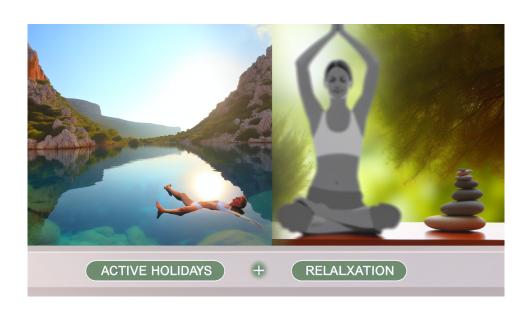


$DYfZY_hY'6U`UbWY.'5_h]jif`UiV'ibX$ $9f\c`ib['\Ufacb]gWX'jYfY]bh$

9bhXYW_Yb'G]Yž'k]Y'G]Y'5VYbhYi Yf'i bX'9f\c`i b['dYfZY_h _ca V]b]YfYb'_ÒbbYb"'H]ddg'ZØf'\Ufa cb]gW\Y'FY]gYb'j c``Yf ?i `hi f'i bX'9bhqdUbbi b["



#D X]YgYa '5fh]_Y``bY\a Yb`k]f`X]WX 'a]h'Ui Z'Y]bY ']bgd]f]YfYbXY
9bhXYW_i b[gfY]gY"'8i 'k]fgh``YfbYbž'k]Y '5VYbhYi Yf`i gh'i bX
9bhgdUbbi b['< UbX']b' < UbX'[Y\Yb'_ObbYb'i bX'k]Y'Xi</pre>

i bj Yf[Ygg`]WX Y '9f`YVb]ggY 'gUa a Y`b`_Ubbghž'c\bY`XYb 'GhfYgg`XYg 5``hU[g'a]h']b 'XYb'l f`Ui V 'ni 'bY\a Yb"'@Ugg`X]WX 'j cb'i bgYfYb H]ddg`VY[Y]ghYfbž'XUa]h'XY]b 'HfUi a i f`Ui V 'b]WX h'bi f'Y]b Ui ZfY[YbXYg'5VYbhYi Yfž'gcbXYfb'Ui WX 'Y]bY 'k c\`hi YbXY'5i gnY]h k]fX"'6YfY]hž'XY]bYb 'bÀWX ghYb 'Ghcdd'Ui Z'XYf'? UfhY 'XYf 9bhgdUbbi b['i bX'5VYbhYi Yf'ni 'Z]bXYb3'8Ubb'`Ugg'i bg [Ya Y]bqUa 'Y]bhUi WXYb°

5 V Y b h Y i Y f`i gh'h f] Z Z h'9 b h g d U b b i b [.'8] Y ? i b g h'X Y f'd Y f Z Y _ h Y b'l f`U i V g a] g W i b [

GhY``X]f'j cf. 8i 'Yfk UW\gh']b'Y]bYa 'W\Ufa UbhYb'_`Y]bYb'<chY`ž
i a [YVYb'j cb'gW\`Ab[Y`bXYb'6Yf[Yb'i bX'XYa '8i Zh'XYg'CnYUbg"
8Yf'HU['`AW\Y`h'X]f'Ybh[Y[Yb'i bX'Xi '\Ugh'X]Y'K U\`` 'U_h]j 'X]Y
BUhi f'ni 'Yf_i bXYb'cXYf'X]W\'Y]bZUW\'Ua 'GhfUbX'ni 'YbhgdUbbYb"
8]YgY'dYfZY_hY'A]gW\i b['Ui g'5VYbhYi Yf'i bX'9f\c`i b['gW\UZZh'Y]b
i bj Yf[Ygg`]W\Yg'I f`Ui VgYf`YVb]gž'XUg'? ÒfdYf'i bX'; Y]gh']b
9]b_`Ub['Vf]b[h"

