

: cfa Y`'%']b =a c`U. A W@UfYb]a FY]ZYb_f]a] i a '7*!DfYa]YfY°

8]Y: cfa Y`'%!GU]gcb'ghUfhYh'Ua '%+"\$) "&\$&) ']b'=a c`Už'k c D]fY``]'X]Y'bYi Y'FY]ZYba]gW\i b['7*'Y]bZØ\fh''A W@UfYb'ZØ\fh X]Y'K Yfhi b['Ub"



=a c`Už:=hU`]Yb'!'8]Y': cfa Y`'%!GU]gcb']b'9i fcdU'VY[]bbh'Ua
_ca a YbXYb'K cWXYbYbXY']b'=a c`Už'i bX'Yg'[]Vh'j]Y`'5i ZfY[i b[
i a 'X]Y'bYi Y'FY]ZYba]gWXi b[žX]Y'j ca ']hU`]Yb]gWXYb'<YfghY``Yf
D]fY``]'Y]b[YZØ\fh'k]fX"'@Ui h'8YfK YghYb'k]fX'XYf'7*!FY]ZYbž'X]Y
k Y]WXghY'A]gWXi b[']a 'Gcfh]a Ybhž'ni a 'YfghYb'A U`'Y]b[YgYhnh"
8]YgY'bYi Y'A]gWXi b['gc``'ZØf'a Y\f'GdUbbi b[']a 'FYbbYb'gcf[Ybž
XU'g]Y'g]WX'gWXbY``Yf'UVbi hnh'i bX'Zc`[`]WX'\Ài Z][YfY'6cl Ybghcddg
YfZcfXYfh"</pre>

A WeUfYb ZØ\fhini fnY]hi]b XYfi?cbghfi _hYi fgk Yfhi b[žiUb XYfiGd]hnYghY\hiK A!: Ø\fYbXYfiCgWUfiD]Ughf]žiXYfini `YhnhiXfY]iG]Y[Yi]b : c`[YYfn]Y`hY"'8YfiA WeUfYb A7@ - '\Uhig]W\'U`giXYfifY]ZYbgW\cbYbXghYK U[Ybi]a :: Y`X'Yfk]YgYbžik UgiXYa 'HYUa ']b XYfiU_hi Y``YbiGU]gcbY]bYbiJcfhY]`ij YfgW\UZZh"

< YfUi gZcfXYfi b[Yb ZØf D]fY``]

9]b'k Y]hYfYg'N]Y`'j cb'D]fY``]']gh'Ygž'`Ub[Y'DfcnYgg]cbYb'ni
j Yfa Y]XYbž']b'XYbYb': U\fYf'b]W\h'U[[fYgg]j 'ZU\fYbž'i a 'XYb
FY]ZYbj YfgW\Y]» 'ni 'a]b]a]YfYb"'A]h'XYf'9]bZØ\fi b['XYg
7*!FY]ZYbg'\cZZYb'X]Y'J YfUbhk cfh`]W\Ybž'Y]bYb'Zcfh`Ui ZYbXYb
5VVUi 'XYg'`Y]ghi b[gghUf_Yb'; i a a]g'ni 'VYcVUW\hYbž'k Ug'Y]bY
ghfUhY[]gW\Y'J Uf]Uh]cb']a 'FYbbYb'Yfa Ò[`]W\Yb'_ObbhY"

