

MECH9761

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7 cbj Ybcfg

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fŽ*%`&Ł-',)''%+-`-IBGK `GhXm5VfcUX`UbX`IBGK `9IW\Ub[Y`fZcf`]bVcibX`ghXYbhgŁ

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9a U]`

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I BGK '9I WWUb[Y'-ghi XYbhYI WWUb[Y'Ybei]f]Yg'f7cf']bVci bX'ghi XYbhgŁ

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• Y"["'UXa]gg]cbgž'ZYYgž'dfc[fUa gž'WfYX]h'lfUbgZYf

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• B6. h\Y`fY`Yj UbhihYUa g``]ghYX`UVcj Y`a i ghVY`WcbhUWhYX`Zcf`U```gh XYbh'Ybei]f]Yg

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7 fYX]hDc]bhg[·]*[·]

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7 ci fgY 5]a g

H\]gʻWcifgYʻU]agʻncʻ]adfojYʻibXYfghUbX]b[ʻcZh\Y``UhYghihYW\bo`c[]Ygʻ]bʻUihoacV]`YʻYb[]bYgʻUbXʻh\Y]f cdYfUh]obʻh\foi[\`k\]W\`_bok`YX[Y`[U]bYXʻZfoaʻZi]X`aYW\Ub]Wgžh\YfacXmbUa]WgʻUbX`\YUhihfUbgZf WcifgYgʻYIYfW]gYX"Ch\Yf`WcifgYgʻHU_YbʻZfoaʻjUf]cigʻYb[]bYYf]b[ʻgW\cc`gʻk]```U`goʻ]bhY[fUhY`]bhoʻUʻhchU`

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8YHJ]`g.

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Hi fb]h]b`gYh]b[.`H\]g`Ugg][ba Ybh]g`gi Va]hYX`h\fci [\`Hi fb]h]b`UbX`ghi XYbhg`Xc`bchgYY`Hi fb]h]b g]a]`Uf]hmifYdcfhg"

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8UHU fYdcfh]b['UbX'HYWXb]WU`X]gW gg]cb'cZh\Y'cVgYfj YX'HYbXg'Zfca 'h\Y`UV'HYghg"

Gi Va]gg]cb bchYg.8i Y Vmh\Y ghUfhcZk YY_+ cf k YY_', XYa c XYdYbX]b[cb h\Y ``UV [fci d gY`YW]cb

Hi fb]h]b'gYh]b[.`H\]g`Ugg][ba Ybh]g`gi Va]hYX'h\fci [\`Hi fb]h]b'UbX'gh XYbhg`Xc'bchgYY'Hi fb]h]b g]a]`Uf]hmifYdcfhg"

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@YWnifY`bchYg`k]``VY`id`cUXYX`hc`h\Y`HYUa`@YWnifY`WXUbbY``df]cf`hc`h\Y``YWnifY"

Hi hcf]U``ei Ygh]cbg`k]```VY`i d`cUXYX`hc`h\Y`HYUa`8Ya cbghfUh]cb#Hi hcf]U`#DfcV`Ya`Gc`j]b[`GYgg]cb V\UbbY``df]cf`hc`h\Y`hi hcf]U`"

HYI N/cc_`fYUX]b[`]g`gi [[YghYX`Zcf`]a dfcjYX`i bXYfghUbX]b[/\ckYjYfž'U```cZh\Y`UggYggaYbhg`UfY`VUgYX cb`h\Y`a UhYf]U`g`dfcj]XYX`Vmh\Y``YWi fYf`UbX`hi hcfg"`D`YUgY`fYZYf`hc`h\Y`Wci fgY`gW\YXi``Y`Zcf`h\Y gi [[YghYX`fYUX]b[`Zfca``h\Y`hYI h/cc_"`H\Y`gY`YWhYX`hYI h/cc_`]g.