9]bYb'XYf'VYghYb'CfhYžia 'X]YgY'6U`UbWY'ni 'Yf'YVYbž']gh'Ui Z'XYf VU`YUf]gWXYb'\bgY`'A U``cfWU"'<]Yf'_Ubbgh'Xi 'XYb'A cf[Yb'a]h Y]bYa 'Ui g[YXY\bhYb': fØ\ghØW_i bhYf'ZfY]Ya '<]a a Y``VY[]bbYbž [YZc`[h'j cb'Y]bYf': U\ffUXhci f'Xi fWX'X]Y'UhYa VYfUi VYbXY?ØghYb`UbXgWXUZh"Nk]gWXYb'C`]j Yb\U]bYb'i bX'ghY]`Yb'?`]ddYb Yfk UfhYb'X]WX'UhYa VYfUi VYbXY'5i gV`]W_Yž'X]Y'X]Y 5bghfYb[i b[Yb'XYg'HfYhYb'gWXbY``j Yf[YggYb''9]b][Y'XYf FUXk Y[Y'g]bX'k Yb]['ZfYei Ybh]Yfh'i bX'V]YhYb'i b[YghÒfhY6Y[Y[bi b[Yb'a]h'XYf'i bVYfØ\fhYb'BUhi f"'8UbUWX'`cW_h'XUg [`]hnYfbXY'A YYf' 'b]WXhg'k]Y'\]b'ni a 'GhfUbXž'i a 'X]Y'YfcVYfhYb?]`ca YhYf'VY]'Y]bYa 'YfZf]gWXYbXYb'6UX'ni 'VY`c\bYb"

CXYf'k]Y'kÀfY'Yg'a]h'Y]bYf'K UbXYfi b['Xi fW.'X]Y'a U'YghÀh]gW.Yb8c`ca]hYb']b'BcfX]hU`]Yb3'<]Yf'_Ubbgh'Xi 'Ua'ZfØ\Yb'Acf[Yb']bX]Y'U`d]bY'6Yf[kY`h'Y]bhUi W.Ybž'X]Y'Zf]gW.Yž'_`UfY'@iZh'Y]bUhaYbibX'X]Y'Gh]``Y'XYf'BUhif'[Yb]Y»Yb"'8]Y'KUbXYfkY[Y'g]bXj]Y`ZÀ`h][.'jcb'[YaØh`]W.Yb'DZUXYb'V]g'ni'Ubgdfi W.gjc``YfYbFcihYbž'X]Y'X]f'X]Y'AÒ[`]W._Y]h'[YVYbž'XY]bY'_ÒfdYf`]W.Yb

 $5ig_`Ub[']b'Y]bYf'hfUX]h]cbY``Yb'6Yf[\ØhhY'VYgcbXYfg'fY]njc```Y]b'\Yfn\UZhYg'5VYbXYggYb'Uig'fY[]cbU`Yb'GdYn]U`]hÀhYb'ibX'Y]b';`Ug'KY]bž'XUg'XYb'HU['dYfZY_h'UVfibXYh''$

: Øf X]Y ?i `hi f]bhYfYgg]YfhYb []VhYg YVYbZU``g Y]bY : Ø``Y j cb
A Ò[`]WX_Y]hYbžg]WX]a `I f`Ui V ni Ybhgd UbbYb i bX [`Y]WX nY]h][
bYi Y '9]bXfØW_Y ni '[Yk]bbYb"' +b 'GhÀXhYb 'k]Y '6UfWY`cbU'cXYf
DfU['a]gWXYb 'g]WX '5VYbhYi Yf i bX '9bhgd Ubbi b['Ui Z`\Ufa cb]gWXY
K Y]gY"'8i '_Ubbgh'Xi fWX 'VY`YVhY 'GhfU» Yb 'gWX `YbXYfbž'X]Y
VYY]bXfi W_YbXY '5fWX]hY_hi f'VYghUi bYb 'i bX ']b 'XYb '_`Y]bYb '7 UZÅgž
X]Y 'X]Y : i » [Àb[YfncbYb 'gÀi a Ybž'Y]bY '5i gnY]h'bY\a Yb"' <]Yf
Yfk UfhYh'X]WX 'X]Y '? i bgh'XYf '9bhgWX `Yi b][i b[.'VY]'Y]bYa
_Ògh`]WXYb '7 Uddi WW]bc ']b 'XYf 'BUWXa]hhU[ggcbbYž'k À\fYbX'Xi
XYa 'HfY]VYb 'XYf 'GhUXh'ni gWX Ui gh"</pre>

