=A; '5WUXYa m/ \$' - /g'BYk 'GhUf.'Nmfcb
: cfghU``'9mYg'7\Ua d]cbg\]d'; `cfm°

≠ : '5 WUXYa midfYdUfYg'Zcf'h\Y'&\$&) '\][\'gWkcc`'ZcchVU``gYUgcb'k]h\'ghUbXci h'hfUbgZYf'Nmfcb': cfghU``ž'U]a]b['Zcfgi WWYgg']b': `cf]XU"



JYb]WYŽ: `cf]XUŽI G5 !:H\Y'YI W]hYa Ybhi]g'Vi]`X]b[i]b': `cf]XU'Ug h\Y'\][\gW\cc``ZcchVU``gYUgcb`UddfcUW\Ygžk]h\ → ; 5WUXYa mg 5gWYbXYfg'Uh'h\Y'ZcfYZfcbh'cZ'Ubh]W]dUh]cb"'5g'h\Y'&\$&) gYUgcb __]W_g'cZZ']b``Ygg'h\Ub'g]I k YY_gžh\Y'hYUa i]g'[YUf]b[ii d'hc'a U_Y k Uj Yg'i bXYf'bYk '`YUXYfg\]d"'H\Y'5gWYbXYfgž'fYbck bYX'Zcf'h\Y]f ghfcb['ZcchVU``'dfc[fUa ž'UfY'XYhYfa]bYX'hc'Wca dYhY'Zcf'Ub i bXYZYUhYX'gYUgcb'UbX'U'a mh\]WU``bUh]cbU``W\Ua d]cbg\]d" < ck Yj Yfž'Ug'Cb' 'fYdcfhgž'h\Ym'a Um'ZU``'^1 gh'g\cfhž'U]a]b['Zcf'U Wca a YbXUV`Y'-!%'fYWcfX"

 $K \setminus Uh \ g'd \ Ufh] \ W' \setminus Uf \ m'Y \ W \ h] b \ [\ Zcf' \ Z \ Ubg'] g'h \setminus Y' \ UXX] h] cb'c \ Z'gh \ UbXcih \ 98; 9' \ Nmfcb': cfgh \ 'Z' \ U'* \ | \ Zcch \ 'Z' \ \&)) \ | \ dcib \ X' \ XY \ ZY \ bg] j \ Y' \ Yb \ M' \ Ubg \ Z'ff] b \ [\ Zfca' \ @ci] g] \ UbU \ g' \ ygi] h' <] [\ GW \ cc''': cfgh \ U'' \ A'' \ UXX] h] cb'c \ Z'gh \ UbXcih \ A'' \ Z'gh \ UbXcih \ A'' \ UXX$ h] cb'c \ Z'gh \ UbXcih \ A'' \ UXX h] cb'c \ Z'gh \ UbXcih \ A'' \ UXX h] cb'c \ Z'gh \ UbXcih \ A'' \ UXX h] cb'c \ Z'gh \ UbXcih \ UXX h] cb'c \ Z'gh \ UbXcih \ UbXcih \ UXX h] cb'c \ Z'gh \ UbXcih \ UXX h] cb'c \ Z'gh \ UbXcih \ UXX h] cb'c \ Z'gh \ UXX h] cb'c \ Z'gh \ UXX h] cb

 $\begin{tabular}{ll} UbbcibWX \aligned by the continuous of the$

$5.7 cgYf@cc_Uh'h\ Y'HYUa$

 $H\Y'5gWYbXYfg'`]bYid'VcUghg'U'kYU'h\'cZ'hU'Ybhž'k]h\'-Ym'd`UmYfg gi W\'Ug'CZYbg]j Y'HUW_'Y'?YYbm]'DcdYž'98; 9'\\J_Y'?fYi`ž'UbX K]XY'FYWY]j Yf'CgUb]'; UmYg'Ua cb['h\cgY'hc'kUhW\'h\]g'gYUgcb'' <math display="block"> A; g'XYZYbg]j Y'Zfcbh'k]``U`gc'VY'Vc`ghYfYX'Vm': cfghU``ž'k \c'UXXg j YfgUh]`]hmž'\Uj]b['d`UmYX'Ug'Vch\'U'hk c!dc]bh'UbX'h\fYY!dc]bh YX[Y'fi g\Yf''<]g'Uh\`Yh]W]ga 'U``ck g'\]a 'hc'hfU_'Xck b'd`Umg U\'fcgg'h\Y'Z]Y`Xž'a U_]b['\]a 'U'j U`i UV`Y'UggYh']b'\A; g'di fgi]h'cZ j]\Whcfm''H\Y'hYUa 'ZcW' gYg'cb'XYj Y`cd]b['d`UmYfg'`]_Y': cfghU``ž k \c'bch'cb`m'YI \W'`g'cb'h\Y'Z]Y`X'Vi h'U`gc'\Wff]Yg'`cb[!hYfa XYj Y`cda YbhU`'dchYbh]U`''$

 $\label{eq:K-likelihood} K \]Y' = A ; \ `5 WUXYa mg' Wc UW]b[\ `ghUZZ']g'cdh]a \]gh] Wz'h \ Ym' ZUW' U hci [\ `gW YXi `Yz'k]h `h Y]f'cb`m'dfYX] WhY X'`cgg' Wca]b[\ `U[U]bgh h Y' Zcfa]X UV `Y' Gh'' : fUb W g' 5 WUXYa m'fA 8 & DUbh Yfg'' 9 UW a UhW i dz']b Wi X]b[\ `[Ua Yg' U[U]bgh' h Y Ua g' Zfca : `cf] X U' Ub X' ch Yfgh Uh Ygz'df Yg Ybhg' U' W Ub W' Zcf'h Y' 5 g W b X Yfg'hc'g \ ck W Ug Y'h Y]f ghf Yb[h \ g' Ub X' dfcj Y'h Y]f'k cfh \ cb' U' b Uh]cb U``Yj Y`''$

$H\Y 6$][[YfD]Whi fY. =a dcfhUbWY cZ FYWfi]h]b[FUh]b[g

 $H\Y``UbXgWUdY`cZ`\][\\gW\cc``ZcchVU```]g`[fYUh`m`]bZiYbWYX`VmfYWfi]ha Ybhž'k \]WX`]g`U`a i `h]!V]``]cb!Xc``Uf`]bXi ghfm`]b`h\Y`I b]hYX GhUhYg"`I bXYfghUbX]b[`\ck `fYWfi]h]b[`fUh]b[g`WUb`UZZYWh`h\Y Zi hi fY`cZ`h\YgY`Ugd]f]b[`Uh\`YhYg`]g`Wfi W]U`"`5 WWcfX]b[`hc`$h\`Yh]W 8]fYWhcf`I ž`U`ghi Xm`\Ug`\][\`][\hYX`h\Y`WcffY`Uh]cb`VYhk YYb fYWfi]h]b[`fUb_]b[g`UbX`hYUa `dYfZcfa UbWY"`8 UhU`g\ck g`h\Uh`dUgh fYWfi]h]b[`gi WWYgg`YI d`U]bg`i d`hc`' *i `cZ`h\Y`j Uf]UV]`]hm`]b`U$

8 Y hU]`g	
Cfh	JYb]WYž': `cf]XUž'I G5
EiY``Yb	• k k k "cb' "Wca
	• k k k "g]"Wca
	Uh\`Yh]WX]fYWhcfi "Wca

6 Y gi W Y b 'G | Y 'i b g 'U i Z 'a Y | b ! k | Y b "b Y h