_ÒbbYb  
A i g\_Y`gW'a YfnYb'U`g'B YVYbk ]f\_i b[ '\UVYb"'8 Uni '[ Y\ØfYb  
GhUh]bY'ni f'GYb\_i b[ 'XYg'7\c`YghYf]bgd]Y[ Y`gž'VYgh]a a hY  
6'i hXfi W\_a YX]\_Ua YbhY'i bX'A YX]\_Ua YbhY'ni f'6Y\UbX'i b[ 'j cb  
'fYVg"K Ybb'6YgW'k YfXYb'UW'6Y[ ]bb'Y]bYf'bYi Yb'A YX]\_Uh]cb  
Ui ZhfYhYbž]gh'Yg'k ]W'h][ ž'X]Yg'a ]h'Y]bYa '5fnh'ni 'VYgdFYWYbž'XU  
Y]bY'5bdUggi b[ 'XYf'6Y\UbX'i b[ 'YfZcXYf'W'gY]b'\_ÒbbhY"

## A Ub[ Y`ni ghÀbXY

9]b'A Ub[ Y`Ub'VYgh]a a hYb'B À\fghc ZYbž']bgVYgcbXYfY'J ]hUa ]b'8ž  
'U']i a ž'U`n]i a 'i bX'A U[ bYg]i a ž'\_Ubb'ni 'A i g\_Y`gW'a YfnYb

Z0\fyb"8]YgY`BÀ\fgbcZZY`g]bX`YggYbh]Y``Z0f`X]Y`A i g\_Y`[ Ygi bX\Y]h  
i bX`!Z b\_h]cb"9]bY`i bUi g[ Yk c[ YbY`9fbÀ\fi b[ ž`VYgh]a a hY  
9f\_fUb\_i b[ Yb`cXYf`X]Y`9]bbU\ a Y`j cb`A YX]\_Ua YbhYbž`X]Y`X]Y  
BÀ\fgbcZZUi ZbU\ a Y`VYY]bZi ggYbž`\_0bbYb`ni `gc`WYb`A Àb[ Y`b  
Z0\fyb"

## 7\fc b]gWY`9f\_fUb\_i b[ Yb

7\fc b]gWY`9f\_fUb\_i b[ Yb`k ]Y`i ]Vfca mU`[ ]Yž`Y]bY`Gh0fi b[ ž`X]Y`ni  
GWa YfnYb`i bX`A 0X][ \_Y]h`Z0\fhž`cXYf`XUg`7\fc b]gWY  
9fgW 0dZ b[ ggmbXfca ` \_0bbYb`YVYbZU`g`6YgWk YfXYb  
j Yfi fgUWYb"8]YgY`6YX]b[ i b[ Yb`g]bX`cZh`\_ca d`YI `i bX`YfZcfXYfb  
Y]bY`i a ZUggYbXY`6Y\UbX`i b[ gghfUH Y[ ]Y"

K Ybb`6YgWk YfXYb`a ]`X`g]bX`i bX`k U\fgWY]b`]W`Ui Z  
, VYfUbghfYb[ i b[ `cXYf`GhfYgg`ni f0W`ni Z0\fyb`g]bX`ž`Y`ZYb`cZh  
Fi \Yž`Y]W`hY`8Y\ b0Vi b[ Yb`i bX`GWa Yfna ]hY`"6Y]`Ub\U`hYbXYb  
cXYf`i bYf`\_Àf`]WYb`A i g\_Y`gW a YfnYb`]gh`Yg`YXcW`k ]W`h][ ž`n`"6"  
]b`Y]bYa `NYbhfi a `Z0f`Gdcfh!BYi fc`c [ ]Y`Àfnh]WYb`F Uh  
Y]bni \c`Ybž`i a `X]Y`ni [ fi bXY`]Y[ YbXY`i fgUWY`ni  
X]U[ bcgh]n]YfYb`i bX`Yb hgdFYWYbX`ni `VY\UbXY`b"

8YhU]`g

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