

# ENGG2500

: i ]X'A YW Ub]Wg'Zcf'9b[ ]bYYfg

HYfa %7 &\$&&

7ci fgY`Cj Yfj ]Yk

GhJZ`7cbHJW`8YHJ]`g

7cbj Ybcfg

BUa Y	9a Uj`	5j U]`UV]`]m	@cWJh]cb	D\cbY
GHYZJb: Y`XYf	<a href="#">g"Z`XYf4 i bgk "YXi "Ui</a>	VmUddc]bha Ybh	I BGK `K UHf F YgYUfW	

## 7ci fgY'8YHJ]`g

I b]hg'cZ7fYX]h\*`

Gi a a UfmcZ\hY'7ci fgY

H\Y'cV'YWj]Y'cZ9B; ; &)\$ \$]g'hc' ]b]fcXi W' Yb[ ]bYf]b[ 'ghi XYbhg'hc'h\Y'df]bW]d'Yg'cZZi ]X'a YWU]b]Mg"  
 Hcd]Mg'X]gW'ggYX' ]bW] XY: 'i ]X'dfcdYfh]Yg"< nXfcgU]Wg" '6i cU]bW]d'fYggi fYg' ]b'Zi ]X'gmgh'a g" Df]bW]d'Yg  
 cZa Ugg'W'cbgYf] U]cb"GHYUXmZck 'YbYf[ m'Yei U]cbg": 'ck'a YUgi fYa Ybh': cfW'g'UbX'a ca Ybh'a ' ]b  
 Zck ]b[ 'Zi ]Xg" '8]a Ybg]cbU'UbU'mg]g'z]g]a ]Uf]m]UbX'd\mg]W]a cXY" ]b[ "'D]dY'Zck "'bW'a dfYgg]V'Y'Ua ]bUf  
 UbX'hi fVi 'YbhZck ' ]b'd]dYg/ ]W]cb'ZUW'c' '9Ya YbhUfmVci bXUfm'UmYf'Zck /g\_]b' ]W]cb'UbX'XfU[ "'Di a dg  
 UbX'hi fV]bYg" 'Di a d'UbX'd]dY' ]b'Y'gmgh'a 'WUfUW]f]gh]Wg"

## 7ci fgY'5]a g

H\Y'cV'YWj]Yg'cZ\h]g'W'ci fgY'UfY'hc.

! 'b]fcXi W' ]gh' XYbhg'hc'h\Y'dfU]W]W'cZk UHf'Yb[ ]bYf]b[ 'UbX'Zi ]X'a YWU]b]Mg"  
 ! 'b]fcXi W' ]gh' XYbhg'hc'h\Y'hYcfm]cZk c'ei ]H'X]ZYfYbhgh'UXmZck g. W'cgYX'W'cbXi ]hcf'd]dY'Zck 'f]Y"  
 dfYggi f]gYX'Zck E'UbX'Vf]YZm'hc' ]Y'Y'gi fZUW'Zck 'f]Y" Zck g'k \Yf' h\Y'k UHf'gi fZUW' ]g'gi V'YW]hc  
 U]a cgd\Yf]WdfYggi fY' "  
 ! ; ]Y'gh' XYbhg'Ub'i bXYfgh]UbX]b[ 'cZ\hY'dfcdYfh]Yg'cZZi ]Xg'za Ubca Yf]n'z'\nXfcgU]Wg'z'h\Y'df]bW]d'Yg'cZ  
 a Ugg'UbX'YbYf[ m'W'cbgYf] U]cb'z'h\Y'z'cfW'g'UbX'a ca Ybh'a ' ]b'Zck ]b[ 'Zi ]Xg'z'Zck ' ]b'd]dYg'z'Ua ]bUf'UbX  
 hi fVi 'YbhZck "  
 ! '9bUV'Y'gh' XYbhg'hc'Udd'm]h\Y'Z' bXUa YbhU'df]bW]d'Yg'cZa Ugg'W'cbgYf] U]cb'z'YbYf[ m'W'cbgYf] U]cb'UbX  
 h\Y'a ca Ybh'a 'Yei U]cb'hc'h\Y'UbU'mg]g'cZ'Zck g' ]b'X]ZYfYbhg]W]bUf]cg"  
 ! '9bUV'Y'gh' XYbhg'hc'W]ffm]ci h]U'X]a Ybg]cbU'UbU'mg]g'UbX'W]ffm]ci h\Y'gW] ]b[ 'Z'f'U'd\mg]W]a cXY"  
 ! '9bUV'Y'gh' XYbhg'hc'a U\_Y'Yg]h]a UH'g'cZVci bXUfm'UmYf'h]W]bYgg'UbX'j Y'cW]h]Yg'c] Yf'ZUhd'U]h'g'z'UbX'hc  
 Yg]h]a UH'h\Y'z'cfW'g'cb'&8'UbX' '8'VcX]Yg' ]b'gi Va Yf[ YX'Zck g"  
 ! '9bUV'Y'gh' XYbhg'hc'ei Ub]h]Zmid]dY' ]W]cb'cggYg'UbX'hc' ]b]fcXi W' ]m]ci 'hc'gca Y'cZ\hY'UggcW]U]h'X'fYU' ]Z'  
 dfcV'Ya g'cZd]dY'Zck 'W]W' U]cbg"

