

## 7 ca di ; fci d A YX]WU` j Yfd Z`]WX hYh 8][]hU`]g]Yfi b[gYl dYfhYb l `Z' < Òb]W\_ 'ZØf 5 d c h\ Y\_Yb[ YgWX À Zh



BYi Yf'@Y]hYf'ZØf'5dch\Y\_Yb[YgWXÀZh'VY] 7ca di; fci d'A YX]WU`

bYi Yb'; YgW\ÀZhgZØ\fYf'ZØf'7; A '@Ui Yf'[Yk cbbYb'''< Ob]W\_']gh'Y]b
9I dYfhY'ZØf'8][]hU']g]Yfi b[']a'; Ygi bX\Y]hgk YgYb'i bX'Vf]b[h
i a ZUb[fY]W\Y'9fZU\fi b[']b'XYf'I bhYfbY\a YbgYbhk]W\_'i b['i bX
]a 'Dfc'Y\_ha UbU[Ya Ybh'a]h'''9f'k Uf'ni j cf'79C'VY]'Bcj Ybh]'8][]hU'
i bX'j YfUbhk cfh']W\'ZØf'X]Y'9bhk]W\_'i b['bYi Yf'; YgW\ÀZhga cXY''Y
]a '5dch\Y\_Yba Uf\_h'''+b'gY]bYf'bYi Yb'Dcg]h]cb'VYf]W\hYh'Yf'X]fY\_h
Ub'9a Ubi Y'Y'A i [bUb]ž'; YgW\ÀZhgZØ\fYbXYf'8]fY\_hcf'5a Vi 'Uhcfm
+bZcfa Uh]cb'GmghYa g'9i fcdY''

8]Y '9fbYbbi b['j cb'< Ob]W\_'nY][h'X]Y '6YXYi hi b['XYf
8][]hU`]g]Yfi b[']a'; Ygi bX\Y]hgk YgYb"'8i fWX 'gY]bY '9I dYfh]gY'k]fX
7; A'@Ui Yf'k Y]hYf\]b'X]Y'VYghYb'@Ogi b[Yb'i bX'XYb'VYghYb
GYfj]WY'ZØf'5dch\Y\_Yb'V]YhYb'i bX'XUXi fWX'XUg
; Ygi bX\Y]hggmghYa']bg[YgUa h'j YfVYggYfb"

 $\label{eq:localized-condition} $$Jcf'gY]bYf'HAh][_Y]h'VY]'7; A 'k Uf' < Ob]W_'VY]'XYf'Bcj Ybh]'; fcid hAh][ ž'gck c\``U`g'79C'XYf'Bcj Ybh]'8][]hU`'; a V < 'U`g'Ui W\`U`g 8]fYWhcf'8][]hU`' < YU`h\"'8cfh'k Uf'Yf'a U» [YV`]W\`Ub'XYf 9]bZØ\fib['XYf'Y`Y_hfcb]gW\Yb'; Ygi bX\Y]hg_UfhY'i bX'XYa 5i ZVUi 'XYf'HY`Ya Uh]_]bZfUghfi _hi f']b'8Yi hgW\`UbX'VYhY]`][ h'' Ni j cf'\UhhY'Yf'`Y]hYbXY'Dcg]h]cbYb'VY]'JYf]: cbYž'G]Ya Ybg < YU`h\WUfY'i bX'\Dcg]hYcb'HYW\bc`c[ [Yg']bbY''$ 

8]Y'9]bghY``i b['j cb'l `Z'< Ob]W\_'U`g'@Y]hYf'XYg'5dch\Y\_Yb[YgW\ÀZhgVY]'7; A 'i bhYfghfY]W\h'X]Y'ghfUhY[]gW\Y'5i gf]W\hi b['XYg I bhYfbY\a Ybg'i bX'XYb': c\_i g'Ui Z'X]Y'8][]hU`]g]Yfi b[']a; Ygi bX\Y]hgk YgYb'''A]h'gY]bYf'9fZU\fi b['i bX'9I dYfh]gY'k]fX'Yg7; A 'k Y]hYf\]b'[Y`]b[Ybž']bbcj Uh]j Y'@Ògi b[Yb'Ubni V]YhYb'i bXXUa]h'X]Y'; Ygi bX\Y]hgVfUbW\Y'j cfUbni hfY]VYb''

## DfYggY cbhU h.

: fUb\_'6fYa gYf

GYb]cf<sup>-</sup>7ca a i b]WUh]cbg<sup>-</sup>A UbU[Yf

A c V ] `. 'Ž ( - '%) % '& - & ', %- '' &

9!AU]`. ZfUb\_"VfYa qYf4 W/a "Wca

Jcfg]hnYbXYf`XYgʻ5i Zg]W\hgfUhYg.`D\]`]dd`jcb`=`VYf[ 'ŒG]hn`XYf; YgY``gW\UZh`?cV`Ybnž'<F6`&+('\$ž'5a hg[Yf]W\h'?cV`Ybn

 $\label{lem:def} DYfgOb`]WX`\UZhYbXY'; YgY``gWXUZhYf]b.'7ca di; fci d'AYX]WU`AUbU[YaYbh'G9'CEG]hn'XYf'; YgY``gWXUZh.'?cV`Ybnž'<F6'&+' ('ž 5a hg[Yf]WXh'?cV`Ybn$ 

Jcfg]hnYbXYf'XYg'JYfk U`hi b[gfUhg.: fUb\_; chh\UfXh

; YgW\ÀZhgZØ\fYbXY'8]fY\_hcfYb.'A]W\UY``FUiW\'ff79C\Łž'8Ub]Y`U <caaY`ž'9aUbiY`Y'Ai[bUb]ž'<UbbYg'FY]W\`ž'8f"'I`f]W\'H\caÅ

I Gh! ≼Bf". '89%%(%' (\*--'Œ7ca a YfnVUb\_'?cV`Ybn'Œ6@N.') +\$'(\$\$ (('Œ?hc". '&\$, '\$\$&'\*\$\$'Œ65B.'89\*\$') +\$('\$\$(('\$&\$, '\$\$&\*'\$\$'Œ65B.'89\*\$') +\$('\$\$(('\$&\$, '\$\$&\*'\$\$)'Œ67.'7C6589::LLL

8 YhU]`g

6Ygi WXYb G]Y i bg Ui Z. a Y]b!VYf `]b "bYh