

@c\ZY`XYbg`6Øf[Yfa Y]ghYf`l k Y`À[Yf`gdf]W\h`ØVYf <YfUi gZcfXYfi b[Yb`Xi fW\`6Ui ghUi `i bX`<cW\k UggYf`gck]Y _ca a i bU`Y`@Ògi b[Yb"

< cWk UggYfgWki hn i bX
6Ui ghY``Yba UbU[Ya Ybh']b'@c\ZY`XYb.'9]b
=bhYfj]Yk 'a]h'6Øf[Yfa Y]ghYf'l k Y'À[Yf</pre>

8 Yf'6Øf[Yfa Y]ghYf'j cb'@c\ZY`XYbž'l k Y'À[Yfž'ghY\h'j cf'[fc» Yb < YfUi gZcfXYfi b[Yb" +b 'Y]bYa 'U_hi Y``Yb'; YgdfÀW\ '[YÀi » Yfhž VY`Yi W\hYh'Yf'X]Y'Xf]b[YbXYb'H\Ya Ybž'X]Y'X]Y'; Ya Y]bXY VYhfYZZYbž'XUfi bhYf' < cW\k UggYfgW\i hn'i bX'GhfU» YbVUi "'8]Yg g]bX'b]W\h'bi f'hYW\b]gW\Y': fU[Ybž'gcbXYfb'Ui W\'[YgY``gW\UZh`]W\Y < YfUi gZcfXYfi b[Ybž'X]Y'X]Y'@YVYbgei U`]h\h'XYf'6Øf[Yf'X]fY_h VYY]bZi ggYb"

I bk YhhYf'i bX XYfYb : c`[Yb

< YfUi gZcfXYfi b[Yb VY] XYf I a gYhni b[j cb</pre>

6Ui dfc /Y_hYb

K Afa Yj Yfgcf[i b['i bX'bUW\\U`h][Y 9bhk]W `i b[

9]b'k Y]hYfYg'VYXYi hYbXYg'H\Ya U']gh'X]Y'_ca a i bU'Y
K Àfa Yd`Ubi b["':À[Yf'_ØbX][h'Ubž'XUgg'bi b'X]Y'D`Ubi b['ZØf'Y]bY
bUW\\U`h][YfY'K Àfa Yj Yfgcf[i b['VY[cbbYb'k YfXYb'_Ubb"'N]Y'']gh
Ygž'j cb'Zcgg]`Yb'6fYbbghcZZYb'k]Y'?c\`Y'i bX'; Ug'UVni fØW_Yb'i bX
U`hYfbUh]j Y'9bYf[]Yei Y``Ybž'k]Y'VY]gd]Y`gk Y]gY'9fXk Àfa Yž'ni
bi hnYb"'8]Yg']gh'Y]b'GW\f]hh']b'F]W\hi b['Y]bYf
i a k Y`hZfYi bX`]W\YfYb'; Ya Y]bXY'i bX'_ObbhY'`Ub[Zf]gh]['X]Y
5V\Àb[][_Y]h'j cb'YI hYfbYb'9bYf[]Y`]YZYfi b[Yb'fYXi n]YfYb"

8 Ug GWY Yf Y]hg[YZØ Y]b XYf; Ya Y]b XY

=bZfUghfi _hi f i bX J Yf_Y \ fgd `Ubi b[

8 Yf'Ni ghUbX'XYf'GhfU» Yb']b'@c\ZY`XYb']gh'Y]b'k Y]hYfYg XfÀb[YbXYg'H\Ya U"'5_hi Y```k YfXYb'a Y\fYfY'GhfU» Yb'gUb]Yfhž Y]bgW\`]Y»`]W\`XYf`?fY]ghfU»Y`nk]gW\Yb`7fi a VUW\`i bX

J c``a Ufg\Ui gYb"'*À[Yf`]gh`g]W\`VYk i gghž`XUgg`j]Y`Y`GhfU»Yb`]b`XYf
; Ya Y]bXY`]b`Y]bYa `gW\`YW\hYb`Ni ghUbX`g]bX`i bX`d`Ubhž

YfZcfXYf`]W\Y`A U» bU\a Yb`Y]bni `Y]hYb"'8]Y`Df]cf]g]Yfi b[`XYf
GhfU»YbVUi dfc`Y_hY`V`Y]Vh`YbhgW\Y]XYbXž`i a `X]Y

J Yf_Y\fgg]W\Yf\Y]h`i bX`X]Y`@YVYbgei U`]hAh`]b`XYf`; Ya Y]bXY`ni
[Yk À\f`Y]ghYb"

8]Y'dc`]h]gW\Y'@UbXgW\UZh'i bX'XYfYb 9]bZ`i gg'Ui Z'X]Y'`c_U`Y'J Yfk U`hi b[

 $\label{eq:continuous} 5 \text{VgWX `]Y `` YbX `fYZY_h]Yfh' $$\hat{A}[Yf'X]Y' < YfUi gZcfXYfi b[Ybža]h'XYbYb X]Y'GD8 `]b'BcfX\YggYb'_cbZfcbh]Yfh']gh'' `` 9f' VYgWX fY]Vh'XUg'; YZØ\` j]Y`Yf'K $$A\`Yfž'XUgg'X]Y'Dc`]h]_']b'6Yf`]b'b]WXh'fi bX'`$\hat{A}i Zhž'i bX'k]Y g]WX'X]Yg'bY[Uh]j 'Ui Z'`c_U`Y'K U\`Yb'Ui gk]f_Yb'_Ubb'' $$$[Yf'gYhnh g]WX'U_h]j 'ZØf'X]Y'6Y`Ub[Y'gY]bYf'6Øf[Yf'Y]bž'Ui WX']b'gWXk]Yf][Yb dc`]h]gWXYb'NY]hYb''$

B5;

8 Y hU1`a

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