GhfUhY[]gWXY', VYf`Y[ib[Yb'ZØf'XUg'FYbbYb

 $\label{thm:thm:tyfi} Hfchn: XYf: < YfUi gZcfXYfi b[Yb:g]bX:]bhYfYggUbhY: ghfUhY[]gWXY, VYf:Y[i b[Yb:ZØf:XUg:a c:U!FYbbYb:ni:Yfk UfhYb:"D]fY::]: \ Uh Uba Y:XYb:_ObbYbž: XUgg:XYf:7*!FY]ZYb:VY]:j YfgWX]YXYbYb HYUa ghfUhY[]Yb:\]:ZfY]WX: gY]b:_ObbhY:"8]Y:[YgUa a Y:hYb:8 UhYb k A\fYbX:XYg:FYbbYbg:k YfXYb:YbhgWXY]XYbX:ZØf:X]Y 9bhgWXY]Xi b[:gY]bž:cV:HYUa g:_ØbZh][:A]gWXi b[:Yb:ØVYfgdf]b[:Ybgc:`hYbž:i a:[fO)*YfY:@Y]ghi b[:gi bhYfgWX]YXY:ni:Yfn]Y:Yb:"8]YgY GhfUhY[]Y:_ObbhY:HYUa g:ni:Nk Y]!Ghcdd!FYbbYb:XfAb[:Ybž k cXi fWX:XUg:FYbb[:YgWX]YXY:hi ZfY[:YbXYf:k]fX"$

D]fY``]!6cgg`A Uf]c`=gc`U`\Uh'ni XYa `VYhcbhž'XUgg`XYf`9]bgUhn`XYg 7*!FY]ZYbg`]b`XYb`YfghYb`FYbbYb`XYf`GU]gcb`Ui Z[fi bX`c[]gh]gW\Yf`; fØbXY`b]W\h'a Ò[`]W\`k Uf"`9f`Yfk UfhYhž'XUgg`X]Y @Y]ghi b[`XYg`7*'i bhYf`FYbbVYX]b[i b[Yb`Y]b`k]W\h][Yf`HYgh`ZØfX]Y`Ni _i bZh`XYf`FY]ZYbghfUhY[]Y`gY]b`k]fX"

8]Y FØW_a Y`Xi b[Yb'j cb'XYb'HYUa gž'gck c\``ni 'XYb'FY]ZYb'U`g

Ui W. 'ni 'XYb'GhfUhY[]Ybžk YfXYb'Y]bY'k Yfhj c``Y'; fi bX`U[Y'ZØf__ØbZh][Y'FYbbYb'V]YhYbž'Y]bgW\`]Y»`]W\'XYf'<YfUi gZcfXYfi b[YbžX]Y']a '\JdUb]gW\Yb'; fUbX'Df]I 'Ui ZhfYhYb'_ObbhYb"'8]Y
GW\k]Yf][_Y]hYbž'X]Y'Xcfh'VY]'XYf'FY]ZYbghfUhY[]Y'Ui Z[YnY][h kifXYbž'_ObbhYb'[Y[YVYbYbZU``g'À\b`]W\Y'FYU_h]cbYb'VY]'XYbHYUa g']b'\=a c`U'\Yfj cffi ZYbž'VYgcbXYfgž'k Ybb'Yg'i a 'X]Y
5bdUggi b[Yb'VY]'XYf'K U\``XYf'A]gW\i b[Yb'[Y\hž'k]Y': cfa Y`%"XY'VYf]W\hYh"

: Øf'D]fY``]'i bX'X]Y'HYUa g'[]`h'Ygž'XUg'FYbbYb']b'=a c`U'gck c\``U`g HYghZY`X'ZØf'XYb'7*!FY]ZYb'ni 'bi hnYb'U`g'Ui W\'i a ZUggYbXY'8 UhYb ni 'gUa a Y`bž'X]Y'ZØf'X]Y'_ca a YbXY'GU]gcb'j cb'6YXYi hi b['gY]b _ÒbbhYb"'8]Y'Ni gW\Ui Yf'XØfZYb'g]W\'Ui Z'Y]b'dUW_YbXYg'i bX ghfUhY[]gW\'Ubgdfi W\gj c``Yg'FYbbYb'ZfYi Yb"

8 YhU]`g	
Cfh	a c`Už'=hU`]Yb
EiY``Yb	• k k k "XYfk YghYb"XY
	• k k k "Ui hcgdcfh"Wca
	• k k k "Zcfa Y`%"XY

6Ygi WXYb G]Y i bg Ui Z b!U["XY