

?`Y]bY; ÀfhbYf.: Yf]YbXYhY_h]j Y [YghU`hYb']\fY'Y][YbYb; Ya ØgYVYYhY

NY\b'?]bXYf'[YghU`hYhYb']b'G][a Uf]b[Yb']\fY'Y][YbYb; Ya ØgY[ÀfhYb'Ui g'CVgh_]ghYbži bhYfghØhnh'j ca '?i bgh!; UfhYb!K cf_g\cd"

: Yf]YbXYhY_h]j Y Ui Z 9f_i bXi b[ghci f

8]Y'Gc`]XUf]gWXY'@UbXk]fhgWXUZh'fGc`Uk]Ł'G][a Uf]b[Yb'kifXY'Ua8]YbghU['nia'GWXUid`Uhn'ZØf'nY\b'ach]j]YfhY': Yf]YbXYhY_h]jY"

=a 'FU\aYb'XYg'?ibgh!; UfhYb!K cf_g\cdg'XYf

*i[YbX_ibghgWXi`Y'G][a Uf]b[Ybž'XYf'6YghUbXhY]`'XYg

: Yf]Ybdfc[fUaag'jcb'=bn][_cZYb']ghž'_cbbhYb'X]Y'?]bXYf'b]WXh

bif'X]Y'BUhif'Yf`YVYbž'gcbXYfb'[`Y]WXnY]h][']\fYb'Y][YbYb'_Y]bYb

; Ya@gY[UfhYb'[YghU`hYb"'8]Yg'ghY``h'Y]bY'kYfhjc``Y'; Y`Y[Yb\Y]h

XUfž'ia'XYb'?]bXYfb``UbXk]fhgWXUZh`]WXY'DfU_h]_Yb'ibX'X]Y

6YXYihib['Y]bYf'bUWX\U`h][Yb'BU\fib[ga]hhY`dfcXi_h]cb

bÀ\YfniVf]b[Yb"

Jcb XYf 9fbhY V]g ni f Y][YbYb ?]ghY

BUWW. Y]bYfYfghYb? YbbYb`Yfbfi bXY'ØVYfbU\a Yb`5b'U'i bX
A U[XU`YbU`A U]Yf'X]Y'; fi ddYb`Y]hi b['i bX'ZØ\fhYb'X]Y'?]bXYf
ØVYf'XYb`5W_Yf''`6Y]'XYf': fUb_]Yfi b['j cb'fchYf'6YYhY'i bX'XYa
GUa a Y`b'j cb'?fÀi hYfb'i bX'YggVUfYb'6`ØhYb'`YfbhYb'X]Y
: Yf]YbXYhY_h]j Y'X]Y'; fi bX`U[Yb'XYf'9fbhY'_YbbYb'''9]b'k]WWh][Yf
5gdY_h'\]YfVY]']gh'X]Y'HYUa UfVY]h'i bX'X]Y': fYi XY'Ub'XYf'BUhi fž
X]Y'Xi fWW'gc`WWY'K cf_g\cdg'[YZÒfXYfh'k]fX''

$8 Ug'Y][YbY'GhØW_BUhif'[YghU`hYb]$

a 'k Y]hYfYb'JYf`Ui Z'ghUbX'XUg'_fYUh]j Y'; YghU`hYb'XYf'CVgh_]ghYb Ui Z'XYa 'Dfc[fUa a "'≯XYg'?]bX'k Uf'XUZØf'j YfUbhk cfh`]W\ž'gY]bY ?]ghY'a]h'Y]bYa '≯ hYgUW_'Ui gni _`Y]XYb'i bX'a]h'9fXY'ni 'VYZØ``Yb" 5bgW\`]Y» YbX'Xi fZhYb'X]Y'?]ghYb'bUW\'6Y`]YVYb'VYa U`h'k YfXYb" 8]YgYf'_fYUh]j Y'DfcnYgg'ZÒfXYfh'b]W\h'bi f'X]Y'9][Ybj YfUbhk cfhi b[XYf'?]bXYfž'gcbXYfb'Ui W\'XYfYb'_fYUh]j Yq'8Yb_Yb"

BUWX\U`h][_Y]h']a ; UfhYbVUi

5b'U'A U]Yf'\UhhY'a Y\fYfY'K cW\Yb']a 'JcfZY`X'XUZØf'[Ygcf[hž XUgg'X]Y'DZUbnYb'j cb'fchYf'6YYhYž'@Ui W\ž'GU`Uh'i bX'?c\`fUV]'ZØf X]Y'?]bXYf'VYfY]hghUbXYb'''9]b'VYgcbXYfg'`Y\ffY]W\Yf'HY]`'k Uf'X]Y 6YfØW_g]W\h][i b['XYg'5VghUbXYg'nk]gW\Yb'XYb'DZUbnYbž'XU'n"6"?c\`fUV]'i bX'@Ui W\'Y]bY'VYgcbXYfY'6Yn]Y\i b[']b'XYf BUW\VUfgW\UZhg_i `hi f'\UVYb'''5i W\'X]Y'A i `W\gW\]W\h'Ui g FUgYbgW\b]hhž'X]Y'XYb'_`Y]bYb'; ÀfhYb'\]bni [YZØ[h'k i fXYž'nY][hž XUgg'bUW\\U`h][Y'@UbXk]fhgW\UZh'i bX'XUg'GW\cbYb'XYg'6cXYbg nYbhfU`Y'5gdY_hY'XYf'Gc`Uk]'g]bX"

8 Ug 5 W_Yfd]W_b]W_'U`g'_fÒbYbXYf'5 VgW\`i gg

 $BUWX`XYb`_OfdYf`]WXYb`5bghfYb[ib[Yb`ZfYihYb`g]WX`X]Y`?]bXYfUiZY]b`\Yfn\UZhYg`5W_Yfd]W_b]W_ž`VY]`XYa `g]Y`Uig`6U[iYhhYžZf]gWXYb`?fÀihYfb`ibX`XYa `gY`Vgh`[YgUaaY`hYb`; Ya ØgY`Y]bY?`Y]b][_Y]h`nigUaaYbghY``Yb`_cbbhYb''`Ni`XYb`@YW_YfY]Yb[Y\OfhY`UiWX`XYf`YfghY`<cb][`XYf`Gc`Uk]ž`k Ug`XYb`?]bXYfb`X]YJ]Y`ZU`h`XYg`9fhfU[Yg`bÀ\YfVfUWXhY''$

JcfZfYi XY Ui Z X]Y Y][YbY 9fbhY

: $\emptyset f']bhYfYgg]YfhY'@YgYf'[]Vh'Yg'kY]hYfY'6]`XYf'ibX'9]bXf<math>\emptyset W_Y'$ jcb

8]Y`\]Yf'j YfÒZZYbh`]W\hYb`5fh]_Y``ghUa a Yb'j cb'j YfgW\]YXYbYb

\$\frac{1}{2}\]h]Uh]j Ybž'GW\i `Yb'i bX'J YfY]bYbž'X]Y`g]W\'\U_h]j 'Z\IDFX]Y

; Ya Y]bgW\UZh'Y]bgYhnYb'i bX'XYfYb'HAh][_Y]hYb'j cb'i bgYfYf

FYXU_h]cb'[Ydf\IDFX]h'k i fXYb\"8Yf'J Yf'U['\IDFX]Yfb]a a h'\YXcW\'_Y]bY

; Yk A\f'Z\IDFX]Y`F]W\h][_Y]h'U``Yf'5b[UVYb\"

8 YhU]`g

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