6fck UfX'G\Yf]ZZ'8YZ]Yg'=79. 'Di V`]WGUZYhm 7ca Yg':]fgh'Cj Yf'FU]Xg°

6fck UfX '7ci bhm'G\Yf]ZZ'; fY[cfm'Hcbm'df]cf]h]nYg'di V`]W gUZYhmž'fYZ g]b['=79'WccdYfUh]cb'Ua]X'Wcbhfcj Yfg]U`]a a][fUh]cb'dc`]W]Yg"



a UbXUhYg": 7]VYf7i VU fYdcfhg'cb'h\]g'g][b]Z]WUbh'XYWUfUh]cbž'UfYZfYg\]b['d]jch']b'U'W]a UhY'cZhYb'h]b[YX'k]h\'ZYUf'UbXibWfhU]bhm'XiY'hc'h\Y'UWh]cbg'cZ'ZYXYfU`'U[YbW]Yg"

K\UhiXcYg'h\]g'a YUb'Zcf'6fck UfX'7ci bhmfYg]XYbhg3'Hcbmg XYW]g]cb']g'U'fYUggi fUbW'Zcf'a Ubmž'dUfh]W'\Uf`m'k]h\]b']a a][fUbh Wca a i b]h]Yg'h\Uhi\Uj Y'ZUWX'\Y][\hYbYX'Ubl]Yhmcj Yf'fYWbh bUh]cbk]XY'fU]Xg''<]g'Ya d\Ug]g'cb'bch'UffYgh]b[']bX]j]Xi U`g']b bcb!Wf]a]bU`gYhh]b[g `]_Y'XUmWUfYg'cf'fYghUi fUbhg ghf]_Yg'U fYgcbUbh'W\cfX''H\]g'ghUbW'ghUbXg']b'ghUf_'WcbhfUgh'hc'h\Y U[[fYgg]j Y'UddfcUW\Yg'UXj cWUhYX'Vm'h\Y'dfYj]ci g'Hfi a d UXa]b]ghfUh]cb''DUfh'cZh\Y'cb[c]b['Wcbj YfgUh]cb']g'h\Y WcbhYbh]ci g'&, +f[Ł'dfc[fUa ž'XYg][bYX'hc'U`ck '`cWU```Uk YbZcfW'a Ybh'hc'UWhcb']a a][fUh]cb'YbZcfW'a Ybh'hc'UWhcb']a a][fUh]cb'YbZcfW'a Ybh'hc'UVghU]b'Zfca 'gi W\'UWh]cbg'gYYa g'U'WYUf fYYWh]cb'cZ'h\Y'U[[fYgg]j Y']a a][fUh]cb'dc`]WYg'gi ddcfhYX'Vm Z][i fYg'']_Y': `cf]XU'; cj Yfbcf'Fcb'8YGUbh]gž'k \c'\Ug'h][\hYbYX]a a][fUh]cb'`Uk g']b'h\Y'ghUhY''

7ca a i b]hm DYfgdYWh]j Yg

H\Y`fYgdcbgY`Zfca `Wcaaib]hm`cf[Ub]nUh]cbg`UbX`]aa][fUbhf][\hg`UXjcWUhYg`\Ug`[YbYfU``m`VYYb`cbY`cZ`UddfcjU`"`AUbm`j]Ykh\]g`Ug`Uai W\!bYYXYX`g\]Zh`hckUfXg`df]cf]h]n]b[`Wcaaib]hmbYYXg`cjYf`dc`]h]WU``U[YbXUg"`Hcbm`\Ug`Yad\Ug]nYXž`=k]``difgiY`]bX]j]XiU`g`k\c`Wcaa]h`Wf]aYg`]b`h\Y`Wcibhmž`fY[UfX`YggcZ'h\Y]f`Wcibhfm`cZ`cf][]bž`fY]bZcfW]b[`h\Y`aYggU[Y`h\Uh`\]gcZZ]WY`]g`XYX]WUhYX`hc`Vi]`X]b[`hfighž`bch`ZYUf"

 $\label{lem:condition} $$ Uddfcj\ U`"`MYhž']h'UddYUfg'6fck\ UfX']g'W\ccg]b[\ 'U'X]ZZYfYbh'dUh\ \check{z} cbY'h\ Uh'j\ U`i\ Yg'hfi\ gh'UbX'di\ V`]WgUZYhm''$

@cc_]b['5\YUX

#b 'h\ Y 'ZUWY 'c Z'dchY b h]U`'W]j]`'Ub X 'Wf]a]b U`'d Y b U`h]Yg']a dcgY X 'Vm h\ Y 'ghUhY 'Zcf'`c WU`]h]Yg'h\ Uh'fYg]gh' #7 9 'Wc``UVcfUh]c b ž'Ub X 'XYgd]hY h\ Y 'Uha cgd\YfY'c Z'`Y[U`'W\ U``Yb[Yg'gi ffci b X]b['; cj Yfbcf 8 YGUb h]g g']a a][fUh]cb 'WfUW_Xck b ž'G\Yf]ZZ'Hcbmg'fYgc`j Y']g ghf]_]b["'K]h\ 'dc`]W]Yg'h\ Uh'X]ZZYf'g][b]Z]WUb h`m'Zfca 'h\ Y 'ZYXYfU` ghUb WY ž'6 fck UfX'7 ci b hm'\ Ug'dcg]h]cbYX']hgY`Z'Ug'U'gUb Whi Ufm'Zcf fYg]XYb hg'gYY_]b['gUZYhm'Ub X'ghUV]`]hm'''7 ca a i b]h]Yg'UfY'`]_Y`m k UhW\]b['WcgY`m'Ug'h\]g'b UffUh]j Y'i b Zc`Xgž'YU[Yf'hc'gYY'\ck `cWU```YUXYfg\]d']b XYYX'df]cf]h]nYg'di V`]WbYYXg'cj Yf'dc`]h]WU` dfYggi fYg"

cf'6fck UfX'7ci bhmžbUj][Uh]b['h\Y'Wca d`YI]h]Yg'cZ']a a][fUh]cb YbZcfWa Ybh'k \]`Y'df]cf]h]n]b['Wca a i b]hm'gUZYhm'k]``'fYa U]b'U Wfi W]U``VU`UbW]b['UWh''K]h\ ``YUXYfg'`]_Y'G\Yf]ZZ'Hcbm'hU_]b['U ghUbXž'h\YfY g'\cdY'Zcf'Vc`ghYfYX'fY`Uh]cbg\]dg'k]h\]b'h\Y Wca a i b]hm'UbX'U'a cj Y'hck UfXg'Ub']bWi g]j Y'UddfcUWX'h\Uh YWXcYg'h\Y'gYbh]a Ybhg'cZ'i b]hm'UbX'gUZYhm'Zcf'U```]hg'fYg]XYbhg"

8 YhU]`g	
Cfh	6fck UfX 7ci bhmži G5
EiY``Yb	• Yb"W]VYfWiVU"Wca
	• k k k "`c WU`%\$"Wca
	• k k k "]VW"[cj

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