8]YgY'5fh'XYg'FY]gYbgž'X]Y'XUg'<Yfn'\Ô\Yf'gW\`U[Yb'`Àggh'i bX [`Y]W\nY]h]['FUi a 'ZØf'; YXUb_Yb'i bX']bbYfY'Fi \Y'gW\UZhž']gh b]W\h'bi f'Y]bY'?i bghž'gcbXYfb'Ui W\'Y]b'@YVYbggh]`"'K Yb][Yf\Y_h]gW\ž'a Y\f'bUW\\U`h]['''i bX'[YbUi 'XUg'gcf[h'XUZØfž'XUgg'XiUa '9bXY'Y]bYg'Yf`YVb]gfY]W\Yb'HU[Yg'a]h'Y]bYa '@\W\Y`bY]bgW\`UZYb'_Ubbghž'k \A\fYbX'XUg'A YYf`Y]gY'Ub'XYb'GhfUbXd`AhgW\Yfh'cXYf'XYf'6Yf[k]bX'Xi fW\'X]Y'6\Ai a Y'Z'ØghYfh"

?i`hi f`Yf`YVYb`i bX`9bYf[]Y`hUb_Yb. I bj Yf[Ygg`]W\Y'9f`YVb]ggY`]b`\Ufa cb]gW\Yf 6U`UbWY

BY\a Yb'k]f'a U`'Ubž'Xi 'VYZ]bXYgh'X]W\']b'XYf'di `g]YfYbXYb

A Yhfcdc`Y'6UfWY`cbU"' <]Yf'`Àggh'g]W\'XUg'@YVYbg[YZØ\`'GdUb]Ybg
gdØfYbž'k À\fYbX'XYf'8i Zh'j cb'Zf]gW\'[YVUW_YbYa '6fchi'bX
ghUf_Yb'?UZZYYg'X]Y'@ Zh'YfZØ``h"'9]b'ZfØ\Yg': fØ\ghØW_']b'Y]bYa

W\Ufa UbhYb'7UZ\'A'Ua 'D`U\'AU'XY'7UhU`i bmU'[]Vh'X]f'XYb
9bYf[]Y_]W_ž'XYb'Xi 'ZØf'XYb'HU['VfUi W\gh"'A]h'Y]bYa 'Z'Ui a][Yb
7fc]ggUbh']b'XYf' < UbX'gW\`YbXYfgh'Xi 'Xi fW\'X]Y'Vi bhYb'GhfU\\Ybž
j cfVY]'Ub'XYb'VYY]bXfi W_YbXYb'6Ui k Yf_Yb'; Ui Xfg"'8]Y'GU[fUXU:Ua É]U'ghfU\`h']b'XYb'A cf[YbghfU\`Yb'i bX'n]Y\h'X]W\'a U[]gW\'Ub"
8Y]b' < Yfn'gW\'À[h'gW\bY``Yfž'k Ybb'Xi ']b'X]Y'5fW\]hY_hi f

Y]bhUi WkghžX]Y'Ub'Y]bY'`YVYbX][Y'BUhi f'Yf]bbYfh'i bX; YgWk]WkhYb'Ui g'Y]bYf'UbXYfYb'NY]h'YfnÀ\`h"

BUWW. X]YgYf'_i `hi fY``Yb`8cg]g'VfUi Ww.gh'Xi 'Yhk Ug'Fi \Y"'K Ufi a b]Ww.h']b'Y]bYb'XYf'nU\`fY]Ww.Yb'j YfghYw_hYb'DUf_g'Y]bhUi Ww.Yb3'=a DUfWXY'`U'7]i hUXY``Už'Y]bYf'[fØbYb'C UgY'a]hhYb']b'XYf'GhUXhž _Ubbgh'Xi 'Ui Z'Y]bYf'6Ub_'g]hnYbž'X]Y'GYY`Y'VUi a Y`b'``UggYb'i bX XYb'?`Àb[Yb'XYf'BUhi f'`Ui gWw.Yb"'<]Yf'[]Vh'Yg'U``Yg.'d`ÀhgWw.YfbXY K UggYffYWw.hYž'Yl ch]gWw.Y'DZ'UbnYb'i bX'gc[Uf'_`Y]bY 6cchgUi gZ@[Y'Ui Z'XYa 'GYY"'8Yf'GhfYgg'XYg'5``hU[g'ZÀ``h'j cb'X]f UVž'i bX'Xi 'gd@fghž'k]Y'X]Y'9bYf[]Y'ni f@w__Y\fh"

