

GD8 bca]b]Yfh'A]W\UY`'9fh`. '8Yf'K Y['ni f 6Øf[Yfa Y]ghYfk U\`'&\$&* °

A]W\UY``9fh``i bX`A Ufh]b`FY]gVYf[Yf`k i fXYb`U`g 6Øf[Yfa Y]ghYf_UbX]XUhYb`ZØf`<Ui g\Ua`bca]b]Yfh"`K]W\h][ZØf`X]Y`; Ya Y]bXYZ|bUbnYb°



< Ui g\Ua ž'8Yi hgW\`UbX'!'\=\'< Ui g\Ua 'ghY\Yb'X]Y
J cfVYfY]hi b[Yb'ZØf'X]Y'6Øf[Yfa Y]ghYfk U\``&\$&*'VYfY]hg'Ui Z'XYf
5[YbXU''i bX'X]Y'GdUbbi b['ghY][h''8]Y'Gcn]U`XYa c_fUh]gW\Y
DUfhY]'8Yi hgW\`UbXg'fGD8\E\Uh']\fYb'?UbX]XUhYb'bca]b]Yfh''
A]W\UY\`'9fh'z'Y]b'Yb[U[]YfhYg'A]h[`]YX'XYg'; Ya Y]bXYfUhg'gY]h
&\$\%\z'k]fX'U`g'<YfUi gZcfXYfYf']bg'FYbbYb'[Y\Yb'''\DY]bYf
Y]bgh]a a][Yb'9bhgW\Y]Xi b['XYg'Cfhgi cfghUbXg'i bX'XYf
; Ya Y]bXYfUhgZfU_h]cb'XYf'GD8'k i fXY''9fh`U`g
6Øf[Yfa Y]ghYf_UbX]XUh'VYgh\h][hz'k]Y'\A Yf_i f''XY''VYf]W\hYh'''8]Y
cZ]n]Y``Y'Bca]b]Yfi b['ghY][h'Ua'('''\Righta'\]']a '6Øf[YfgUU\`XYf
; Ya Y]bXY'''9fh`']gh'(('\Righta'\Symma'\

8]Y?cb_i ffYbnk ÀWkgh

FY]gVYf[Yf'\Uh'_`UfY'JcfghY``i b[Yb'XUjcbž'k]Y'Yf'X]Y @YVYbgeiU`]hÀh']b'<Ui g\Ua'ghY][Yfb'a ÒW\hY"'9f'g]Y\h'a Y\fYfY <YfUi gZcfXYfi b[Ybž'XUfi bhYf.

- G]WXYfghY``i b['XYf'?]bXYfVYhfYi i b['j cb'XYf'?f]ddY'V]g ni f'; fi bXgWXi `Y
- GWNUZZI b['j cb'VYnU\`VUfYa 'K c\bfUi a
- 9f\U`hi b['_ca a i bU`Yf'9]bf]W\hi b[Yb'i bX'5i gVUi 'XYf
 \(\frac{1}{2}\)Equiv \(\frac{1}{2}\)Equi \(\frac{1}{2}\)Equiv \(\frac{
- JYfVYggYfi b['XYg' < Ui g\U`hg'Xi fW\'Df]cf]g]Yfi b['j cb Dfc Υ _hYb
- 9]bV]bXi b['j cb' * [YbX`]WXYb'i bX' * b[Yb'9fk UWXgYbYb']b XUg'; Ya Y]bXY[YgWXY\Yb

8Yf'NY]hfU\a Yb

8]Y'bÀW\ghYb'GW\f]hhY']b'X]YgYa 'dc`]h]gW\Yb'K YhhfYbbYb'ghY\Yb
YVYbZU``g'gW\cb'ZYgh"'8]Y'?ca a i bU`k U\``]b'6UmYfb'Z]bXYh'Ua ', "
A Àfn'&\$&* 'ghUhhž'k]Y'?c`]hn\Y]a "XY'VYf]W\hYh"'6Y_Ubbh'[Y[YVYbkifXY'XYf'KU\`hU['VYfY]hg'Ua'&)"'*\`]'&\$&("'8]Y
5i ZghY``i b[gj YfgUa a `i b[Yb']b'XYf'; Ya Y]bXY'?c`]hn\Y]a 'g]bX'ZØf
X]Y'NY]h'nk]gW\Yb'A]hhY'C_hcVYf'i bX'5bZUb['8YnYa VYf'&\$&)
Ub[YgYhnh"'KYf'U`gc'Ub'`c_U`Yb'H\Ya Yb']bhYfYgg]Yfh']ghž'gc``hY

 $8]Y''6\emptyset \land bY']gh'VYfY]hYh'i bX'X]Y''5_hYi fY''g]bX'ZYgh[Y`Y[h'''Yhnh V`Y]Vh'UVni k UfhYbž'k]Y''X]Y''K À\`Yf]bbYb'i bX''K À\`Yf'YbhgWXY]XYb k YfXYb''''9]bYg'']gh'g]WXYf.''<math>\Rightarrow$ ''< Ui g\Ua 'k]fX'Y]b][Yg'[YVchYbž'i bX X]Y''Ni _i bZh'g]Y\h'gdUbbYbX''Ui g°

8 YhU]`g	
Cfh	<uig\uaž8yihgwx`ubx< th=""></uig\uaž8yihgwx`ubx<>
EiY``Yb	• k k k "a Yf_i f"XY
	∙kkk"Wgi"XY
	• k k k "_c`]hn\Y]a "XY

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