;`fWd S^5a_Tgef[a` 7`Y[`W8g`VS_WfS'eEWUa`V 7V[f[a` ž>"`6"`<Ymk ccXžA W fUk !<]``ž&\$%

7 cd]Yg`cZh\YgY`hYI hVcc_g`UfY`Uj U]`UV`Y`]b`h\Y`I BGK `Vcc_g\cdž`Y!Vcc_`ghcfYg`UbX`A U]b`@]VfUfm@Yj Y``*"

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5XX]h]cbU``fYUX]b[g`Zcf`h\Y`id!hc!XUhY`Yb[]bY`hYW\bc`c[]Yg`WUb`VY`ZcibX`]b`h\Y`jUf]YmicZ*cifbU`g" GhiXYbhg`WUb`[YhU`ZYY`UWWYgg`hc`h\Y`Z```WcbhYbhg`cZh\Y`Ufh]WYg`Zca`h\Y`Zc``ck]b[`k YVg]hYg`fbYYX`Ub UWWYgg`h\fci[\`f\Y`IBGK`=D`UXXfYggŁ

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BobaYoWee [`7`WodYk S`V 5a_Tgef[a`EU[W/UW<u>hod.##kkk"gW]YbWYX]fYWfWca #gW]YbWY#cifbU`#\$'*\$%&,)</u>

8gW/fZW\agd S\ffi<u>\htd.##k k k "g\\Yb\YX]fY\\fV\da #g\\Yb\YY#ci fbU`#\$\$%*&' *%</u>

7`Wolyk S`V 8gWe <u>\htd.#di Vg"UVg"cf[#ci fbU`#/bZ Ya</u>

5a_Tgef[a`S`V 8/S_W<u>\hd.#k k "gW]YbWYX]fYWYWca #gW]YbWY#cifbU`#\$\$%\$&% \$</u>

BobUWWW[`YeaXfZW5a_Tgef[a`;`ef[fgfW<u>htd.##kkk"gW]YbWYX]fYWfWca#gW]YbWY#cifbU`#%)(\$+(,-</u>

7 ci fgY 9j U`i Uh]cb UbX 8Yj Y`cda Ybh

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G\ci`X'h\Y'WćifgY'\UjY'Ubmbcb!Y`YWfcb]WUggYggaYbhigiVa]gg]cbžh\YgY'g\ci`X'\UjY'U'gHJbXUfX GW\cc``WćjYf'g\YYhžk\]W\'h\Y'WćifgY'WćbjYbcf'k]``dfcj]XY'hc'mci"

5```gi Va]gg]cbg`UfY`YI dYWYX`hc`VY`bYUhUbX`WYUf`migYhci h'`Mci f`fYgi `hg`UfY`h\Y`d]bbUWY`cZU```mci f`\UfX k cf_`UbX`g\ci `X`VY`hfYUhYX`k]h\`Xi Y`fYgdYWf`DfYgYbh]b[`fYgi `hg`WYUf`mi[]j Yg`h\Y`a Uf_Yf`h\Y`VYghW\UbVW cZi bXYfgHUbX]b[`mci f`a Yh\cX/Yj Yb`]Zh\Y`bi a Yf]WU``fYgi `hg`UfY`]bWcffYWf

A Uf_]b[`[i]XY`]bYg`Zcf`Ugg][ba Ybhgi Va]gg]cbg`k]``VY`dfcj]XYX`Uhh\Y`gUa Y`h]a Y`Ug`Ugg][ba YbhXYhU]`g hc`Ugg]ghk]h\`a YYh]b[`UggYggUV`Y`fYei]fYa Ybhg"`Gi Va]gg]cbg`k]``VY`a Uf_YX`UWWcfX]b[`hc`h\Y`a Uf_]b[[i]XY`]bYg`dfcj]XYX"

@UhY`dc`]Wm

K cf_`gi Va]hhYX``UhY`k]h\ci hUb`Uddfcj YX`YI hYbg]cb`Vmh\Y`Wci fgY`WccfX]bUhcf`cf`XY`Y[UhYX`Ui h\cf]hm]g gi VYWhc`U``UhY`dYbU`hmcZ`&\$`dYfWYbhf&\$i Ł`cZh\Y`a UI]a i a `a Uf_`dcgg]V`Y`Zcf`h\UhUggYgga Ybh`]hYa ž dYf`WU`YbXUf`XUm'

H\Y``UhY`dYbU`hm`]g`Udd`]YX`dYf`WU`YbXUf`XUmf]bWi X]b[`kYY_YbXg`UbX`di V`]W\c`]XUmgEh\Uhh\Y UggYgga Ybh`]g`cj YfXi Y"`H\YfY`]g`bc`dfc!fUhU`cZh\Y``UhY`dYbU`hmZcf`gi Va]gg]cbg`a UXY`dUfhk Umh\fci [\`U XUm'

