>Y``mVYUb`@Ui bWXYg`=bhYfUWh]j Y`A Ya c]f. 5'BYk'9fU'Zcf'FYUXYfg°

7 U``Uk Um`dUfhbYfg`k]h\`\X``mVYUb`hc``Ui bW\`U`X][]hU``m Yb\UbWX`a Ya c]f`ZYUhi f]b[`5=WcbhYbhž'hfUbgZcfa]b[`h\Y di V`]g\]b[`YI dYf]YbWY"



7U``Uk Umž'I G5 !! ⇒ `Ub `Y! W]h]b['a cj Y 'Zcf'h\Y'di V`]g\]b[
]bXi ghfmž' ≯``mVYUb ž']b 'Wc``UVcfUh]cb 'k]h\ '5dhcg 'UbX'7U``Uk Um
5fhg / '9bhYfhU]ba Ybhž']g 'gYh'hc '`Ui bW\ 'h\Y'a Ya c]f 'cZ'ZUa YX'[c`Z
a c[i`'9`m'7U``Uk Umž'h]h`YX' H\Y'I bWcbei YfUV`Y'; Ua Y. 'A m'@]ZY']b
; c`Z'/ '6i g]bYggž 'cb' ≯ bY'* ž'&\$&) "'H\]g']gb h'¹ gh'Ubm'Vcc_
fY`YUgY/']h'\YfU`Xg'U'bYk 'YfU']b'di V`]g\]b['Vm'V`YbX]b['hfUX]h]cbU`
df]bh'k]h\ 'X][]hU``]bbcj Uh]cbg"

YI Wi g]j Y'VY\]bX!h\Y!gWbYg'WcbhYbh"'7c``YWh]V`Y'X][]hU`a Ya cfUV]`]U'h\Uh'WY`YVfUhYg'7U``Uk Umg'YI hYbg]j Y'[c`Z`Y[UWmUXXg'Zi fh\Yf'YI W]hYa Ybh"'5VWcfX]b['hc'H\Y'A Ub]`U'H]a Ygž'h\]g Vcc_']g'a cfY'h\Ub'U'a Ya c]f/']h g'XYg][bYX'hc'Yj c`j Yž'cZZYf]b[ZfYg\'WcbhYbh'`]_Y'a ch]j Uh]cbU`'ei chYg'UbX'[c`Z'h]dg'Ug'h]a Y'[cYgcb"

H Y 9j c i h]cb cZDi V g]b[

K\Uhgʻi bZc`X]b[`\YfY`]gʻUʻghf]_]b[`a YhUa cfd\cg]gʻ]bʻh\Ydi V`]g\]b[``UbXgWUdYžk\YfY`h\Y`]bhY[fUh]cb`cZ'd\mg]WU``dfcXi Whgk]h\`X][]hU``YI dYf]YbWYgʻdfca]gYgʻhcʻfYXYZ]bY`Yb[U[Ya Ybh"'6Ufh@]dg_]žʻ79C`cZ'¾``mVYUb žʻYa d\Ug]nYgʻh\]gʻdchYbh]U``Zcfʻd\mg]WU`dfcXi WhgʻhcʻWcbh]bi U``m`Yb[U[Y`Wcbgi a Yfgʻ]b`a YUb]b[Zi``k Umg"H\]gʻ]b]h]Uh]j Yʻbchʻcb`m`U]a gʻhcʻYb\UbWYʻVfUbX`Yb[U[Ya YbhʻVi h U`gcʻg\ck gʻUʻj]g]cbUfm``YUdʻhck UfXgʻUʻdi V`]g\]b[`a cXY``h\UhYI hYbXgʻVYmcbX'^i ghʻVcc_gʻhcʻch\YfʻdfcXi Whgžgi W\`Ugʻ[c`ZʻWi VgUbX`ZUg\]cb"

H\]g`hfYbX`ZU``g`]b``]bY`k]h\`cVgYfjUh]cbg`Zfca 'Di V`]g\]b[`GhUhYžk\]W\`bchYg`h\Uh`h\Y`]bXi ghfm`]g`XmbUa]\W\``m`fYgdcbX]b[`hc`bYkhYW\bc`c[]Yg`UbX`Wcbgi a Yf`Yl dYWhUh]cbg"'?Ym`]bbcjUh]cbg\]bWi XY`h\Y`f]gY`cZ`X][]hU``di V`]g\]b[`Zcfa Uhgž`h\Y`]bWfYUg]b[`i gYcZ`Ufh]Z]W]U``]bhY``][YbWY`]b`WcbhYbh`WfYUh]cbž`UbX`h\Y`[fck h\`cZUi X]cVcc_g`UbX`dcXWUghgž`U```cZ`k\]W\`UfY`a U_]b[`k Uj Yg`]b&\$\&\\$\"

