

## A YggYfghYWXYfY]']b; ]Y»Yb.'JYfXÀWXh][YfbUWX'gWXcW\_]YfYbXYf'HUh'[YZUggh°

: YghbU\a Yb`bUW\`A YggYfgh]W\`]b`; ]Y»Ybž'9]bVfØW\Y`]b @c``Ufž'I bZU``Zi W\h'a ]h'J K 'i bX'U`\_c\c`VYX]b[ hYf'I bZU```]b GhUi ZYbVYf[ "'NYi [ Yb'[ Ygi W\h'

±0; ]Y»Yb′\_Ua 'YgʻUa ': fY]hU[ žʻXYb′&+"'GYdhYa VYfžʻni 'Y]bYa 'YVYbg[ YZÀ\f`]W\Yb′J cfZU``žʻU`gʻY]b′&&! À\f][ YfʻXi fW\'Y]bYb A YggYfgh]W\'Ua '6Y]b′j Yf`Yhnh′k i fXY"'9]b′Ui Za Yf\_gUa YfʻDc`]n]ghž XYfʻXYb′J YfXÀW\h][ Yb′VYfY]hgʻni j cf′]b′XYf′±bbYbghUXh′\_cbhfc``]Yfh\UhhYžʻghY``hY′XYb′Ni gUa a Yb\Ub[ 'ni fʻHUhʻ\Yfʻi bX``Y]hYhY′X]Y : YghbU\a YʻXYgʻ&&! À\f][ Yb′Y]b″'8Yfʻa i ha U»`]W\YʻHÀhYfʻ]ghʻbi b]b′; Yk U\fgUa /ˈbÀ\YfY′8YhU]`gʻni fʻHUhʻg]bXʻbcW\'b]W\h

5a 'A ]hhk cW\žXYb'&"'C\_hcVYfž'k i fXY'Y]bY': fUi ']b']\fYa 9]bZUa ]']Yb\Ui g']b'@c``Uf'j cb'nk Y]'9]bVfYW\Yfb'ØVYffUgW\hž'X]Y j cf']\fYf'HYffUggYbhØf'i bhYfk Y[ g'k UfYb"'8]Y'HÀhYf'Zc\Yb'gcZcfhžk À\fYbX'Y]b'j YfXÀW\h][ Yf'6A K ']b'XYf'BÀ\Y'Ui Z[ YZU``Yb']gh"'8]Y Dc`]nY]'gi W\h'NYi [ Ybž'X]Y' < ]bk Y]gY'ni 'XYb'9]bVfYW\Yfb'cXYf'XYa j YfXÀW\h][ Yb': U\fnYi [ '[ YVYb'\_ObbYb"'Ni XYa 'Yf`]hhYb'Ua '%" C\_hcVYf'nk Y]'?]bXYf'`Y]W\hY'J Yf`Yhni b[ Ybž'U`g'X]Y'U`\_c\c`]g]Yfh ZU\fYbXY'A i hhYf'a ]h']\fYa '5i hc'Ui Z'XYf'6i bXYgghfU» Y'' j Yfi b[ `ØW\_hY"'8Yf'JYfXUW\h'XYg'5`\_c\c`a ]ggVfUi W\g'k i fXY Xi fW\Y]bYb'JcfhYgh'a ]h'%z\$) 'Dfca ]``Y'Yf\AfhYh' 'X]Y': U\fYf]b a i gghY'XUfUi Z\]b']bg'?fUb\_Yb\Ui g"'

9VYbZU``g'Ua '' "'C\_hcVYf'bU\a 'X]Y'Dc`]nY]'Y]bYb'&-!'À\f][Yb A Ubb'ZYghž'XYf'Ui Z'Y]bYa ': Yi Yfk Y\fZYgh'Ui g`ÀbXYfZY]bX`]W\Y DUfc`Yb'g\_UbX]YfhY'i bX'Y]bY': fUi 'gYl i Y``'VY`Y]X][ hY"'8 Yf'ghUf\_ U`\_c\c`]g]YfhY'A Ubb'a i gghY'X]Y'BUW\h']b'Y]bYf'; Yk U\fgUa gnY``Y

 $\label{eq:continuity} \mbox{$]$ YfVf]b[Yb":8]Y'Dc`]nY]'gi Wh'Ui Wh']b'X]YgYa :: U```bUWh'k Y]hYfYb NYi [Yb"$ 

8 Y hU]`g	
J cfZU``	`YVYbg[YZÀ\f`]WXYf`AYggYfgh]WXž'9]bVfiWXž
	JYf_Y\fgi bZU``ž'Ui g`ÀbXYfZY]bX`]WXY'DUfc`Yb
	i bX <sup>-</sup> gYl i Y <sup>-</sup> Y <sup>-</sup> 6Y <sup>-</sup> Y]X][ i b[
J Y f`Y hnhY	The state of the s
: YghbU\a Yb	&

 $6\,Y\,gi\ W\!\!.\,Y\,b\,\,{}^.G]Y\,{}^.i\ b\,g\,{}^.Ui\ Z.\,\,{}^.b\,!\,U[\ "X\,Y\,$