K cf_`gi Va]hhYX`UZhYf`h\Y`'XYUX`]bY`Zcf`UVgc`i hY`ZU]`'`]g`bchUVWYdhYX`UbX`U`a Uf_`cZnYfc`k]```VY`Uk UfXYX Zcf`h\UhUggYgga Ybh`]hYa "

: cf`gca Y`UggYgga Ybh`]hYa gžU``UhY`dYbU`hm`a Umbch`VY`Uddfcdf]UhY"`H\YgY`UfY`WYUf`m`]bX]WUhYX`]b`h\Y Wci fgY`ci h`]bYžUbX`gi W\`UggYgga Ybhg`fYWY]j Y`U`a Uf_`cZnYfc`]Zbch'Wca d`YhYX`Vm`h\Y`gdYW]ZJYX`XUhY" 9I Ua d`Yg`]bWi XY.

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- &" C b`]bY'ei]nnYg'k \YfY'Ubgk Yfg'UfY'fY`YUgYX'hc'ghi XYbhg'cb'Wca d`Yh]cbžcf
- ' " DfcZYgg]cbU``UggYgga YbhHUg_gžk \YfY`h\Y`]bhYbh]cb`]g`hc`WfYUhY`Ub`Ui h\Ybh]WUggYgga YbhH\Uh \Ug`Ub`UVgc`i hY`gi Va`]gg]cb`XUhYžcf
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D`YUgY`j]g]ha ml BGK `Zcf`Dfcj]g]cbU``9I Ua]bUh]cb`h]a YHUV`Y`di V`]g\`XUhYg'': cf`Z fh\Yf`]bZcfa Uh]cb`cb YI Ua gžd`YUgY`gYY`h\Y`<u>9I Ua g</u>`k YVdU[Y''

GdYWJU``7cbg]XYfUh]cb

Zmci `\Uj Y`YI dYf]YbWYX`Ub`]``bYgg`cf`a]gUXj Ybhi fY`VYmcbX`mci f`Wcbhfc``h\Uhik]```]bhYfZYfY`k]h\`mci f

UggYgga YbhidYfZcfa UbWYžmci 'UfY'Y`][]V`Y`hc'Udd`m'Zcf`GdYWJU``7cbg]XYfUhJcb'df]cf`hc`gi Va]hhJb['Ub UggYgga Ybhicf`g]hhJb['Ub'YI Ua "

IBGK 'bck '\Ug'U'<u>|hhc'G]h#GiVa]hfi Y</u>žk\]W\'aYUbg'h\Uh]Zmci 'UhhYadhUb'YIUa 'cf'giVa]hU'd]YWY'cZ UggYggaYbhžmci 'UfY'XYWUf]b['mci fgY`ZZ]hYbci [\'hc'Xc'gc'UbX'WUbbch`UhYf'Udd`mZcf'GdYW]U` 7 cbg]XYfUh]cb"

: cf`XYHJ]`g`cZUdd`m]b['Zcf`GdYW]U``7 cbg]XYfUH]cb`UbX`WcbX]H]cbg`Zcf`H\Y`Uk UfX`cZgi dd`Ya YbHUfm UggYgga Ybhž'd`YUgY`gYY`H\Y`]bZcfa UH]cb`cb`L BGK **'**g`<u>GdYW]U``7 cbg]XYfUH]cb`dU[Y</u>"

D`YUgY'bchY'h\Uhigh XYbhg'k]``bch'VY'fYei]fYX'hc'dfcj]XY'UbmXcW'a YbhUfm'Yj]XYbW'hc gi ddcfh'UVgYbW'g'Zfca 'Ubm'WUggYg'a]ggYX'VYWUi gY'cZ'7CJ=8!% 'di V`]W\YU'h\'a YUgi fYg'gi W\'Ug]gc`Uh]cb"'I BGK 'k]``bch'VY']bg]gh]b['cb'a YX]WU`'W'fh]Z]WUh'g'Zfca 'UbmcbY'XYYa YX'hc'VY'U'dcg]h]jY'WUgYź cf'k\Yb'h\Ym'\Uj Y'fYWcj YfYX"'Gi W\'W'fh]Z]WUh'g'UfY'X]Z]W'hhc'cVhU]b'UbX'di hUb'i bbYW'ggUfmghfU]b'cb gh XYbhg'UbX'a YX]WU`'ghUZ''

