

## NYbhfU`VUb\_VYUa hYf' `GWk Y`Yb`AbXYf

æ 'FU\ a Yb'XYf'7\Ufa YcZZYbg] Y'XYf'NYbhfU`VUb\_`j cb  
B][ Yf]U`f76BĚ\Uh: c`Ug\cXi b`G\cbi V]ž'XYf'ghY`j YfhfYhYbXY  
; ci j YfbYi f'XYf'ægh]hi h]cbž'VY\Ui dhYhž'XUgg'X]Y`\_ca a YbXY  
X][ ]hU`Y`K`À\fi b[ 'XYf'NYbhfU`VUb\_`f7687Ě'XYg'@UbXYg'Y]bY  
g]WXYfYfY`Cdh]cb`ZØf'df]j UhiUi g[ Y[ YVYbY  
?fmdhc k`À\fi b[ Yb`'gY]b`k ]fX"'`GhUV]`]h`h`XYg  
NU\`i b[ ggmghYa g'8UfØVYf`\]bUi g`k ]fX`Yfk UfhYhž'XUgg'X]Y  
X][ ]hU`Y`K`À\fi b[ 'XYg'76B`'`Ui W`U`g'9!BU]fU`VY`Ubbh`'X]Y  
U`hi Y`Yb`6YfY]WXY`XYf'NU\`i b[ gcdh]cbYb`Yf[ `Abnh`'8]Yg  
k ]fX`'Ui h`G\cbi V]'`X]Y`GhUV]`]h`h`XYg'NU\`i b[ ggmghYa g`Ui Z  
`Ub[ Y`G]W`h`'[ Yk`À\`f`Y]ghYb"'`ænk ]gWXYb`]'b`gY]bYb`UbXYfYb  
6Ya Yf\_i b[ Yb`k ]Y`[ Ya Y`XYh]j cb`BU]fUa Yhf]Wg`gW`i [   
G\cbi V]j cfž'XUgg'XYf'7687`X]Y`[ `Y]WXYb`J YfgdfYWXYb`i bX  
X]Y`[ `Y]WXYb`': i b\_h]cbYb`k ]Y`XYf': ]Uh/ Ua d^Y`d/

⇒a`F U\ a Yb`XYf`7\ Ufa YcZZYbg]j Y`XYf`NYbhfU`VUb`\_j cb  
B][ Yf]U`f76BŁ`Uh': c`Ug\cXi b`G\cbi V]ž`XYf  
ghY`j YfhfYhYbXY`; ci j YfbYi f`XYf`⇒bgh]hi h]cbž`VY\Ui dhYhž  
XUgg`X]Y`\_ca a YbXY`X][ ]hU`Y`K À\fi b[ `XYf`NYbhfU`VUb`\_  
f7687Ł`XYg`@UbXYg`Y]bY`\_g]W\YfYfY`C dh]cb`ZØf`df]j Uh  
Ui g[ Y[ YVYbY`? fmdhck À\fi b[ Yb`\_gY]b`k ]fX"

## GhUV]`hÀh`XYg`NU\`i b[ ggmgHYa g

8 UfØVYf`\]bUi g`k ]fX`Yfk UfhYhž`XUgg`X]Y`X][ ]hU`Y`K À\fi b[ `XYg  
76B`\_`Ui W\`U`g`9!BU]fU`VY`\_Ubbh`\_X]Y`U`hi Y`Yb`6YfY]W\Y`XYf  
NU\`i b[ gcdh]cbYb`Yf[ `Àbnh`8]Yg`k ]fX`\_Ui h`G\cbi V]`\_X]Y`GhUV]`hÀh  
XYg`NU\`i b[ ggmgHYa g`Ui Z`Ub[ Y`G]W\h`\_[ Yk À\`f`Y]ghYb"

⇒nk ]gW\Yb`\_b`gY]bYb`UbXYfYb`6Ya Yf`\_i b[ Yb`k ]Y`[ Ya Y`XYh`j cb  
BU]fUa Yhf]Wg`gW\`i [ `G\cbi V]`j cfž`XUgg`XYf`7687`X]Y`[ `Y]W\Yb  
J YfgdfYW\Yb`i bX`X]Y`[ `Y]W\Yb`i b`\_h]cbYb`k ]Y`XYf`i ]Uh`BU]fU  
\UVYb`k ]fX`"8Yf`ghY`j YfhfYhYbXY`; ci j YfbYi f`Yf`\_`ÀfhY.