## 7ci fgY'@YUfb]b[ 'Ci hW'a Yg

5Zf'gi W]W'ggZ 'm'W'a d'Y]b[ 'h]g'W'ci fgY'z'm]ci 'g\ci 'X'VY'UV'Y'hc.

@YUfb]b[ 'Ci hW'a Y	95'GHU[ Y'%7ca dYHbW]Yg
%'6Y'UV'Y'hc'YI'd]U]b'UbX'Udd'm]h\Y'VUg]WdfcdYfh]Yg'cZZi ]Xg'UbX \ck'h\YgY'fY'U]h'hc'Zi ]X'Zck "	D9%"%žD9%"&žD9%"&%"%žD9%"&
&"6Y'UV'Y'hc'YI'd]U]b'h\Y'Z' bXUa YbhU'df]bW]d'Yg'cZZi ]X'Zck ' ]b d]dYg'UbX' ]Y'Y'gi fZUW'Zck g' ]n'W'cb]bi ]m'z'a ca Ybh'a 'UbX YbYf[ m'z'UbX'_bck 'hc'k \U]g]h] U]cbg'h\YgY'df]bW]d'Yg'W]b'VY Udd']YX"	D9%"%žD9%"&žD9%"&%"%žD9%"&
' "'6Y'UV'Y'hc'UggYgg'YbYf[ m'cggYg' ]b'd]dYg'Xi Y'hc' ]W]cb'UbX j Uf]ci g'd]dY'Z]h]b[ g"	D9%"%žD9%"&žD9%"&%"%žD9%"&
(' "6Y'UV'Y'hc'YI'd]U]b'UbX'XYgW]VY'h\Y'W'cbX]h]cbg'z'cf'Zck g' ]b d]dYg'i bXYf'k \]W'j Uf]ci g'Zck 'fY[ ]a Yg'k ]'cW]W'f'f]k'Ua ]bUf'UbX hi fVi 'YbhZck g'z'f]k'hi fVi 'YbhZck g'k \]W'UfY'\nXfUi ' ]W]'m]fci [ \	D9%"%žD9%"&žD9%"&%"%žD9%"&

@YUfb]b[ `Ci hMca Y	95 `GHJ[ Y`%7ca dYhYbWYg

# 5ggYgga Ybh

FZWX S^YdSVWXdFZ[e UagdeWi [^ ad\_S^k TWTSeW a` fZWeg\_ aXfZWeUadMe Xa\_ WsUZ aXfZW  
 SeeWee\_W fFSe]eZHY: ]bU`9I Ua ]g`k cft`\*\$i` cZmci f: ]bU`A Uf\_]ZWUgg`k cf\_]g`]bWi XYX`UbX`%\$i` ]Z  
 ma if fWUgg`k cf\_]g`]bWi XYX"

