



MODL5116

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7 ci fgY⁻Cj Yfj]Yk

GHJZZ7cbHJWh78YHJ]`g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
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		Ya U]`		

@Y₩ni fYfg

BUa Y	9a U]`	5j U]`UV]`]m	@cWUh]cb	D∖cbY
F YVYWJ DUfYXYg	0,	6mUddc]bha YbhVm Ya U]`		

Hihcfg

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Gcd\]U ⁻ FU	g"fU4 i bgk "YXi "Ui	H65	H65	H65
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9`YbU'A]_\U]`]_	Y"a]_\U]`]_4 i bgk "YXi "Ui			

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@cWUhjcb. `GW&cc``C ZJWYžA cfj Yb`6fck b`6i]`X]b[ž@Yj Y``&ž&),

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9a U]`. <u>\U`4_i bgk "YXi "Ui</u>

7ci fgY[·]8YHJ]`g

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$$\begin{split} & H \left[g'Wci fgY'k \right]^{V} i \left[X'cb'h Y'_bck 'YX[Y'UbX'g_]^{g'UWei} \right] fYX'Xi f]b['h Y'7 cbZYfYbW']bhYfdfYhb['Wci fgY fA C 8 @) %$) E'' = b'h]g'Wci fgYžmci 'k]^{2}Z fh YfXYj Y'cd'mci f3a UghYfmcZ]bhYfbUh]cbU`'WcbZYfYbW' ``Ub[i U[Y UbX'X]gWci fgY']b '9b[']g \'UbX'mci f``Ub[i U[Y'ch Yf'h Ub'9b[']g \Z'Yb \UbW'mci f3UV]`]mhc'Wca dfY \YbX X]ZYfYbhimdYg'cZWca d`YI 'cfU`'hYI hg'md]WU`cZ]bhYfbUh]cbU`'WcbZYfYbW'g']b'Vch ``Ub[i U[Y'gZ'UbX'UVei]fY a cfY 'UXj UbW'X'g]a i `HUbYci g'UbX'WcbgYW'h] Y']bhYfdfYh]b['g_]``gZ'dfcXi Wb['HUf[Yh`Ub[i U[Y'fYbX]h]cbg']b hY'Uddfcdf]UhY'fY[]ghYfg'' 5XX]h]cbU``mz'mci 'k]^``YUfb'UVci hh Y'fYgi `hg'cZfY`Yj UbhfYgYUfW'h UhWUb'YY Udd`]YX'hc'h Y UWei]g]h]cb'UbX'XYj Y'cda YbhcZWcbZYfYbW']bhYfdfYh]b['g_]``g''Nci 'k]^``Wcbh]bi Y'hc'UWei]fY fY'j UbhWca dYhYbWjYg'fY`Uh]b['hc'WcbZYfYbW'3]bhYfdfYhb['z]bWi X]b['YZYWh] Y'hYUa 'k cf_'UbX'dfYdUfUh]cb UbX'h Y'i gY'cZ]bhYfdfYh]b['Vcch 'Yei]da Ybh''Nci 'a i ghYY'V]`]b[i U`]b'cfXYfhc'Ybfc'''$$

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- &" a UghYf`]bhYfbUhjcbU``WcbZYfYbWY``Ub[iU[Y`UbX`X]gWcifgY`]b`Vch\``Ub[iU[Yg
- '"UVWVfUHY`m`]bHYfdfYhg]ai`HUbYcig`mZfca``Ub[iU[Y`6`]bhc``Ub[iU[Y`5
- (" `YZYWIj Y`mk cf_`Ug`U`hYUa `hc`dfYdUfY`Zcf`WcbZYfYbWY`]bhYfdfYh]b[`cVg
-)"W1jhjWU``mfYj]Yk'fYgYUfW\UfhjWYg'UbX']XYbhjZmUdd`]WUhjcbg'Zcf'WcbZYfYbWY']bhYfdfYhjb['dfUWjWY
- *"Udd`mWcbZYfYbWY`]bHYfdfYHYfg`YH\]Wg`UbX`dfcZYgg]cbU``WcbXi Wihc`j Uf]ci g`fY`Yj UbhgYH]b[g
- +"Ya d`cmidi V`]WgdYU_]b['g_]``g`]b'Vch\ ``Ub[i U[Yg
- , "]bhY[fUhY`_bck`YX[Y`UbX`g_]``g`]bhc`]bhYfdfYh]b[`dfUW}]WY