5a 'bÀW\ ghYb'HU['ZØ\fgh'Xi''XY]bY'_i `hi fY``Y'9bhXYW_i b[gfY]gY bUW\ FcbXUž'Y]bYf'GhUXhž'X]Y'a]h']\fYb'XfUa Uh]gW\Yb'?']ddYb'i bX XYf'\]ghcf]gW\Yb'6fØW_Y'Di YbhY'Bi Yj c'ZUgn]b]Yfh''<]Yf'ni 'ghY\Ybž kÀ\fYbX'XYf'GcbbYbi bhYf[Ub['X]Y'@UbXgW\UZh']b'Y]b'[c`XYbYg @]W\h'hUi W\hž']gh'Y]b'UVgc`i hYg'<][\`][\h''8]Y'gdUb]gW\Y'?i `hi f']gh\]Yf'[fY]ZVUf'i bX'Xi 'k]fgh'NYi [Y'hfUX]h]cbY``Yf': `Ua YbWc! JcfZØ\fi b[Yb']b'Y]bYf'_`Y]bYb'6Ufž'kÀ\fYbX'Xi 'HUdUg'[Yb]Y\hž X]Y'Y]bY'9I d`cg]cb'Ui g'; YgW\a UW_i bX'@Y]XYbgW\UZh'XUfghY``Yb''\\XYf'6]gg'Yfn\\`h'Y]bY'Y][YbY'; YgW\]W\hYž'i bX'Xi 'V]gh i bk Y][Yf']W\'j cb'XYf'; UghZfYi bXgW\UZh'XYf'9]b\Y]a]gW\Yb VYfØ\fh''

I a 'X]Y'9f`YVb]ggY'dYfZY_h'UVni fi bXYb'i bX'XY]bY'9bYf[]Y'k]YXYf
Ui Zni `UXYbž'[Òbbgh'Xi 'X]f'Y]bY'5i gnY]h']b'Y]bYa 'XYf'j]Y`Yb
H\Yfa U`VÀXYf']b'XYf'FY[]cb"' + b'6U[cg'XY'A cbhVi]'V]YhYb'X]Y
k Ufa Ybž'a]bYfU`\U`h][Yb'EiY``Yb'b]W\h'bi f'9bhgdUbbi b[ž
gcbXYfb'Ui W\'Y]bY'i bgW\AhnVUfY'9fZU\fi b[ž'X]Y'Xi 'a]h'XYf
`c_U`Yb'?i `hi f'j YfV]bXYgh''K Ybb'Xi ']b'XUg'\Y]`YbXY'K UggYf
Y]bhUi W\ghž'k A\fYbX'X]Y'i a [YVYbXY'BUhi f'`Y]gY'a i fa Y`hž'ZØ\`gh
Xi ž'k]Y'? ÒfdYf'i bX'; Y]gh']b'dYfZY_hYf' < Ufa cb]Y'ni Y]bUbXYf
Z|bXYb"'

Gc`WXY'9f`YVb]ggY'a UWXYb'XY]bYb'l f`Ui V'ni 'Y]bYa i bj Yf[Ygg`]WXYb'5VYbhYi Yfž'VY]'XYa 'XUg'9f_i bXYb'`c_U`Yf ?i `hi fYb'i bX'XUg'HUb_Yb'j cb'bYi Yf'9bYf[]Y'<UbX']b'<UbX [Y\Yb"'*XYf'HU['V]YhYh'Y]bY'bYi Y'9bhXYW_i b[ž'gY]'Yg'Xi fWX'X]Y k Ufa Yb'GcbbYbghfU\`Yb'VY]a 'G][\hgYY]b['cXYf'X]Y H]YZYbYbhgdUbbi b[']b'bUhØf`]W\Yb'EiY``Yb''\]Yf'k]fX'X]Y'?i bgh XYf'dYfZY_hYb'I f`Ui Vga]gW\i b[']b'j c``Yb'NØ[Yb'[Y`YVh''

H]ddg'ZØf'XYb'HfUi a i f`Ui V.'5_h]j 'gY]b'i bX [`Y]W\nY]h]['X]Y'GYY`Y'VUi a Y`b'`UggYb

