

## $GWX cW_{OVY} f^{?} fUb_{Yb} Ui g!GWX^{]Y} i b[.7GI^{X}]g_i h]Yfh^{N}i_i bZh^{G}WX kY]bZi fh$

## 8Ug'd`Òhn`]WXY'9bXY'Y]bYf'ŸfU

8 Yf XfUa Uh]gWX Y 5 b\_ØbX][i b[ghU[ž XYf &' " '\* `]ž k]fX 'U`g Y]b 'h]YZ Y]bgWX bY]XYbXYg '9fY][b]g ']b 'XYb '9f]bbYfi b[Yb 'XYf GhUXhVYk c\bYf 'V`Y]VYb " '5 `g '6Yn]f\_gdf Ag]XYbh 'GhY ZUb : i b\_ 'X]Y B UWX f]WX h'j Yf\_ØbXYhYž k Uf 'X]Y '9bhh Ai gWXi b[ 'XYi h`]WX 'gdØfVUf" 9g 'k Uf 'Y]b 'HU[ž k]Y 'a Ub ']\b'b]WXh'Yf`YVYb 'k]`` ž 'Ai » YfhY 'Yf" GY]bY 'Yf\_`AfYbXYb 'K cfhY 'XUfØVYfž k Ufi a 'XYf '6Yn]f\_ 'XUg ?fUb\_Yb\Ui g 'b]WXh'ØVYfbY\a Yb '\_Ubbž nYi [Yb'j cb 'XYf gWX k]Yf][Yb 'Z]bUbn]Y ``Yb 'G]hi Uh]cbž ']b 'XYf 'g]WX 'X]Y '9]bf]WX hi b[VYZ|bXYh"

9f\YfZcfXYfhg`9b[U[Ya Ybh`Ui Z`dc`]h]gW\Yf 9VYbY 8 UgʻVYgcbXYfYʻ5i [Yba Yf\_'[U`h'Ui W\'XYf'JYfUbhk cfhi b['XYf Dc`]h]\_": i b\_'i bX'X]Y 'GhUXhfÀh]b 'GhYZUb]Y 'Ghc W\_]b[Yf!j cb '@UW\_i a VYhcbhYbž'k ]Y`k ]W\h]['Y]bY`gUW\`]W\Y`8]g\_i gg]cb 'ØVYf'X]Y Z]bUbn]Y``Yb '< YfUi gZcfXYfi b[Yb`gY]ž'X]Y`X]Y`\DZUh]cb`i bX ghY][YbXY`6Yhf]YVg\_cghYb`a ]h`g]W\'Vf]b[Yb''`?Y]b'?fUb\_Yb\Ui g\_Ubb`XUg`U``Y]bY`k i ddYb ž'gc': i b\_"'<]YfVY]`ghY``hY`g]W\'Y]b ]bhYfYggUbhYg`6]`X`XUf.`8]Y`: fU[Ybž'X]Y`X]Y`Ni \OfYf`VYk Y[hYbž XfY\hYb`g]W\'k Yb][Yf'i a 'X]Y`dc`]h]gW\Yb`JYfgÀi a b]ggY`XYf 6i bXYg!`cXYf`@UbXYgfY[]Yfi b[ž'gcbXYfb'j]Y`a Y\f`i a 'X]Y I bj YfghÀbXb]g`[Y[YbØVYf`XYf`Yk Y]`][Yb`HfÀ[YfgW\UZh`XYg?fUb\_Yb\Ui gYgž'XYf`?cb[fY[Uh]cb`XYf`9f`OgYfgW\k YghYfb`Ui g K ØfnVi f["

## 9fZc`[YXØfZYbb]WXhjYf[YggYbkYfXYb

Hfchn'XYf'VYgcf[b]gYffY[YbXYb'G]hi Uh]cb'ZY\`hY'Yg'b]W\h'Ub
H\Ya Ybž'X]Y'Y]bY'dcg]h]j Y'Gh]a a i b['ZÒfXYfb'gc``hYb": i b\_'i bX
GhcW\_]b[Yf!j cb'@UW\_i a 'bi hnhYb'X]Y'; Y`Y[Yb\Y]hž'X]Y'9fZc`[Y'XYf
7GI']b'XYf'\_ca a i bU`Yb'Dc`]h]\_'ni 'dfÀgYbh]YfYb"'GY]h'XYf
?ca a i bU`k U\``&\$&\$'UfVY]hYb'g]Y']b'Y]bYf'?cU`]h]cb'a ]h'XYb
; fØbYb'ni gUa a Yb'i bX'VYf]W\hYb'ghc`n'ØVYf'ghÀXh]gW\Y'Dfc'Y\_hY
k ]Y'X]Y'9bhk ]W\_`i b['bYi Yf'GhUXhhY]`Y'i bX'X]Y'GUb]Yfi b['XYg
H\YUhYfg"' K ]f'k c``Yb'X]Y'GhUXh'UhhfU\_h]j 'a UW\Yb ž'gc': i b\_"

## 8]Y 5i gk ]f\_i b[ Yb Ui Z'X]Y ; Ya Y]bgW UZh

8]Y'GWX`]Y»ib['XYg'?fUb\_Yb\UigYg'k]fX'UiW\'kY]hfY]WXYbXY
5igk]f\_ib[Yb'UiZ'X]Y'6Øf[Yf'jcb'GWkY]bZ|fh'\UVYbž'b]WXh'bif
UiZ'X]Y'6YgWXÀZh][hYb"'8]Y'; YgibX\Y]hgjYfgcf[ib['k]fX'g]WX
XfUgh]gWX'jYfÀbXYfbž''Y]bY'Gcf[Yž'X]Y'XifWX'X]Y'5b\_ØbX][ib[bcWX'jYfghÀf\_h'kifXY"'8Yf'JYf'ighY]bYf'gc'VYXYihYbXYbaYX]n]b]gWXYb'=bgh]hih]cb'\_ObbhY'X]Y'@YVYbgeiU']hÀh'j]Y`Yf
9]bkc\bYf'VYY]bhfÀWXh][Yb'ibX'XYb'Ni[Ub['ni'k]WXh][Yb';YgibX\Y]hgX]Ybgh'Y]ghib[Yb'YfgWkKYfYb"

±bg[YgUa h'V`Y]Vh'ni '\cZZYbž'XUgg'X]Y'GhUXh'i bX'X]Y'dc`]h]gW\Yb
J YfhfYhYf'U``Y'<YVY``]b'6Yk Y[i b['gYhnYbž'i a '@Ògi b[Yb'ni 'Z]bXYb
i bX'X]Y'Gcf[Yb'XYf'6YhfcZZYbYb'Yfbgh'ni 'bY\a Ybž'XUa]h'X]Y'[i hY

 $\label{thm:local-condition} $$ HfUX]h]cb'XYf'; Ygi bX\Y]hgj Yfgcf[i b[']b'GWk Y]bZ fh'b]Wkh j Yf`cfYb'[Y\h'']$ 

· · · B 5 ;

8 Y hU]`q

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'b!U[ "XY