FZwuSee i ad] [e i adZ &" . aXfZW8[ S^? Sd] [X[ UgVWz5`a Uf\_cZUh`YUgh( \$i` ]b`hY`Z]bU`YI Ua ]bU]cb  
 ]g`fYeI ]fYX`VYzcfY`hY`WUgg`k cf\_]fC b`]bY`ei ]nnYg`UbX`UV`WUgg`UggYgga Ybh]g` ]g`]bWi XYX`]b`hY`Z]bU`  
 a Uf\_]`hY`Zcfa U`YI Ua ]gW]d]g`k ]`bchVY`fYh`fbYX`Vi hmcI`UfY`dYfa ]hYX`hc`j ]Yk`hY`a Uf\_YX`gW]d]h`

@afW FZW`WUfgdWdWchWe fZWdYzf fa SV`gef fZWX S^eUadMe Tk eUS` Y [XSYdWW Tk fZW: WSV aX  
 E UZaaž

E fgVW fe i Za bWad\_ baadk [ fZWcg[U] cg[| I We S` V i ad] eZabe SdWdWa\_\_ W VW fa V[eUgee bdaYdMe  
 i [fZ fZW`WUfgdWdVgd` Y fZWfWd\_ž

5ggYgga YbhUg_	K Y][ \h	8i Y`8UhY	7ci fgY`@YUfb]b[ Ci hMa Yg`5ggYggYX
%": ]bU`9I Ua ]bU]cb	* \$i	Bch5dd`]WUVY	%ž&ž' ž(ž) ž*
&"@UV`WUgg`UbX`dcghUV cb`]bY`UggYgga Ybhg	&(i	K YY_g" ž) ž	%ž&ž' ž(ž) ž+
' "'C b`]bY`E i ]nnYg	%*i		%ž&ž' ž(ž) ž*

5ggYgga Ybh% : ]bU`9I Ua ]bU]cb



5XX]h]cbU`XYHJ]g

&`C b`]bY`E i ]nnYg`k ]`VY`Wca d`YH`X`cb`h`Y`A ccX`Y`Wci fgY`dU[Y`H`Ymk ]`UW`ci bhZcf, i `cZ`h`Y`Wci fgY`a Uf`\_`YUWX`UbX`k ]`h`U`\_`Y`d`UW`.

E i ]n`%`K`YY`\_) /H\i fgXUm%+h`A UfWX`Zfca`\*.`\$!, .`\$`da`Zcf`U`&`\ci fg`Xi fU]cb"

E i ]n`&.`K`YY`\_`%\$/H\i fgXUm&%gh5df]`Zfca`\*.`\$!, .`\$`da`Zcf`U`&`\ci fg`Xi fU]cb"

C`h`Yf`UggYgga`Ybh]bZcfa`U]cb.

8U`h`cZa`Uf`\_`g`fYh`fbYX.`(,` \fg`U`Z`h`f`WcgY`cZC`b`]bY`E`i`]n`

DYbU`mZcf`U`h`gi`Va`]gg]cb.)`i`dYf`XUm`

:`cf`Z`f`h`Yf`XYHJ]g`d`YUgY`gYY`h`Y`A`ccX`Y`Wci`fgY`i`bXYf`HUV`C`b`]bY`E`i`]nnYg`"

# 5 hYbXUbW`F Yei ]fYa YbHg

Gh XYbHg`UFY`gfcB[ `mYbWci fU[ YX`tc`UthYbX`U`WUggYg`UbX`fYj`Yk`YWth`fY`fYWcfX]b[ g"

## 7 ci fgY`GW`YXi`Y`

[J`Yk`WUgg`ha`YhUV`Y`](#)