8 c W. 'k]Y '[Y `]b [h'X]Y 'dYfZY_hY 'A]gWW i b [3'; Y\Yb 'G]Y 'ni Yfgh'Ui Z 9bhXYW_i b [gfY]gY " 6 Ygi WX Yb 'G]Y 'A Àf_hY ž']b 'XYbYb '`c_U`Y < UbXk Yf_Yf']\fY '? i bghk Yf_Y 'UbV]YhYb " ** A UffU_YgWX 'ni a 6 Y]gd]Y `'_ObbYb 'G]Y 'Xi fWX 'X]Y 'gci _g 'gWX `YbXYfb ž'X]Y 'Vi bhYb : UfVYb i bX '`YV\UZhYb'; YfÀi gWX Y 'Ui ZgUi [Yb i bX 'XUVY] 'X]Y < YfUi gZcfXYfi b ['XYg': Y] `gWX Ybg 'UbbY\a Yb" 'BcWX 'VYj cf'XYf'HU[i a gWX `A[hž'[ObbYb'G]Y 'g]WX 'X]Y 'k c\`hi YbXYb' < AbXY 'Y]bYg A UggYi fg']b 'Y]bYa 'hfUX]h]cbY``Yb' < Ua a Ua 'i bX '`UggYb 'XYb GhfYgg'XYg'5``hU[g'\]bhYf'g]WX "

; `Y]W\nY]h]['gc``hYb'G]Y'XYb'FY]gYZc_i g'Ui Z'5_h]j]hÀhYb'f]W\hYbž X]Y'\\ bYb': fYi XY'VYfY]hYb'''GhUbX!i d!DUXX`YVcUfX]b[']b'XYf i bVYfØ\fhYb'BUhi f'XYg'7cghU'F]WUb]gW\Yb'DUn]Z]_g'_ca V]b]Yfh _\OfdYf`]W\Y'5_h]j]hÀh'a]h'XYf'Zf]YX`]W\Yb'DfÀgYbn'XYg'K UggYfg'' K\A\fYbX'X]Y'K Y``Yb'gUbZh'[Y[Yb'\\footnote{\footno

BYVYb'5_h]j YbžX]Y'XYb'BYfj Yb_]hnY`gi WXYbž'[]Vh'Yg'Ui WX'ZØf'X]Y
9bhgdUbbhYb'nU\`fY]WXY'A Ò[`]WX_Y]hYb'XYf'9f\c`i b["'9]b'HU['Ua
GhfUbX'_Ubb'Yfgh_`Ugg][']b'\(\text{A}\)fY'FY]gYZi fUhgd`\(\text{A}\)bY'Ui Z[Ybca a Yb
k YfXYb"'9]b'VYei Ya Yf'@]Y[Yghi \`ž'[i hY'Aig]_'i bX'Y]b'dYfZY_hYf
7cW_hU]`']b'XYf'<UbX''XUg']gh'X]Y'5fh'j cb'; Ybi ggž'X]Y'YXYb
I f'Ui V'i bj Yf[Ygg`]WX'a UWXh''5i Z'XYb'A U`YX]j Yb'VY]gd]Y`gk Y]gY
_\(\text{O}\)bYb'G]Y'b]WX h'bi f']b'X]Y'Uni fV`Ui Yb'; Yk \(\text{A}\)ggYf'Y]bhUi WXYbž
gcbXYfb'Ui WX'VY]'Y]bYa 'GcbbYbi bhYf[Ub[\(\text{Z}\)XYf'XYb'<]a a Y`']b
: `Ua a Yb'gYhnhž'\(\text{A}\)fY'; YXUb_Yb'gUa a Y`b''

