

A Yfn'dfÀgYbh]Yfh'[Y\Y]a Yb'A]b]ghYfd`Ub. K Yf'k]fX'gY]b'?UV]bYhh3

: f]YXf]WX `A Yfn `dfÀgYbh]Yfh `Ua `A cbhU[`]b `6Yf`]b `gY]bY
A]b]ghYf`]ghY `ZØf`X]Y `bYi Y `78I![YZØ\fhY `? cU`]h]cb" `9fZU\fYb
G]Y `a Y\f`ØVYf`X]Y `a Ò[`]WXYb `?UV]bYhhqa]h[`]YXYf"



6Yf`]bž8Yi hgWX`UbX`!5a `A cbhU[žXYa `&*"5df]``&\$&) žZ]bXYh
]b`6Yf`]b`Y]b`k]WXh][Yf'_`Y]bYf`DUfhY]hU[`XYf`78I `ghUhhž`Ui ZXYa
: f]YXf]WX`A Yfn`d`Ubhž`gY]bY`A]b]ghYf_UbX]XUhYb`ni `dfÀgYbh]YfYb"
8]YgY`5b_ØbX][i b[`Vf]b[h`[fc»Y'9fk Ufhi b[Yb`gck c\``]b`XYf
2 ZZYbh`]WX_Y]h`U`g`Ui WX`i bhYf`XYb`A]h[`]YXYfb`XYf`DUfhY]`a]h`g]WX"
8Yf`8fi W_Ui Z'A Yfn`]gh`gdØfVUfž`XYbb`X]Y
DYfgcbU`YbhgWXY]Xi b[Yb`k YfXYb`U`g`nYbhfU``ZØf`X]Y`ni _ØbZh][Y
Ni gUa a YbUfVY]h`]b`XYf`Ub[Y_ØbX][hYb`gWk Ufn!fchYb`?cU`]h]cb
VYhfUWXhYh"`Bi f`Y]b`Yb[Yf`?fY]g`]bbYf\U`V`XYg`?cbfUX!5XYbUi Yf!
<Ui gYg`]gh`]b`X]Y``Ui ZYbXYb`; YgdfÀWXY`i bX`, VYf`Y[i b[Yb
Y]b[Yk Y]\hž`k Ug`X]Y`G]hi Uh]cb`ni gÀm`]WX`i bhYf`GdUbbi b[`\À`h"
; YbYfU`gY_fYhÀf`7UfghYb`@]bbYa Ubb`VYhcbhY`VYfY]hgž`XUgg`A Yfn
Ua `A cbhU[`X]Y`A]b]ghYf]bbYb`i bX`A]b]ghYf`j cfghY``Yb`k]fX"

I fgdfØb[`]W\`k Uf'j cf[YgY\Ybž'XUgg'X]Y`A]b]ghYf'Yfgh'fi bX'i a 'X]Y?Ubn`Yfk U\``Ua '*"AU]'VY_Ubbh[Y[YVYb'k YfXYb'gc``hYb"'8]YgghY``h'Y]bYb'Yf\YV`]W\Yb'AYX]YbZc_i g'Ui Z'X]Y'VYj cfghY\YbXYb5b_ØbX][i b[Yb'XUfž'k]Y'X]Y'GW\k ÀV]gW\Y'NY]hi b['VYf]W\hYh"

a FU\a Yb XYf?cU`]h]cbgj Yf\UbX`i b[Yb nk]gW\Yb 781 ž7GI i bX'GD8']gh'X]Y'JYfhY]`i b['XYf'A]b]ghYfdcghYb'Y]b'nYbhfU`Yg H\Ya U"'8]Y'I b]cb'k]fX']b'XYf'bYi Yb'FY[]Yfi b[gghfi_hi f jcfUigg]WXh`]WX`g]YVYb`A]b]ghYf]Yb`ZYXYfZØ\fYbX`VYhfYiYbž $k \land fYbX X]Y GD8 gYW g i bX X]Y 7GI XfY]A]b]ghYf]Yb UbghfYVh" 9g$ $[]VhVYfY]hgY]bY``YVVUZhY`8]g_igg]cb`ØVYfX]Y`VYghYb`?UbX]XUhYb$ ZØfX]Y`VYXYi hYbXghYb`Ÿa hYf"`≈\UbbK UXYd\i``k]fX`\Ài Z][`U`g Ui gg]Wk hgfY]Wk Yf'? Ub X]XUh'ZØf'XUg'5a h'XYg'5i » Yba]b]ghYfg [YbUbbh''KY]hYfY'dchYbn]Y``Y'6YkYfVYf'ZØf'X]YgYb'DcghYb'g]bX8Uj]X^A W5``]ghYf'i bX^5fa]b^@UgW\Yhz'k cVY]``YhnhYfYf'U`g 5i » YbgY]hYf'[]`h"'5i WX']a 'K]fhgWXUZhga]b]ghYf]i a ž'XUg'j cb FcVYfh'<UVYW_fl fØbYŁ'j YfUbhk cfhYh'k i fXYž'g]bX'a Y\fYfY ?UbX]XUhYb^]b^XYf^8]q_i qq]cb.^Gc^qhY\Yb^5bXfYUq^3b[z~;]hhU 7cbbYa Ubbž'HUb'U'; ObbYfž'A WW UY`'? fYhqWXa Yf'i bX'FY]bYf < UgY`c \mathbb{Z} 'ni f'8YVUhhY"'>Ybg'GdU\b'_ObbhY'X]Y'Fc``Y'XY<math>g Jcfg]hnYbXYb~XYf~781#7GI!6ibXYghU[gZfU_h]cb~ØVYfbY\aYb"~8]Y 8 Y hU] 'g'ni f'DcghYbj YfhY] 'i b['g]bX'bcW 'i b_ 'Ufž'UVYf'X]Y $9]bgWAhnib[Yb']YfXYih]WXYb'X]Y'\c\Yb'9]bgAhnY'ZØf'X]Y$ $VYi cfghY \YbXYb \9bhgWXY]Xi b[Yb \ibX \X]Y \J Yf \UbX \ib[Yb$ nk]gWX Yb 'XYb 'DUfhY]Yb" 'Gd]Y [Y` 'Yf [Àbnhž 'XUgg 'Ui WX ']bbYf \ U`V XYf.781 = hYfbU. ØVYf.X]Y. Ub[YghfYVhY. Dcg]h]cbYb. Ui g[YhfU[Yb k YfXYb"

