

; Ygi bXYg!<Yfn!; YgYhn. ?f]h]_'Ub DfÀj Ybh]cbga]hhY`!I a `Yb_i b[']b '6Yf`]b

9fZU\fYb'G]Y']b'i bgYfYa '5fh]_Y'ž'k Ufi a 'XUg
/ ei ch/; Ygi bXYg! < Yfn!; YgYhn/ ei ch/'f! <; Ł']b'XYf'U_hi Y``Yb
: Uggi b['X]Y':]bUbn`U[Y'XYf'[YgYhn`]W\Yb
?fUb_Ybj Yfg]W\Yfi b['[YZÀ\fXYb'_ObbhY"'8]Y'5C?!_f]h]g]Yfh
X]Y'[Yd`UbhY'Nk YW_YbhZfYa Xi b['j cb'DfÀj Ybh]cbga]hhY`b
i bX'k Ufbh'j cf'\c\Yb'A Y\f_cghYb"'8cW\'k]Y'g]bbj c```g]bX
X]Y'j cf[YgY\YbYb'A U» bU\a Yb'k]f_`]W\3'@YgYb'G]Y'a Y\f
ØVYf'X]Y'dchYbn]Y``Yb'5i gk]f_i b[Yb'Ui Z'X]Y'<Yfn[Ygi bX\Y]h
i bX'DfÀj Ybh]cbgUb[YVchY']b'8Yi hgW\`UbX"



; Ygi bX\Y]hgdc`]h]_'i bhYf'8fi W_.'8]Y': c`[Yb XYg'; Ygi bXYg!<Yfn!; YgYhnYg'ZØf'X]Y ; YgY``gWXUZh

 \pm 0.6Yf`]b'\Uh'g]W\X]Y'8]g_i gg]cb'i a 'XUg'; Ygi bXYg!<Yfn!; YgYhn

fl <; Łk Y]hYfini [Ygd]hnh" J cf XYf [Yd `UbhYb 'J YfUVgW]YXi b[`\Uh XYf 5C?!6i bXYgj YfVUbX 'YfbYi h gY]bY '6YXYb_Yb ``Ui h [YÀi » Yfhž]bgVYgcbXYfY '\]bg]W\h`]W\ XYf dchYbn]Y ``Yb 'Nk YW_YbhZfYa Xi b[j cb 'A]hhY`b 'ni f'; Ygi bX\Y]hgdfÀj Ybh]cb"

 $8f'''7Ufc`U`FY]a Ubbž`X]Y`J cfghUbXgj cfg]hnYbXY`XYg`J YfVUbXgž k Y]gh`Ui Z`X]Y`6Ygcf[b]g`ØVYf`X]Y`Z]bUbn]Y``Yb`5i gk]f_i b[Yb`\]bž X]Y`Y]bY`I a gYhni b[`XYg`; <; `Ui Z`X]Y`[YgYhn`]W\Y ?fUb_Ybj Yfg]W\Yfi b[`\UVYb`_ObbhY''`=\ f'<Ui dhUb`]Y[Yb`]gh`X]Y E i U`]hAhj cb`DfAj Ybh]cbgUb[YVchYbž`X]Y`Xi fW\`bYi Y`J cf\UVYb [YZ\\fXYh`k YfXYb`_ObbhY''`$

8]Y'5C?'_f]h]g]Yfhž'XUgg'XUg'; <; 'b]W\h'X]Y'j YfgdfcW\YbYb
JYfVYggYfi b[Yb']b'XYf'<Yfn[Ygi bX\Y]h'Vf]b[h"GhUhhXYggYb
VYZØfW\hYb': UW\'Yi hYž'XUgg'X]Y'D'\AbY'X]Y'[Y[Ybk \Afh][Yb
A U» bU\a Yb'ni f'df\AX]_h]j Yb'; Ygi bX\Y]hgZØfgcf[Y'i bhYfa]b]YfYb
i bX'gca]h'X]Y'JYfgcf[i b['XYf'6Yj O'_Yfi b['gW\AX][Yb'_ObbhYb"

9]b 'nYbhfu`Yg'H\Ya U']ghž'XUgg'XYf'; YgYhnYgYbhk i fZ'A U» bU\a Yb j cfg]Y\hž'X]Y'c\bY'Ui gfY]W\YbXY'k]ggYbgW\UZh`]W\Y'; fi bX`U[Yb YfgW\Y]bYbž'k]Y'Yhk U'XUg'ZÀW\YbXYW_YbXY'GWfYYb]b['j cb ?]bXYfb'ni f': fØ\Yf_Ybbi b['j cb': YhhghcZZk YW\gY`ghÒfi b[Yb"'9]bY`Ui ZYbXY'Ghi X]Y'XYg'\deltagh]hi hg'ZØf'E i U`]hÀh'i bX'K]fhgW\UZh`]W_Y]h]a '; Ygi bX\Y]hgk YgYb'VYZUbXž'XUgg'XYf'Bi hnYb'Y]bYg'gc`W\ i a ZUggYbXYb'GWfYYb]b[g'b]W\h'bUW\kY]gVUf']gh"