H]a`YhUV`Y`

8UhY	HmdY	7cbhYbh
C!K`YY_`+`:`YVfi`Ufm! %%`:`YVfi`Ufm	DfYgYbHjcb	<p>K`Y`Wca`Y`J`]XYc`</p> <p>⊖`C!k`YY_`k`Yfi`dfcj`]XY`mci`k`]h`U`[`YbYfU` k`Y`Wca`Y`j`]XYc`UbX`k`U`_`h`fci`[`\`c`Z`h`Y` 9B;`:`&amp;)`\$\$`Wci`fgY`"H\]g`k`]"`]bW`XY`[`c]b[`c]j`Yf` h`Y`UggYgga`Ybhgfi`W`fYz`UVgzk`cf_g`l`cdgz`Z`Y`X` f]d`UbX`Yl`dYVWUjcbg`c`Z`h`Y`Wci`fgY`"K`Y`k`]"`U`gc` k`U`_`mci`h`fci`[`\`h`Y`A`ccX`Y`Wci`fgY`dU[`Y`"</p>
K`YY_`%`%(`:`YVfi`Ufm! %`:`YVfi`Ufm	@YWth`fY`	<p>⊖`K`YY_`%`k`Y`ghUfh[`Yth]b[`]bhc`h`Y`VUg]Wg`c`Zk`U`h` ]g`U`Zi`]X`UbX`k`l`m`Ug`9b[`]bYfYfgz`]h]g`ca`Y`h]b[` k`Y`a`i`ghWcbg]XYf`]b`ci`f`XYg][`b`"K`Yfi`h`Y`b`ghUfhc` `cc_`Uh`h`Y`Z]fghcZ(`h`cd]Wg`Wcj`YfYX`Vm5`#`D`fcZ` Gd`]b`Y`f`]b`h`Y`Z]fgh`U`Z`c`Z`h`]g`Wci`fgY`fk`YY_g`%(`Lz` &lt;`mXfcghUj]Wg`!`k`l]W`]g`h`Y`Z`cfW`g`Yl`YfYX`VmZi`]Xg` UhYgh`"</p> <p>A`cbXUm%(`:`YV.`:`i`]X`D`fcdYfh]Yg`</p> <p>Hi`YgXUm%(`:`YV.`&lt;`mXfcghUj]Wg`</p>
K`cf_g`l`cd`	K`cf_g`l`cd`	<p>K`cf_g`l`cd`"cWUjcb`UbX`h]a`Y`Ug`dYf`mci`f` Ybfc`"a`Ybh`"</p> <p>Mci`f`XYa`cbgfUhc`f`h`]g`k`YY_`k`]"`[`i`]XY`mci`]b` mci`f`k`cf_g`l`cd`k`l]W`Wcj`Yfg`:`i`]X`D`fcdYfh]Yg`UbX` &lt;`mXfcghUj]Wg`"</p>
C`b`]b`Y`5`Wj`]m`		<p>Mci`f`dfY!`UV`Z`cf`h`Y`&lt;`mXfcghUj]Wg`"UV`k`]"`cdYb`h`]g` k`YY_`cb`A`cbXUmZ`f`mci`h`c`k`cf_`h`fci`[`\`"</p> <p>HYghmci`f`g_]`g`]b`h`Y`:`i`]X`A`Y`W`Ub]Wg`D`f`U`W`h]W` E`i`Ygh]cbg`]b`A`ccX`Y`Z`cf`k`YY_`%`"</p> <p>E`\$`%`8]a`Ybg]cbg`</p> <p>E`\$`&amp;:`:`i`]X`D`fcdYfh]Yg`!`VUg]Wi`bXYfghUbX]b[`</p> <p>E`\$`'`:`i`]X`D`fcdYfh]Yg`!`bi`a`Yf]Wj`"</p>







