

: fcbhU`ni gUa a Ybghc» 'Ui Z'6%' . 'GYb]cf j Yf`Yhnhž'%\$"\$\$\$ '9i fc 'GWX UXYb

: fcbhU`ni gUa a Ybghc» 'VY]'9]W\gh\hh.'9]b'*(!\A\f][Yf'`Y]W\hjYf`Yhnhž'%\$"\$\$\$'9i fc'GW\UXYb'i bX'6%''_i fnnY]h]['[YgdYffh"



9]W ghà hhž 8 Yi hg W `Ub X '! '9]b 'g W k Y f Y f ': f c b h U `ni g Ua a Y b g h c » Y f Y][b Y h Y 'g] W `Ua 'A c b h U [b U W a] h h U ['Ui Z' X Y f '6 %' 'V Y] '9] W ghà h h ž X Y f 'Z Ø f Y] b Y b '* (! 'À \ f][Y b 'A Ub b 'Ui g 'X Y a '@ Ub X _ f Y] g '9] W ghà h h ž X Y f X Ug 'Ub X Y f Y : U\ f n Y i ['f Ua a h Y ž 'ni a 'j Y f \ À b [b] g j c ``Y b 'A ca Y b h k i f X Y " '8 Y f '5 i Z Z U \ f i b Z U ``ž X Y f 'g] W '[Y [Y b '%) 'I \ f Y f Y] [b Y h Y ž V f U W h Y 'b] W h 'b i f 'Y] b 'V Y Y] b X f i W Y b X Y g 'G W U X Y b g U i g a U » 'j c b f i b X '%\$ "\$\$\$ '9 i f c 'a] h 'g] W ž 'g c b X Y f b 'U i W 'Y] b Y 'F Y] \ Y 'j c b : f U [Y b n i f 'I b Z U `` i f g U W Y 'g Y ` V g h "

8 Ug:: U\fnYi ['XYg'* (!À\f][Yb'dfU``hY'ZfcbhU``]b'XUg'5i hc'Y]bYf +&!'À\f][Yb'5i hcZU\fYf]b'Ui g'XYa '@UbX_fY]g'K Y]» YbVi f[! ; i bnYb\Ui gYb"'9fghUi b`]W\Yfk Y]gY'V`]YV'X]Y'À`hYfY'8 Ua Y i bj Yf`Yhnhž'k À\fYbX'XYf'A Ubb''YXcW\'`Y]W\hY'JYf`Yhni b[Yb XUj cbhfi ["'@Ui h'Dc`]nY]Ub[UVYb'k i fXY'XYa ': U\fYf'j cf'XYa
Ni gUa a Ybghc» 'gWk Ufn'j cf'5i [Ybž'k Ug'ni f'i b_`UfYb
I bZU``i fgUW\Y'ZØ\fh"'; `ØW_`]W\Yfk Y]gY'k Uf'_Y]bY'k Y]hYf[Y\YbXY
a YX]n]b]gW\Y'6Y\UbX`i b['YfZcfXYf`]W\ž'i bX'Yf'_cbbhY'X]Y
I bZU``ghY``Y'VU`X'k]YXYf'j Yf`UggYb"

JYf_Y\fg`Yb_i b['i bX'9]bgUhn'XYf : Yi Yfk Y\f

 $8]Y'6\%' a i gghY']bZc`[Y'XYg'] b[``ØW_g'ZØf'Yhk U'Y]bY'\U``VY'Ghi bXY [YgdYffh'k YfXYb''K]Y'gc'cZh']b'gc`W\Yb'G]hi Uh]cbYb'ØVYfbU\a 'X]Y : fY]k]``][Y': Yi Yfk Y\f'9]W\gh\hh'X]Y'5VgdYffa U\simed bU\a Yb'i bX'X]Y <math display="block">JYf_Y \setminus fg`Yb_i b[\check{z}i a 'XYb'Z]Y \circ YbXYb'JYf_Y \setminus f'gc'gW\bY``k]Y a O[`]W\'k]YXYf\Yfni ghY``Yb''8Ub_']\fYg'9]bgUhnYg'j Yf`]YZ'X]Y @U[Y'c\bY'k Y]hYfY'?ca d`]_Uh]cbYb''$

