

6Yf`]b i b X '6fUb X Y b V i f[. '; Ya Y]b g Ua 'Ui Z X Ya 'K Y ['ni f 'Y Z Z]n] Y b h Y f Y b 'D `Ub i b [

6Yf`]b`i bX`6fUbXYbVi f['j YfY]bZUWXYb`D`Ubi b[gj YfZU\fYb ZØf`gWXbY``YfY`9bhgWXY]Xi b[Yb`]b`XYf`[Ya Y]bgUa Yb @UbXYgd`Ubi b["

Cdh]a]Yfi b['XYf'D`Ubi b[gdfcnYggY. '9]b GWXf]hh']b 'X]Y 'X][]hU`Y 'Ni _i bZh

6Yf`]b'i bX'6fUbXYbVi f['\UVYb'_Øfn`]WX'Y]bYb'VYXYi hYbXYb GWXf]hh'i bhYfbca a Ybži a ']\fY'`ÀbXYfØVYf[fY]ZYbXYb'D`Ubi b[g! i bX'J Yfk U`hi b[gj YfZU\fYb'ni 'VYgWX`Yi b][Yb"'8]YgY' +b]h]Uh]j Y']gh XUg'9f[YVb]g'Y]bYg'[Ya Y]bgUa Yb'6Ya Ø\Ybg'XYf GYbUhgj Yfk U`hi b['ZØf'GhUXhYbhk]W_`i b[']b'6Yf`]b'i bX'XYg A]b]ghYf]i a g'ZØf' +bZfUghfi _hi f']b'DchgXUa ž'k Y`WXYg'Ua 8cbbYfghU['VY_Ubbh'[Y[YVYb'k i fXY'"

8 Yf' <]bhYf[fibX'XYf'bYiYb'FY[Y`ib[Yb

8]YFYYJUbnZØfX]YFY[]cb

8]Y'ŸbXYfi b[Yb'k i fXYb'j cb'GhUXhYbhk]W_`i b[ggYbUhcf'7\f]gh]Ub; UYV`Yf'fGD8Ł'U`g'Xf]b[`]WX'VYgWXf]YVYb"'9f'VYhcbhYž'XUgg'XYf k UWXgYbXY']bhYfbUh]cbU`Y'K YhhVYk YfV'gck]Y'X]Y < YfUi gZcfXYfi b[Yb'XYf'9bYf[]Yk YbXY'i bX'XYf'XYa c[fUZ]gWXY K UbXY`bYi Y'5bgdfØWXY'Ub'X]Y'@UbXYgd`Ubi b['ghY``Yb" & gVYgcbXYfY'X]Y'A Yhfcdc`fY[]cb'6Yf`]b!6fUbXYbVi f['ghY\h'j cf XYf'Bchk YbX][_Y]hž'a cXYfbYfY'i bX'YZZ]n]YbhYfY D`Ubi b[gj YfZU\fYb'Y]bni ZØ\fYbž'i a 'b]WXh'XYb'5bgWX`i gg'ni j Yf`]YfYb"

; Ya Y]bgUa YgʻN]Y`. K]fhgW\UZh`]W\Y 9bhk]W_`i b['ZÒfXYfb

FU]bYf; Yb]`_YžXYf'A]b]ghYf'ZØf' \(\pi\)ZfUghfi _hi f']b'6fUbXYbVi f[
ff781 \(\pi\)Zi bhYfghf]W\(\pi\)XUgg'X]Y'Bcj Y``]Yfi b['XYg'D`Ubi b[gfYW\)hg
Ui W\(\text{XUfUi Z'UVn}Y\)hž'X]Y'k]fhgW\(\text{UZh})\(\text{W}\)Y'9bhk]\(\text{W}\)`i b['XYf
A Yhfcdc\(\fY\)[]cb'ni 'Z\(\text{O}\)fXYfb"'8]YgY'dcg]h]j Yb'J Yf\(\pa\)bXYfi b[Yb'g]bX
]bgVYgcbXYfY'Z\(\text{O}\)f'I bhYfbY\\ a Yf'i bX'\(\ph\)j YghcfYb'j cb'[fc\)Yf
6YXYi hi b[\(\fz\)XU'g]Y'Y]bY'gW\(\text{b}\)Y`YfY'I a gYhni b['j cb'Dfc'Y_hYb'i bX'\(\frac{1}{2}\)Y'j YfVYggYfhY'5hhfU_h]j]h\(\pa\)h'XYf'FY[]cb'g][bU\]g]YfYb"

5 i gV`]W_. '8][]hU`]g]Yfi b['U`g'GW\`ØggY`'ni f 9ZZ]n]Ybn

8]Y ZcfhgWX fY]hYbXY 8][]hU`]g]Yfi b['k]fX 'U`g 'GWX `ØggY` ZØf 'X]Y _ca a YbXYb '9bhk]W_`i b[Yb '[YgY\Yb" 8i fWX 'X]Y 'Y`Y_hfcb]gWX Y 8i fWX ZØ\fi b['j cb 'J YfZU\fYb 'k]fX 'b]WX h'bi f 'X]Y 'NY]hgdUbbY 'V]g ni f'; YbY\a][i b['j Yf_Øfnhž 'gcbXYfb 'Ui WX 'X]Y 'HfUbgdUfYbn 'i bX BUWX j c``n]Y\VUf_Y]h 'ZØf 'X]Y '6Øf[Yf 'Yf\Ò\h" 8]Y 'bYi Yb FY[Y`i b[Yb 'k YfXYb 'j cfUi gg]WX h`]WX '`Ub[Zf]gh]['ni f 'GhUV]`]g]Yfi b[i bX 'ni a 'K UWX ghi a 'XYf 'FY[]cb 'VY]hfU[Yb"

Ni gUa a YbZUggYbX``Àggh'g]W\`gU[Ybž'XUgg`Xi fW\`X]YgY`FYZcfa YbbcW\`]b`X]YgYa '\J\f'Y]b`HfYbX`\]b`ni 'a cXYfb]g]YfhYb`D`Ubi b[g!ibX`JYfk U`hi b[gjYfZU\fYb`]b`6Yf`]b'i bX`6fUbXYbVi f['Yf_YbbVUf

]gh"·8]Y·Cdh]a]Yfi b['X]YgYf`DfcnYggY`ghY``h`g]W\Yfž`XUgg`X]Y A Yhfcdc`fY[]cb'Ui W\']b'Ni _i bZh'Y]bY'VYXYi hYbXY'Fc``Y']a]bhYfbUh]cbU`Yb'K YhhVYk YfV'Y]bb]a a h"

B5;

8 Y hU]`c

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