		<p>hY`UVg"</p> <p>D`YUgY`gYY`A ccX`Y`Zcf`Z fhYf`XYHJ]g"</p>
	C b`]bY`5Wj] ]m	<p>HYghmci f`g_]`g`]b`hY`:` i ]X`A YWUbjWg`DfUWjWY` E i Yghcbg`]b`A ccX`Y`Zcf`k YY`_(`</p> <p>E %%A ca Ybh a `9ei U]cb</p>
	5ggYgga Ybh	<p>DfY`UV`!`@UV`&amp;`:` `ck` `a` YHf`</p> <p>8I` 9.`K` YXbYgXUm-` `A` UfW``%\$Ua`</p> <p>K` Y][` \]b[`.`(`(`i` `cZWci` fgY`[` fUXY`</p> <p>HmdY.` `A` ccX`Y`E` i` ]n`</p> <p>.</p> <p>GYY`A` ccX`Y`Zcf`Z` fhYf`XYHJ]g`</p>
h`k`YY`_`]	ZhVY`gY`W%`XA`UfW`Z`hY``Wci`@`gWk`fY` A`UfW`	<p>h`k`YY`_`)` ZhY`gY`W`bX`\\U`Zc`ZH`Y`W`ci` fgY`k` ]` W`a` a` YbW`k` ]h` `U`W`U`b`[` Y`c`Z`Y`W`i` fY`f`r`c` `8`f`G`H`Y`Z`b` :` Y`X`Y`f`" `H`Y`g`Y`W`b`X`\\U`Z`k` ]`" ]b`f`c`X`i` W`g`Y`j` Y`f`U` b`Y`k` `W`b`W`d`h`g`k` \]W` `U`f`Y` `V`U`g`Y`X`i` d`c`b`h`Y`W`b`h`Y`b`h` c`Z`h`Y` `Z`f`g`h`\\U`Z`c`Z`h`Y`W`ci` fgY`" `h`g`h`U`f`g`k` ]h` `U`b` ]b`f`c`X`i` W]c`b`]b`c`d`d`Y`Z`c`k`g`" `H`Y`W`b`h`Y`b`h`c`Z`k` YY`_` )` `k` ]`" `V`Y` \] [ ` \`m`i`f`Y` `Y`j` `U`b`h`Z`c`f`m`c`i` f`" `d`d`Y`Z`c`k` " `U`V` W`U`g`g` ]b` `K` YY`_`+"`</p> <p>A`cb`X`U`m`%(` h` `A` U`f`W`.` `D`]d`Y`Z`c`k` ` %`</p> <p>Hi` Y`g`X`U`m`%` h` `A` U`f`W`.` `D`]d`Y`Z`c`k` `&amp;`</p>
	K`cf`_`g`\\`cd`	<p>K`cf`_`g`\\`cd`" `c`W`U`h]`c`b` `U`b`X` `h`j`a` Y`U`g`d`Y`f`m`c`i` f` Y`b`f`c`" `a` Y`b`h`"</p> <p>M`c`i` f`X`Y`a` c`b`g`h`f`U`r`c`f`h`]`g`k` YY`_`k` ]`" [ `i` ]X`Y`m`c`i` `]b` m`c`i` f`k`cf`_`g`\\`cd`k` \]W` `W`c`j` Y`f`g`A` ca` Y`b`h` a` `&amp;/` `D`]d`Y`</p>

		Hm dY. 'A ccX'Y'E i ]n GYY'A ccX'Y'Zc'Z fH\Yf'XYU]g
5ggYgga Ybh	E i ]n'% H\Y'ei ]n'k ]''fi b'Zc'f'&\fg'fH\i fgXUmiA UfW' %+ž *.' \$!, .' \$da E'' H\Y'ei ]n'k ]''VY'UXa ]b]ghYfYX'cb']bY'j ]U'A ccX'Y'' K Y] [\h]b[ .', i 'cZVci fgY' [ fUXY''	
K YY_ '*.' &%A UfW' !' &) A UfW'	F YUX]b[	Bc ''YWñ fYg'UbX'k cf_g\cdg]b'K YY_ '*''2'l gY'h]g k YY_ 'hc' dfUWñW' UbX'WñWñ!i d'k ]h' h\Y'Wci fgY WcbhY'bh'
K YY_ '+. '&, 'A UfW' !' % 5df]	@YWñ fY	þ'k YY_ '+ž'k Y'Wcb]bi Y'k ]h' d]dY'Zck 'WcbW'dhg'' H\Y''YWñ fYg'k ]''j]bW' XY'a UbmYI Ua d'Yg'k \]W k ]''\Y'd'mci 'hc'i bXYfghUbX'h\Y'Z bXUa YbhU' WcbW'dhg''K Y'k ]''U'gc'ghUfhk ]h' U'bYk 'hc]W '8]a Ybg]cbU'5bU'mg]g''k \]W'k ]''VY'U'i gY'Z `' WcbW'dhZc'f'a UbmYb[ ]bYf]b[ 'Wci fgYg'Xi f]b[ mci f'XY[ fYY'' A cbXUm&, 'A UfW'. D]dY'Zck '' Hi YgXUm&- 'A UfW'. '8]a Ybg]cbU'5bU'mg]g'%
	K cf_g\cd	K cf_g\cd''cWñ]cb'UbX'h]a Y'Ug'dYf'mci f Ybfc''a Ybh' Mci f'XYa cbgfh'hc'f'h]g:k YY_'k ]''[ i ]X'Y'mci ]b mci f'k cf_g\cd'k \]W'Wci Yfg'D]dY'Zck / '8]a Ybg]cbU'UbU'mg]
	C b']bY'5Wñ] ]m	Mci f'dfY!'UV'Zc'f'h\Y'd]dY'Zck ''UV'k ]''cdYb'h]g k YY_'cb'A cbXUmZc'f'mci 'hc'k cf_'h'fci [ \ HYgh'mci f'g_]`g]b'h\Y': 'i ]X'A YWU'Ub]Wg'DfUWñW E i Ygh'cbg]b'A ccX'Y'Zc'f'k YY_+' E %('D]dY'Zck '!''cWñ''cggYg E %) 'D]dY'Zck '!''Udd']Wñ]cbg E %* '8]a Ybg]cbU'UbU'mg]g!'VUg]Wg
K YY_ ; . '( '5df]'! ; '5df]	@YWñ fY	þ'k YY_ ; ž'k Y'k ]''Wcb]bi Y'k ]h' '8]a Ybg]cbU' 5bU'mg]g'UbX']hg'i gY' ]b'Zi ]X'a YWU'Ub]Wg Udd']Wñ]cbg''K Y'k ]''Wci Yf'h\Y'hc]Wcb''D\mg]WU' a cXY''b[ ''k \]W'a U_Yg'i gY'cZX]a Ybg]cbU' UbU'mg]g'UbX'k ]''ghUfhk ]h' UgdYWñ]cb'Vci bXUfm