HYUW]b[GhfUhy[]Yg

H\Y'Wci fgY'k]``Wcbg]ghcZh\YcfYh]WU``UbX'dfUW]WU``YWi fYgžgYa]bUfg'UbX'hi hcf]U`gžk \YfY'mci k]``Z fh\Yf'XYj Y`cd'di V`]WgdYU_]b['g_]``gž'UWei]fY'UXj UbWYX'g]a i `HUbYci g'UbX'WcbgYW'h]j Y`]bHYfdfYh]b[g_]``g'j]U'a cbc`]b[i U``UbX'V]`]b[i U``]bHYfdfYh]b['YI YfW]gYgž']bX]j]Xi U``UbX'[fci d'ghi XYbhdUfh]W]dUh]cbž ghi XYbhdfYgYbHUh]cbgž'WUgg'X]gW gg]cbg'UbX'a cW_WcbZYfYbWYg'UbX'XYVUhYg''

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H\Y'cfU``dfYgYbfUh]cb`UbX`a cW_`WcbZYfYbWf`k]``VY`XY`]j YfYX`Xi f]b[`WUgg"`Ghi XYbhg`k]``VY`U``cWUhYX`U XUhY`UbX`h]a Y`Xi f]b[`h\Y`gYa]bUf"`H\Y`hi hcfg`k]``Wcbh]bi ci g`mUggYgg`h\Y`ghi XYbhgfidYfZcfa UbWf h\fci [\ci hih\Y`hYfa`Xi f]b[`h\Y`hi hcf]U`g"`

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8 YHJ]`g.

DfYdUfUhjcb`UbX`dfYgYbhUhjcb`cZU`g]ai`UhYX`WcbZyfYbWf"

Ghi XYbhgʻk]```VY`UggYggYX`cb`h\Y`dfYdUfUh]cb`cZh\Y`WcbZyfYbWY`Ug`k Y```Ug`cb`h\Y`WcbHybhUbX`XY`]j YfmicZ h\Y]f`gdYYW\Yg"`H\Ymik]```fYWY]j Y`]a a YX]UhY`ZYYXVUW_`Zfca `h\Y``YWni fYf`UbX`ZY``ck `ghi XYbhg`UZhYf`h\Y]f dYfZcfa UbWY`UbX`k f]hHyb`ZYYXVUW_`Zfca `h\Y``YWni fYf"

5ggYgga Ybh& CfU`dfYgYbHJh]cb

GhJfhXUhY.~Bch5dd~]WJV~Y

@Yb[h\.') a]bi hYg

8YHJ]`g.

CfU``dfYgYbłUhjcb`VUgYX`cb`U``fYgYUfW\`UfhjWY`cb`7cbZ/fYbW(`+bhYfdfYhjb["

Ghi XYbhgʻk]```fYWY]j Y`Ub`]bX]j]Xi U``a Uf_`U`k YY_`UZhYf`h\Y]f`dfYgYbhUh]cb"

Hi fb]h]b`gYh]b[.`H\]g`]g`bchU`Hi fb]h]b`Ugg][ba Ybh

5ggYgga Ybh'. '7cbh]bi ci g'UggYgga YbhcZ']bhYfdfYh]b['g_]``g

GHUfhXUhY.Bch5dd`]WUV`Y

8YHJ]`g.

=€!WUgg`UggYgga YbhcZg]a i `HUbYci g`UbX`WcbgYW h]j Y`]bhYfdfYh]b["

Ghi XYbhgʻk]``fYWY]j YʻcfU`ZYYXVUW_]a a YX]UhYʻmUZhYfʻh\Y]fʻdYfZcfa UbWYʻZfca ʻh\Yʻhi hcfʻUbXʻZY``ck ghi XYbhgʻUbXʻk f]hhYbʻZYYXVUW_Zfca ʻh\Yʻhi hcfʻXi f]b[ʻh\YʻgYa YghYf"

5ggYgga Ybh(.:]bU` ŧbhYfdfYh]b['9I Ua]bUh]cb

GHJfhXUHY. Bch5dd`]WUV`Y

@Yb[h\." \$'a]bi hYg

8YHJ]`g.