A]b]ghYfdcghYb i bX dchYbn]Y``Y ? UbX]XUhYb

8]Y'a Ò[`]WXY'JYfhY]`i b[`XYf'A]b]ghYf]Yb'k]fX'j cb'j]Y`Yb': U_hcfYb VYY]bZi gghž'j cf'U``Ya 'j cb'XYf']bbYfdUfhY]`]WXYb JYf\UbX`i b[gXmbUa]_'i bX'XYa 'Dfcdcfn'nk]gWXYb'XYb @UbXYgj YfVAbXYb"'Gc'_ObbhY'X]Y'78I 'X]Y'A]b]ghYf]Yb'ZØf K]fhgWXUZhž'5i »Yb'i bX'+bbYfYg'ØVYfbY\a Ybž'k À\fYbX'X]Y'GD8'Ub XYb'FYggcfhg':]bUbnYbž'JYfhY]X][i b['gck]Y'5fVY]h'i bX'Gcn]U`Yg]bhYfYgg]Yfh']gh"'8YfnY]h'g]bX'Y]b][Y'A]b]ghYfdcg]h]cbYb'\Y]» i a_Aa dZh"'8]Y'GD8'\Uh'@Ufg'?`]b[VY]`'U`g'a Ò[`]WXYb :]bUbna]b]ghYf'ZUj cf]g]Yfhžk À\fYbX'6cf]g'D]ghcf]i g'VYfY]hg'U`g J YfhY]X][i b[ga]b]ghYf'ZYgh'ni '[Y`hYb'gWXY]bh"

5i W. X]Y '7GI `\Uh'Ua V]h]ÒgY 'D`ÀbY" '5 YI UbXYf '8 cVf]bXh'k]fX 'U'g a Ò[`]WXYf *bYba]b]ghYf [Y\UbXY`hžk À\fYbX 'A]WX UY`U'? Ub]VYf XUg *@UbXk]fhgWX UZhga]b]ghYf]i a ']a '6`]W_ \Uh'' 8 cfch\YY '6Àf _ObbhY 'Y]bY 'F c``Y ']a ': cfgWXi b[g! cXYf 8][]hU`]g]Yfi b[ga]b]ghYf]i a 'ØVYfbY\a Yb" 8 Yf JYfhY]`i b[ggd]Y`fUi a ']gh'Ui WX '\]bg]WX h`]WX 'XYf 'UbghY\YbXYb ?cU']h]cbgj Yf\UbX`i b[Yb'k Y]hYf\]b'c ZZYbž'k]Y 'HU[YggWX Ui \Yfj cf\YVh" '<]YfVY] 'gd]Y`h'Ui WX 'X]Y : fU[Y'bUWX 'XYb': fUi Yb']a ?UV]bYhhY]bY'k]WX h][Y'F c``Yž'XU'gck c\``X]Y'I b]cb'U`g'Ui WX 'X]Y GD8 '? UbX]XUh]bbYb'k]Y'¬¬¬`ÒW_bYfž'? Uf]b'Df]Yb'i bX'6ÀfVY`6Ug]bg'Gd]Y``Vf]b[Ybži a 'Ui g'XYa 'dc`]h]gWXYb'; `Y]WX [Yk]WX h'ni dfcZ]h]YfYb'i bX'X]Y'FYdfÀgYbhUh]cb'ni 'ZÒfXYfb''

±g[YgUa h'V`Y]Vh'UVni k UfhYbž'k Y`WXYg'A]b]ghYf_UV]bYhh'A Yfn'Ua A cbhU['dfÀgYbh]YfYb'k]fXž'i bX'k]Y'g]WX'X]Y'8 mbUa]_']b'XYb Zc`[YbXYb'K cWXYb'Ybhk]W_Y`b'k]fX"'8]Y'GD8'a i gg'V]g'ni a ''\$"5df]`']\fY'A]h[`]YXYfYbhgWXY]Xi b['UVk UfhYbž'VYj cf'X]Y'Z]bU`Yb Bca]b]Yfi b[Yb'ZYgh[Y`Y[h'i bX'j Yf_ØbXYh'k YfXYb'_ÒbbYb"

8 Y hU]`g	
J c f ZU``	; YgYm[YVib[
Cfh	6Yf`]bž'8Yi hgWX`UbX
EiY``Yb	• k k k "gW\k UYV]gW\Y"XY
	k k k "gd]Y[Y`"XY
	• k k k "hU[YggW\Ui "XY

6 Ygi W Yb G Y i bg Ui Z b! U["X Y