8]Y'FØW_a Y`Xi b[Yb'XYf'5C?'g]bX'5`Ufa nY]W\Yb'ZØf'X]Y'Dc`]h]_ž X]Y'XUfUi Z'\]bk Y]gYbž'XUgg'8 Yi hgW\`UbX'VYggYf'[YfØghYh'gY]b gc``hYž']bgVYgcbXYfY']a ']bhYfbUh]cbU`Yb'J Yf[`Y]W\"'K À\fYbX UbXYfY'@ÀbXYf'dfcU_h]j Y'GhfUhY[]Yb'ni f'FYXi n]Yfi b['j cb'HUVU_!ž5`_c\c`!'i bX'Ni W_YfUi ZbU\a Y']a d`Ya Ybh]YfYbž'\Uh'8 Yi hgW\`UbX bcW\'BUW\\c`VYXUfZ'

9]b'_`Y]bYf'@]W\hV`]W_`]b`XYf``Ui ZYbXYb`8YVUhhY`]gh`X]Y
9bhgW\Y]Xi b[ž'XYb'; Ya Y]bgUa Yb`6i bXYgUi ggW\i gg`gh\Af_Yf`]b
XYb`DfcnYgg`Y]bni VYn]Y\Ybži a `X]Y`JYfgW\fY]Vi b['j cb
A YX]_Ua YbhYb`[Yn]Y`hYf`ni `[YghU`hYb"`8]Yg`_\ObbhY`X]Y`E i U`]h\Ah
XYf`a YX]n]b]gW\Yb`JYfgcf[i b['j YfVYggYfbž'U``YfX]b[g`V`Y]Vh`X]Y

Gcf[YžXUgg'X]Y'l a k]Xa i b['j cb'A]``]cbYb'Ub

DfÀj Ybh]cbg[Y`XYfb']b'ZfU[k ØfX][Y'A U»bU\a Yb'XYb'Ni [Ub['ni k]W\h][Yb'; Ygi bX\Y]hg_i fgYb'Y]bgW\fÀb_Yb'_ObbhY"'

9]bini gàhn`]W\Yg`F]g]_cžXUgʻa]h'XYa ; <; j YfVi bXYb`]ghžg]bX`X]Y Ò_cbca]gW\Yb`5i gk]f_i b[Yb`Ui Z'X]Y`[YgYhn`]W\Y ?fUb_Ybj Yfg]W\Yfi b["GW\àhni b[Yb`nY][YbžXUgg`X]Y`5i gk Y]hi b[XYf`8]gYUgY!A UbU[Ya Ybh!Dfc[fUa a Y`ZØf`F]g]_cdUh]YbhYb`ni A Y\f_cghYb`]b`A]``]UfXYb\Ò\Y`ZØ\fYb`_ÒbbhY"'9I dYfhYb`k UfbYbž XUgg`X]YgY`J YfàbXYfi b[Yb`b]W\h'bi f`X]Y`:]bUbn]Yfi b[`XYf; Ygi bX\Y]hgj Yfgcf[i b[`VY`UghYbž'gcbXYfb'Ui W\X]Y`c\bY\]b ØVYf`UghYhYb`< Ui gUfnhdfUl Yb`VY`UghYb`k ØfXYb"

8]Y'9bhk]W_i b[Yb'fi bX'i a 'XUg'; <; 'j YfXYi h']W\Yb'X]Y
Xf]b[YbXY'Bchk YbX][_Y]h'Y]bYf'_`UfYb'i bX'Yj]XYbnVUg]YfhYb
; Ygi bX\Y]hgghfUhY[]Y"'8]Y'I b[YfY]a h\Y]hYb']b'XYf
6i bXYg\Ui dhghUXh'YfZcfXYfb'Y]bYb'cZZYbYb'8]U`c['ØVYf'X]Y
YZZY_h]j ghYb'A U» bU\a Yb'ni f'J YfVYggYfi b['XYf'ÒZZYbh`]W\Yb
; Ygi bX\Y]h'i bX'ni f'; Yk À\f`Y]ghi b['Y]bYf'bUW\\U`h][Yb
:]bUbn]Yfi b['XYg'; Ygi bX\Y]hggmghYa g"

•

8 Y hU]`g

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