5dd`]WUh]cbg'Zcf'gdYW]U``Wcbg]XYfUh]cb'k]``VY'fYei]fYX'Zcf'UggYggaYbhUbX'dUfh]W]dUh]cb'UVgYbWYg'-Vi hbc'XcW a YbhUfmYj]XYbWY'Zcf'7CJ=8'% ']``bYgg'cf']gc`Uh]cb'k]``VY'fYei]fYX']b'H' "

5WUXYa]W=bZcfaUh]cb

7 fYX]hdc]bhg

7 ci fgY`WfYX]hi]g`WU`W``UhYX`]b`I b]hg!CZ7fYX]hfI C7Ł"`H\Y`bcfa U``k cf_`cUX`YI dYWfUh]cb`Zcf`cbY`I C7]g`UddfcI]a UhY`m&) `\ci fg`dYf`hYfa "`H\]g`]bWi XYg`WUgg`WcbhUWh`\ci fgž`df]j UhY`ghi Xmž`ch\Yf``YUfb]b[UWh]j]h]Ygž`dfYdUfUh]cb`UbX`h]a Y`gdYbh`cb`U```UggYggUV`Y`k cf_"

A cghWci fgYk cf_'Wci fgYg'Uhl BGK 'UfY'*'I C 7 'UbX']bj c`j Y'Ub'Ygh]a UhYX'%) \$'\ci fg'hc'Wca d`YhY''9UWk Wci fgY']bWi XYg'U'dfYgWf]VYX'bi a VYf'cZ\ci fg'dYf'k YY_'fk & Ł'cZgWkYXi `YX'ZJWY!hc!ZJWY'UbX&f'cb`]bY WcbhUWf''5bmUXX]h]cbU``h]a Y'VYmcbX'h\Y'dfYgWf]VYX'WcbHUWh\ci fg'g\ci `X'VY'gdYbh]b'a U_]b['gi fY'h\Uh mci 'i bXYfghUbX'h\Y'`YWfi fY'a UhYf]U`ž'Wca d`Yh]b['h\Y'gYhUgg][ba Ybhgž'Z fh\Yf'fYUX]b[ž'UbX'fYj]g]b['Zcf UbmYI Ua]bUh]cbg''

Cb!WUa di g'WUgg'UHHYbXUbWY

Di V`]WX]gHUbV]b[`WcbX]h]cbg'a i ghVY`Zc``ck YX`Zcf'U```H' `ZUWY!hc!ZUWY`WUggYg"`Hc`Ybgi fY`h\]gž'cb`m ghi XYbhg`Ybfc``YX`]b`h\cgY`WUggYg'k]``VY`U``ck YX`]b`h\Y`fcca "`7`Ugg`fcgHYfg'k]``VY`UHUVXYX`hc WcffYgdcbX]b[`fcca g`UbX`W]fW``UHYX`Ua cb[``UV`XYa cbgHUhcfg"`Bc`cj Yf!Ybfc`a Ybh]g`U``ck YX`]b`ZUWY!hc! ZUWY`WUgg"`Ghi XYbhg`Ybfc``YX`]b`cb`]bY`WUggYg`WUb`gk Ud`h\Y]f`Ybfc`a YbhZca `cb`]bY`hc`ch\Yf`UXX]h]cbU`ž` Vi h``]a]hYXž'bi a VYf`cZcb!WUa di g`WUggYg`VmGi bXUmž'K YY_`%`'D`YUgY`fYZf`hc`mci f`Wci fgYfg`A]WfcgcZn HYUa g`UbX`A ccX`Y`g]hYg`Zcf`a cfY`]bZcfa Uh]cb`UVci h`WUgg`UhhYbXUbWY`Zcf`]b!dYfgcb`UbX`cb`]bY`WUgg gYWf]cbg#UWf]]]h]Yg"