5 = g F c Y]b 7 c b h Y b h 7 f Y Uh]c b

GdYU_]b['cZ'5 \(\frac{\pi}{2}'\)]hg'VYWca]b['U'ghUd`Y']b'WcbhYbh'WfYUh]cb'UWfcgg j Uf]ci g'a YX]i a g"'YK YY_ 'fYWYbh`m'fYdcfhYX'cb'A Y`Ub]U'Hfi a d g a Ya c]f\(\frac{\pi}{2}'k \)]W\']g'gYh'hc'\]h'g\Y`j Yg'k]h\'Ub'Ui X]cVcc_'bUffUhYX Ybh]fY`m'Vm'Ub'5 \(\frac{\pi}{2}\) [YbYfUhYX'j Yfg]cb'cZ'\Yf'j c]WY'''H\]g dUfhbYfg\]d'k]h\'9`Yj Yb@UVg'a Uf_g'U'bchUV`Y']bghUbWY'cZ'\ck'5 = hYW\\bc`c[m']g'fYg\Ud]b['Ui h\\cfg\]d"'H\Y'i gY'cZ'5 \(\frac{\pi}{2}\)cf'WfYUh]b[Ui X]cVcc_g']g'U'[fck]b['hfYbX\(\frac{\pi}{2}\)UbX'Ug'h\Y'XYa UbX'Zcf'Ui X]c WcbhYbh'Wcbh]bi Yg'hc'f]gY\(\frac{\pi}{2}\)jh'cdYbg'i d'bYk'Uj Ybi Yg'Zcf'Ui h\\cfg UbX'di V`]g\Yfg'U`]_Y"

 $MY h z'h Y'] a d U W h' c Z' 5 = c b' h f U X] h] c b U Y' d i V'] g \setminus] b ['f U] g Y g' e i Y g h] c b g z' d U f h] W' Y U h c f g' i K \] Y 5 = h c c `g' U f Y' a U_] b ['WY f h U] b' d f c WY g g Y g' a c f Y' Y ZZ] W] Y b h z' Y I d Y f h g' `]_Y 5 `Y I '7 c b b c W_ 'Z f c a 'C I Z c f X g' G U E X' 6 i g] b Y g g' G W c c '' g i [[Y g h' h \ U h k \] `Y' W U b [Y g' U f Y'] a a] b Y b h z' h \] g' a] [\ h' b c h' b Y W Y g g U f] `m' a Y U b Z Y k Y f' c V g'] b' h \ Y'] b X i g h f m'$

5'@cc_'5\YUX

5g·h\Y·X][]hU``U[Y`Wcid`Yg`k]h\`h\Y`diV`]g\]b[`kcf`Xž`]hg`WYUfh\Uh`U`g\]Zh`]g`cb`h\Y`\cf]ncb"`H\Y`Zig]cb`cZ`]bhYfUWh]jY`Y`YaYbhgž]bgd]f]b[`WcbhYbhž`UbX`VfUbX`Yb[U[YaYbh`k]````]_Y`m`WUhYf`hc`UacfY`hYWX!gUjjm`UiX]YbWY"`H\]g`idWca]b[`fY`YUgY`Vm`X``mVYUbUbX`7U``UkUm`gYhg`U`dfYWXYbhž`XYacbghfUh]b[`h\Uh`h\Y`ZihifY`cZdiV`]g\]b[`aUmjYfm`kY``fYg]XY`]b`gYUa`Ygg`m`WcbbYWh]b[`h\Y`UbU`c[`dUgh`k]h\`h\Y`X][]hU``ZihifY"

K]h\ 'h\ Y 'a Ya c]f'Uj U]`UV`Y'Zcf'dfY!cfXYf'cb'd`UhZcfa g``]_Y
5a Uncbž'fYUXYfg'\Uj Y'gca Yh\]b['hc'`cc_'Zcfk UfX'hcž'Ug'9`m
7U``Uk Umg'ghcfm'bch'cb`m'g\UfYg'\]g'`Y[UWhi]b'[c`Z'Vi h'U`gc
Ya VcX]Yg'h\ Y']bbcj Uh]cbg'g\Ud]b['h\ Y'di V`]g\]b[']bXi ghfm'Uh
`Uf[Y"

8YhU]`g	
Cfh	7U``Uk Umž'l G5
EiY``Yb	• k k k "a Ub]`Uh]a Yg"bYh
	• k k k "Yk YY_"Wca
	• di V`]g\]b[ghUhY"Wca

6 Ygi W Yb G]Y i bg Ui Z a Y]b!k]Yb "b Yh