8]Y`X][ ]hU`Y`NYbhfU`VUb`\_k À\fi b[ `V]YhYh`U`Y`J cfhY]Y`j cb  
6Uf[ Y`Xž`YXcW`\_]b`X][ ]hU`Yf`i cfa`"»XY`Y]bnY`bY`X][ ]hU`Y  
K À\fi b[ `]gh`Y]bY`Y`Y`\_hfc]gW\Y`J Yfg]cb`XYg`6Uf[ Y`Xgž`XYg  
[ YgYhn`]W\Yb`NU\`i b[ ga`]hhY`g`"K Ybb`G]Y`Y]bY`6UfnU\`i b[  
j cfbY\`a Ybž`YfZc`[ h`X]Y`5VfYW\bi b[ `gcZcfh`X][ ]hU`Y  
K À\fi b[ Yb`Vf]b[ Yb`X]Y`[ `Y]W\Yb`J YfgdfYW\Yb`i bX`bcW  
a Y\`f`a ]h`g]W\`"

BUW\`XYf`j c`ghÀbX][ Yb`l a gYhni b[ `Yfk UfhYh`G\cbi V]`]b`XYb  
\_ca a YbXYb`HU[ Yb`\_gW\`bY`Y`9]b[ `]YXYfi b[ gfUhYb`"5i »YfXYa  
k ]fX`g]W\`X]Y`9!BU]fU`bUW\`5VgW\`i gg`XYg`7687!Fc`ci hg]j cb  
df]j Uh`Ui g[ Y[ YVYbYb`? fmdhck À\fi b[ Yb`i bhYfgW\Y]XYbž`X]Y  
V]g\Yf`\_ZØf`⇒j Ygh]h]cbYb`j Yfk YbXYh`k i fXYb`"

8 ][ ]hU`Y`K À\fi b[ Yb`Yfa Ò[ `]WXYb`gWx bY`YfY  
i bX`[ Øbgh][ YfY`[ fYbnØVYfgWx fY]hYbXY  
 , VYfk Y]gi b[ Yb

G\cbi V]k Y]ghUi W`XUfUi Z\]bžXUgg`XUg`76B`XYf`U``[ Ya Y]bYb  
5bg]Wxh`ni gh]a a hžXUgg`X][ ]hU`Y`K À\fi b[ Yb`X]Y`?cghYb  
[ fYbnØVYfgWx fY]hYbXYf` , VYfk Y]gi b[ Yb`Yf\YV`]Wx`gYb\_Yb  
\_ØbbYb`"8Yf`ghY`j YfhfYhYbXY` ; ci j YfbYi f`j cb`76B`žXYf`Ui ZY]bYf  
j ca`7\UfhYfYX`≠gh]hi hY`cZ`6Ub\_Yfg`cZ`B][ Yf]U`f7`≠BŁ  
cf[ Ub]g]YfhYb`j ]fhi Y`Yb`J YfUbghU`hi b[ `gdfUWx`žk Ufbh`YXcWx  
XUj cfžXUgg`X]Y`NYbhfU`VUb`\_Ui Z`F]g]\_Yb`UWxhYb`a i gg`"9f  
Yf`\_ÀfhY.