:]bU``g]a i `HUbYci g`]bHYfdfYH]b[`YI Ua]bUH]cb`Zfca `9b[`]g\ `]bhc`@C H9"

Ghi XYbhgʻk]``VYʻfYWcfXYXʻUbXʻUggYggYXʻcbʻh∖Y]fʻdYfZcfa UbWYʻi dcbʻWca d`Yh]cbʻcZh∖YʻhUg_"`≢bX]j]Xi U` ZYYXVUW_k]``VYʻdfcj]XYXʻUZhYfʻh∖YʻWca d`Yh]cbʻcZh∖YʻWci fgY"

	1	

FYgcifWYg DfYgWf]VYX`FYgcifWYg`

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

Hi fb]h]b Gi Va]gg]cb

Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UhYa dhjb['hc'gi Va]hmci f'Ugg][ba YbhN fci [\ 'Hi fb]hjbž'd'YUgY hY'Yd\cbY'9I hYfbU'`Gi ddcfhcb'-',) '' ' '%cf'Ya U]`'h\Ya 'cb'YI hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui '"'Gi ddcfh \ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY_XUmg'UbX'-.\$\$Ua '-') .\$\$da 'cb'k YY_YbXg'fl *) 'XUmg'U'mYUfŁ''Zmci UfY'i bUV'Y'hc'gi Va]hmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h. 'Hi fb]hjb'mci 'a UmUdd`mZcf'Ub'YI hYbg]cbžVi hmci a i ghfYhU]b'mci f'hjW_Yhbi a VYf'Zfca '9I hYfbU'`Gi ddcfhfU'cb['k]h. 'Ubmch\Yf'fY'Yj UbhXcW a YbhgŁ'hc]bWi XY'Ug'Yj]XYbWY hc'gi ddcfhimci f'YI hYbg]cb'Udd`]WUh]cb'''Zmci 'Ya U]`'9I hYfbU'`Gi ddcfhimci 'k]`` Ui hca UhjWU'`mfYWY]j Y'U'hjW_Yhbi a VYfž'Vi h]Zmci 'hY`Yd\cbY'mci 'k]``bYYX'hc'gdYWJZWU``mUg_'Zcf'cbY" Hi fb]hjb'U`gc'dfcj]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'gfUhi g'cb'Hk]hYf"

; YbYfU``mž'UggYgga YbhHUg_g`a i ghVY`gi Va]HYX`Y`YWfcb]WU``mj]U`Y]H\Yf`Hi fb]h]b`cf`U`A ccX`Y Ugg][ba YbH'`=b`]bgHUbWfg`k \YfY`H\]g`]g`bchdcgg]V`Yž`]hk]```VY`gHUHYX`cb`mci f`Wci fgY**'**g`A ccX`Y`g]HY`k]H\ U`HYfbUh]j Y`gi Va]gg]cb`XYHU]`g"

: cf`]bZcfa Uh]cb`cb`\ck 'hc`gi Va]hUgg][ba Ybhg`cb`]bY`j]U`A ccX`Y.`\hhdg.##gh XYbh'i bgk "YXi "Ui #\ck! gi Va]hUgg][ba Ybha ccX`Y

5WUXYa]W<cbYghmUbX^D`U[]Uf]ga

- i bXYfgHJbX'mci f`f][\hg'UbX'fYgdcbg]V]`]h]Yg'Ug'U'gh XYbhUhI BGK
 VY'Uk UfY'cZd`U[]Uf]ga ž'Vcdmf][\hz'I BGK 'Gh XYbh7cXY'cZ7cbXi VhUbX'5VWVdHJV'Y'I gY'cZ IBGK = HFYgcifWgDc`]Wm

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5₩UXYa]**&_}XU&**KX**U**&C}W=bZcfaUh]cb

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- fYei Yghg Zcf Yl hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk cZa Uf_g/
- I BGK '<YU`h`UbX'GUZYImidc`]WjYg/
- YI Ua]bUh]cb'dfcWYXi fYg/
- gdYWJU``Wcbg]XYfUH]cb`]b`H\Y`Yj YbhcZ]``bYgg`cf`a]gUXj YbH fY/
- gh XYbhYei]hmUbX`X]gUV]`]hm/