		<p>`UmYfg"</p> <p>A cbXUm( '5df]. '8 ja Ybg]cbU`'5bU`mg]g'&amp;/' D\mg]WU`'A cXY`"]b[ '%</p> <p>Hi YgXUm) '5df]. 'D\mg]WU`'a cXY`g'&amp;/' '6ci bXUfm @UmYfg</p>
K cf_g\cd		<p>K cf_g\cd`cWU]cb`UbX`hja Y`Ug`dYf`mci f Ybfc``a Ybh'</p> <p>Mci f`XYa cbg]fUhc`f`h.]g`k YY_`k ]``[ i ]XY`mci `]b mci f`k cf_g\cd`k \]W\`Wcj Yfg`8 ja Ybg]cbU` UbU`mg]g`/ 'D\mg]WU`'a cXY`g</p>
Hi h@UV		<p>@UVcfUhc`fmWUgg`cb`D]dY`Zck ``'8UhY`UbX`H]a Y`Ug dYf`mci f`Ybfc``a Ybh'</p> <p>H\Y`UV`cZZYfg`Ub`cddcf]i b]m]Zcf`ghi XYb]g`hc Yb\UbW`h.Y]f`YUfb]b[ `j ]U`UbXg`cb`YI dYf]YbW`]b h.Y`UVg"</p> <p>D`YUgY`gYY`A ccX`Y`Zcf`Z fh.Yf`XYfU]`g"</p>
C b`]bY`5W]j ]m		<p>HYghmci f`g_]`g`]b`h.Y`:`i ]X`A YWU`b]Wg`DfUW]WV E i Yg]cbg`]b`A ccX`Y`Zcf`k YY_`,`</p> <p>E %+`8 ja Ybg]cbU`'5bU`mg]g`!`Udd`]WU]cbg</p> <p>E % `D\mg]WU`'A cXY`"]b[</p>
5ggYgga Ybh		<p>DfY`UV`!`@UV`` `D]dY`:``ck</p> <p>8I 9.`K YXbYgXUm*`'5df]`%\$Ua</p> <p>K Y][`h]b[.`.`(i`cZWci fgY`[ fUXY</p> <p>HmdY.`A ccX`Y`E i ]n</p> <p>.</p> <p>GYY`A ccX`Y`Zcf`Z fh.Yf`XYfU]`g</p>
K YY_`-.`%`5df]`!`%` 5df]	@YWi fY	<p>h`k YY_`-`z`k Y`k ]``Wcb]bi Y`hc`YUfb`UVci h Vci bXUfm`UmYfg`]bW`X]b[ `h.Y`WU`W`U]cb`cZ Z]W]cb`ZcfW`g``h`ci f`Hi YgXUm`YWi fY`z`k Y`k ]`` Z]b]g\`h.Y`Wci fgY`k ]h`h.Y`hcd]Wcb`XfU[ `ZcfW`g`z ]Y``ZcfW`g`cb`V`i ZZVcX]Yg`YI dcgYX`hc`Zi ]Xg`]b a`ch]cb"</p> <p>A cbXUm%%`5df]. `6ci bXUfm@UmYfg</p>