: Øf`6Ub\_Yb`]b`9bhk ]W`\_i b[ g`ÀbXYfb`k ]fX`Yg`]\fY`@ei ]X]hÀhi bX  
9Z]n]Ybn`VY]`bUh]cbU`Yb` , VYfk Y]gi b[ Yb`j YfVYggYfb`i bX`X]Y  
\c\Yb` , VYfk Y]gi b[ g`cghYb`]b` : fU[ Y`ghY`Ybžk À\YbX`g]Wx`X]Y  
K Y`h`bUWx`XYf`DUbXYa` ]Y`Yf`c`h`≠W`V]b`XYf`5bg]WxhžXUgg`X]Y`Y`fU  
XYg`7687`[ fÒ»YfY`7\UbWx`b`ZØfXYfhi bX`X]Y`NYbhfU`VUb`\_g]Wx`XYf  
F]g]\_Yb`VYk i ggh`gY]b`i bX`X]YgY`a` ]bXYfb`a i gg"

8 Ug`76B`žXUg`Yfk UfhYh`i a`X]Y`HYghd\UgY`gY]bYg`7687!Dfc`Y`\_hg  
]a`C`\_hcVYf`ni`VY[ ]bbYbž`\Uh`fci h]bYa`À»][`9f`\_Àfi b[ Yb  
j YfÒZYbh`]WxhžX]Y`XYb`K i bgWx`XYf`NYbhfU`VUb`\_VY`f`ÀZh][ YbžY]bY  
X][ ]hU`Y`K À\fi b[ `ni` \UVYbžX]Y`a` ]h`df]j Uh`Ui g[ Y[ YVYbYb  
?fmdhc`g`k ]Y`6]hWc]b`\_cb`\_i ff]Yfh` ; `Y]Wx`nY]h][ `Uh`XUg`76B`Y`]bY  
F Y]\Y`j cb`9bhgWxY]Xi b[ Yb`[ YhfcZYbžX]Y`XUfUi ZUVn]Y`YbžX]Y  
J Yfk YbXi b[ `j cb`?fmdhc`k À\fi b[ Yb`ni` j Yff]b[ Yfb`cXYf`XUj cb  
UVni fUhYb"

Hfchn`X]YgYf`9bhgWxY]Xi b[ Yb`YXcWx`≠hYfYggY`]b  
?fmdhc`k À\fi b[ Yb`k`ÀWxgh`k Y]hYf`"K Ybb`X]Y`9]bZØ\fi b[ `j cb`9!  
BU]fU`VY[ ]bbhž`k ]fX`Yg`]bhYfYggUb`h`gY]b`ni` `gY\Ybž`c`V`X]Yg`ni  
Y]bYa` [ Yf]b[ YfYb`6]hWc]b]!<UbXY`g] c`i a` Yb`ZØf`X]Y`BUh]cb`ZØ`fh"

Gh]a a Yb`G]Y`G\cbi V]g`6Ya Yf`\_i b[ Yb`ni  
?fmdhc`k À\fi b[ Yb`ni`3`GU[ Yb`G]Y`i`bg`≠fY`A`Y]bi b[ `]a  
?ca`a`Yb`hUfVYfY]Wx`i`bhYb`"

6]`XbUWk Y]gY. `G\i hhYfghcW\_ž'D]l UVUmž'K ]\_]`7ca a cbg

f[ bWh]cbfXž'gž']XŁ'oj Uf`'gž'Z'g'1 `X"[ Yh9`Ya Ybhg6mHU[ BUa YfgŁ\$Q'  
]Z'fK"[ Yh9`Ya Ybh6mXf]XŁ'fYhi fb/'`g'1 `X"WfYUhY9`Ya YbhfgŁ/'`g"]X'1  
]X/'`g"gfWl "\hhdg.##AŁcbbYWh"ZUWVcc\_"bYh#YbSl G#gX\_"`g. l ZVa `1 %/  
j Yfg]cb1 j ' "&"/Z'g"dUfYbhBcXY"]bgYfh6YzcFYf'gž'Z'gŁ/'qfKcW a Ybhž  
fgWf]dhfž'fZUWVcc\_!`ggX\_fŁŁ/

8YhU]`g

6Ygi W\Yb`G]Y`i bg`Ui Z.`\_fmdhc!bYk g"Uh