Mci f`\YU'h\'UbX'h\Y'\YU'h\'cZh\cgY']b'mci f'WUgg']g'Wf]h]WU``m]a dcfhUbh''Mci 'a i ghghUmUh\ca Y']Zmci 'UfY g]W_icf`\Uj Y'VYYb'UXj]gYX'hc'gY`Z]gc`UhY'Vm<u>BGK_'\YU'h\</u>'cf'[cj Yfba YbhUi h\cf]h]Yg''7 i ffYbhU'Yfhg'UbX'U `]ghcZ\chgdchg'WUb'VY'Zci bX'<u>\YfY</u>'''Mci 'k]``bch'VY'dYbU`]gYX'Zcf`a]gg]b['U'ZUWY!hc!ZUW'UWh]j]hmXi Y hc']``bYgg'cf'U'fYei]fYa Ybh'hc'gY`Z]gc`UhY'''K Y'k]``k cf_'k]h\'mci 'hc'Ybgi fY'Wcbh]bi]hmcZ`YUfb]b['Xi f]b[mci f']gc`Uh]cb'UbX'\Uj Y'd`Ubg']b'd`UVY'Zcf'mci 'hc'WUhW'i d'cb'UbmWcbh/bhcf''YUfb]b['UVh]j]h]Yg'mci 'a Um a]gg'''K \YfY'h\]g'a][\hbch'VY'dcgg]V'Yž'Ub'Udd`]WUh]cb'Zcf'ZYY'fYa]gg]cb'a UmVY'X]gW ggYX''': i fh\Yf]bZcfa Uh]cb']g'Uj U]`UVY'cb'UbmWci fgY'A ccX'Y'cf'HYUa g'g]hY''

=b`WfftU]b`WUggfcca`UbX``UVcfUtcfmig]hiUh]cbg`k \YfY`%')`a YffYg`d\mg]WU`X]gtUbW]b[`WUbbch'VY a U]btU]bYX`cf`th\YfY`]g`U`\][\`f]g_`th\Uh]hWUbbch'VY`a U]btU]bYXž`ZUWf`a Ug_g`k]``VY`Wcbg]XYfYX`a UbXUtcfm DD9`Zcf`ghiXYbhg`UbX`gtUZ'

: cf`a cfY`]bZcfa Uh]cbž'd`YUgY`fYZYf`hc`h\Y : 5E g.`<u>\hndg.#k k k "Wcj]X!% "i bgk "YXi "Ui #gUZY!fYhi fb!WUa di g!ZUeg</u>

Ch\Yf`A UHYfg

; i]XY`]bYg

5^{°°}ghi XYbhgʻUfYʻYl dYWYX'hcʻfYUXʻUbXʻVYʻZJa]`]Ufʻk]h\ʻI BGK [i]XY`]bYgʻUbXʻdc`]WYg"ʻ=bʻdUfh]Wʻ`Ufž ghi XYbhgʻg\ci `XʻVYʻZJa]`]Ufʻk]h\ʻh\YʻZc``ck]b[.

- <u>5 HY bXUbW</u>
- <u>I BGK '9a U]`'5XXfYgg</u>
- <u>GdYWU``7cbg]XYfUhcb</u>
- <u>91 Ua g</u>

- <u>5ddfcj YX 7 U W Uhcfg</u>
- <u>5WUXYa]W<cbYghmUbX`D`U[]Uf]ga</u>
- adcfHJbh@]b_g
 - <u>A ccX`Y</u>
 - <u>@UV`5\WWgg</u>
 - <u>< YU`h\ 'UbX'GUZYhm</u>
 - <u>7 ca di hb[: UW)hyg</u>
 - <u>Ghi XYbhF Ygci fWg</u>
 - <u>7 ci fgY Ci h]bYg</u>
 - <u>9b[]bYYf]b['Gh XYbhGi ddcfhGYfj]Wfg'7YbffY</u>
 - <u>A U YfgdUW</u>
 - <u>I BGK H]a YHUVY</u>
 - <u>| BGK '<UbXVcc</u>
 - I BGK A YWUDJWUMUMUKA Ubi ZUWA f]b['9b[]bYYf]b[_
 - <u>9ei]HUV`Y`@YUfb]b['GYfj]Wfg</u>

⊨a U[Y[·]7fYX]h

D]WhifYgcZh\Y`IBGK `9b[]bY`FYgYUfW\`@UVcfUhcfmZJWj]h]Yg

7F=7CG