		Hi YgXUm%&'5df]:'8FU[ ': cfW
K cf_g\cd		K cf_g\cd`cWU]cb`UbX`hja Y`Ug`dYf`mci f Ybfc``a Ybh'  Mci f`XYa cbgfhUc`f`h.]g:k YY_`k ]``[ i ]XY`mci `]b mci f`k cf_g\cd`k \]W`Wc] Yfg`D\mg]WU`a cXY`g`&/ 6ci bXUfm`UmYfg
C b`]bY`5W]j ]m		HYghmci f`g_]`g`]b`h.Y: `i ]X`A YW`Ub]Wg`DfUW]W E i Ygh]cbg`]b`A ccX`Y`Zc`f`k YY_`-  E %-`6ci bXUfm@UmYfg# f]W]cb: cfWg  E &\$`8FU[ ': cfW
5ggYgga Ybh		DcgH`UV`!`@UV" `D]dY: `ck  8I `9.`A cbXUm%%5df]ž) da "  K Y][`h]b[. `(i `cZWci fgY`[ fUXY  HmdY.`A ccX`Y`E i ]n  GYY`A ccX`Y`Zc`f`Z fh`Yf`XY]g
K YY_`%\$.`% `5df]`!`&& 5df]	@W]i fY	h`h`Y`Z]bU`Y`W]i fY`cZH`Y`Wci fgY`fHi YgXUm`cZ K YY_`%\$Z`k`Y`k ]``\Uj Y`U`E / 5`gYgg]cb`]b`k \]W ? f]ghYb`UbX`GHZ]b`k ]``Ubgk Yf`Ubmci Ygh]cbg`mci a Um\Uj Y"  A cbXUm% `5df]`!2`Di V`]W<c`]XUm`fbc`Y`W]i fYŁ`  Hi YgXUm%-`5df]`F Yj ]g]cb`Y`W]i fY
K cf_g\cd		K cf_g\cd`cWU]cb`UbX`hja Y`Ug`dYf`mci f Ybfc``a Ybh'  Mci f`XYa cbgfhUc`f`h.]g:k YY_`k ]``[ i ]XY`mci `]b mci f`k cf_g\cd`k \]W`Wc] Yfg`8FU[ ': cfW
5ggYgga Ybh		E i ]n`&  H\Y`ei ]n`k ]``fi b`Zc`f`&\fg`fH\i fgXUm5df]`&%ž *.`\$!,.`\$da Ł`  H\Y`ei ]n`k ]``VY`UXa ]b]ghYfYX`cb`]bY`j ]U`A ccX`Y`"  K Y][`h]b[. `(i `cZWci fgY`[ fUXY"
: ]Y`Xk cf_		: ]Y`X`hf]d`h`h`Y`I`BGK`K`UHf`F`YgYUfW @UVcfUc`fm

		<p>C b: f]XUm&amp;&amp;:5df]`fk YY_`%\$Ł'gh XYbkg`k ]``\Uj Y h\Y`cddcfh b]mhc`j ]g]h5i gffU`]Ufj`YUX]b[ `K Uhf 9b[ ]bYYf]b[ `ZUW]hYg!`h\Y`K Uhf`F YgYUfW</p>
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k`]h`Ya`VYXXYX`ZYXVUW`"

F YWca`a`YbXYX`F Ygci fWg

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7Yb[ Y`ž`M`5`"U`bX`7]a`VU`Už`>`A`"ž: `i`]X`A`Y`W`Ub]Wg: i`bXUa`Y`b`U`g`/`5`dd`]W]h]cbg`(Y`ž`A`W`fUk`!`<`]ž`&`\$`%`+`ž`  
(`h`Y`X]h]cbž`G`=j`Yfg]cbž`G`6`B`!`%`.`-`+`,`!`%`&`)`-`\*`-`\*`)`(`@`B`G`K` `@]VfUfm`-`)`W`d]YgQ

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