I bZÀ``Y`k]Y`X]YgYf`k YfZYb`Y]bYb`6`]W_`Ui Z`X]Y`U_hi Y``Y

J Yf_Y\fgg]W\Yf\Y]hg`U[Y`]b`8Yi hgW\`UbX"`GhUh]gh]_Ybž`X]Y`j cb`

8 YghUh]g`ni f`J YfZØ[i b[`[YghY``h`k YfXYbž`\Y`ZYb`XUVY]ž

ni j Yf`Àgg][Y`i bX`i a ZUggYbXY`8 UhYb`ni `YfZUggYb"`Gc`W\Y`8 UhYb

g]bX`k]W\h][ži a `Ghfi _hi fYb`XYg`I bZU``[YgW\Y\Ybg`ni 'j YfghY\Yb

i bX`k Y]hYfY`I bZÀ``Y`ni 'j Yfa Y]XYb"`8]Y`I bhYfgi W\i b['j cb

I bZU``i fgUW\Ybž`XYb`VYhY]`][hYb`: U\fnYi [Yb`gck]Y`XYf

J Yfi b[`ØW_hYb`]gh`YbhgW\Y]XYbX`ZØf`X]Y`ni _ØbZh][Y

J Yf_Y\fgdc`]h]_`i bX`X]Y`G]W\Yf\Y]h`Ui Z`XYb`GhfU»Yb"

$9]b 6^{Y} V_1b X]Y J Yf_Y fgg]W YfY]h$

5i ZYi fcdÀ]gWXYf'9VYbY'nY][h'9i fcghUhž'XUgg'JYf_Y\fgg]WXYf\Y]h
Y]b 'nYbhfU`Yg'H\Ya U']ghž'XUg'ghYh]['VYcVUWXhYh'i bX'UbU`mg]Yfh
k YfXYb'a i gg"'8]Y'[YgUa a Y`hYb'8 UhYb'V]YhYb'b]WXh'bi f'9]bV`]W_Y
]b 'X]Y'U_hi Y``Y'@U[Yž'gcbXYfb'g]bX'Ui WX'a U» [YV`]WX'ZØf'X]Y
; YgYhn[YVi b[ž'X]Y'JYf_Y\fgYfn]Y\i b['i bX'X]Y'9bhk]W_`i b[']b
XYf': U\fnYi [hYWXb]_"'8 Ua]h'k]fX'X]Y'; fi bX`U[Y'ZØf'Y]bY
k]f_gUa Y'JYf_Y\fgdc`]h]_'[YgWXUZZYbž'X]Y'g]WX'i a 'X]Y

\(\partial ZfUghfi _hi f'i bX'X]Y'G]WXYf\Y]h'Ui Z'XYi hgWXYb'GhfU»Yb'_Øa a Yfh"

8]Y 'Øb[ghYb'JcfZÀ``Y'i bX'XYfYb'<]bhYf[fØbXY'nY][Ybž'XUgg']bXYb'a Y]ghYb': À``Yb'a YbgW\`]W\Yg'JYfgU[Ybž'k]Y'Ui W\'VY]'X]YgYaIbZU``ž'Y]bY'hfU[YbXY'Fc``Y'gd]Y`h"'9g'`]Y[h'U`gc'Ub'i bg'U``YbžUW\hgUa'ni 'gY]b'i bX'ni f'JYf_Y\fgg]W\Yf\Y]h'VY]ni hfU[Yb"'5i W\kYbb'XYf'\Yih][Y'IbZU```[`]a dZ]W\'Ui g[]b[ž'a U\bh'Yf'i bg'U``Yž]a'GhfU»YbjYf_Y\f'ghYhg'X]Y'bÒh][Y'Jcfg]W\h'k U`hYb'ni '`UggYb"

8 Y hU]`g	
Cfh	9]WX.ghÀhhž'8YihgWX`UbX
EiY``Yb	• k k k "Ui [gVi f[Yf!U``[Ya Y]bY"XY
	• k k k "XYghUh]g"XY
	• YWYi fcdU"Yi

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'bU[!VUmYfb "XY