 $GWX`]Y*`]WX`]gh'X]Y`6U`UbWY`nk]gWXYb`5_h]j]hÀh'i bX`9bhgdUbbi b[cZh']bX]j]Xi Y``i bX`a i gg'Yf_i bXYh'k YfXYb"'9fghY``Yb`G]Y`Y]bY dYfgÒb`]WXY`@]ghY`j cb`5_h]j]hÀhYbž'X]Y`G]Y`]b`<math>\Rightarrow$ fY`D`Ubi b[Y]bVYn]Y\Yb`a ÒWXhYb"'J]Y``Y]WXh']gh'Y]b`_i `]bUf]gWXYf`?cWX_i fg Y]bY`A Ò[`]WX_Y]hž'bYi Y`HYWXb]_Yb`ni `Yf`YfbYb`i bX`[`Y]WXnY]h][bYi Y`; YgWXa ÀW_Yf`ni `YbhXYW_Yb"`CXYf`Y]bY`Mc[U!GYgg]cb`Ua GhfUbXž'X]Y`G]Y`a]h'Y]bYf`]bbYfYb`Fi\Y`VY`c\bhž'k À\fYbX`X]Y K Y``Yb`gUbZh`fUi gWXYbX`]a '<]bhYf[fi bX`UfVY]hYb"`?fYUh]j Yg ; YghU`hYb`Vf]b[h'b]WXh'bi f`GdU* ž'gcbXYfb`ZÒfXYfh`Ui WX`X]Y 9bhgdUbbi b['i bX`XYb`: `i gg' \Rightarrow fYf`9bYf[]Y"`

Bi hnYb G]Y \Rightarrow fY BYi []YfXYži a 'XYb cdh]a U`Yb F\mh\a i g nk]gW\Yb 5VYbhYi Yf'i bX Fi\Y'ni 'Z]bXYb' 'Yg'k UfhYh'Y]bY 'K Y`h j c``Yf': UfVYb i bX '9f`YVb]ggY 'Ui Z'G]Yž'X]Y 'bi f'XUfUi Z'k UfhYhž gdYbXYhi fW\' \Rightarrow fY 'GYY `Y 'X]Y : fY]\Y]h'ni 'Yf_i bXYb"

GhY``X]f'j cfžXi 'k UWkgh'a]h'XYb'YfghYb'GcbbYbghfU\`Yb'Ui ZžXYf
8i Zh'j cb'Zf]gWk'[YVfØ\hYa'?UZZYY'`]Y[h']b'XYf'@i Zh"'8i 'V]gh'VYfY]h
ZØf'XUg'bÀWkghY'5VYbhYi Yfž'XUg'X]Wk'Xi fWk'UhYa VYfUi VYbXY
@UbXgWkUZhYbž'di `g]YfYbXY'GhÀXhY'i bX'j YfghYW_hY'_i `hi fY``Y
GWkAhnY'ZØ\fh"8cWk'XYf'HU['YbXYh'b]Wkh']a 'GWkkY]»'i bX'a]h
a ØXYb'6Y]bYbž'gcbXYfb'a]h'k c\`hi YbXYf'9bhgdUbbi b["'9]b'6UX
]b'XYf'GcbbY'cXYf'Y]b'6Ygi Wk']a 'GdU'`Aggh'X]Wk'fY_cbghfi]YfYbž
k A\fYbX'X]Y'K Y``Yb'XYg'A YYfYg'gUbZh'Ub'XYb'GhfUbX'd`AhgWkYfb"'

 $8\,]YgY\,``Ufa\;cb\,]gWX\,Y\,`6\,U`Ub\,WY\,`Ui\;g\,`5_h]j\;]hAhii\;b\,X\,`9f\c`i\;b\,[\,`k\;UfhYh]$

bi f`XUfUi Zž'j cb`X]f`YbhXYW_h`ni `k YfXYb"`@Ugg`X]W\`j cb`XYf`A U[]Y X]YgYg`FY]gYn]Y`g'j YfnUi VYfbž'k c`5VYbhYi Yf`i gh`Ui Z'h]YZ[Y\YbXY 9bhgdUbbi b[`hf]ZZh`i bX`i bj Yf[Ygg`]W\Y`9f`YVb]ggY`]b`'YXYf`9W_Y Ui Z'X]W\`k UfhYb"`DUW_`XY]bY`?cZZYfž`XYf`dYfZY_hY`A]I `Ui g`9f`YVYb i bX`; Yb]Y»Yb`]gh'bi f`Y]bYb`GW\f]hh`YbhZYfbh` `XUg`5VYbhYi Yf XY]bYq`@YVYbq`Yfk UfhYh`X]W\`°

8 YhU]`g

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'Y]bY!fY]gY "XY