

# HUMS1010

91 dYf]YbW]b[ 'h\Y'GmXbYmiC dYfU' < ci gY

HYfa "Hk c " # "&\$&%

# 7cifgY<sup>·</sup>8YHJ]`g

### 7 fYX]hDc]bhg\*\*\*

### Gi a a UfmcZh\Y'7ci fgY

H\Y'GmXbYmCdYfU'<cigY']gʻcbY'cZh\Y'k cfX'gʻa cghX]ghJbWhJjY'UbX']bghUbhmfYWc[b]gUVY'Vi]`X]b[g"'Nci k]```\UjY'gYYb']hcb'dcghWUfXgžhcif]ghVfcW\ifYgžhY`Yj]g]cb'g\ck gžZ]`a gžgcijYb]fgžUfhk cf\_g'UbX'h\YfY ]g'YjYb'U'\_]hh\UhU``ck gʻmci 'hc'Vi]`X'mcif'jYfmck b'jYfg]cb'cZ]hci hcZ@9; C"'K\Yh\Yf'h\]gʻ]gʻmcif'Z]fgh hJaY']b'GmXbYmcf'mci`\UjY``]jYX'\YfY'U``mcif'`]ZYžh\]g'WcifgY'[]jYgʻmci'h\Y'cddcfhib]mhc``cc\_'Uhh\]g ]Wcb]WVi]`X]b['Zfca'U'fUb['Y'cZX]ZZYfYbhdYfgdYWhJjYg']b'cfXYf'hc'ibXYfgHUbX'UbX'UddfYWJUhY']hUbYk'" H\fci[\'U'gYf]YgʻcZgY`ZdUWYX'kU`\_]b['hcifgžmci'k]``gYY'UbX'YIdYf]YbWf'h\Y'CdYfU'<cigY'h\fci[\ a`i'hJd`Y''YbgYg'''=b'fYgdcbgYžmci'k]``XYjY`cd'Wf]hJWU``fYZYWhJjYfYgdcbgYg'hc'h\YgY'IdYf]YbWfgUbXž]b

# 5ggYgga Ybh

Mci 'k]``\Uj Y`UWWgg'nc'U'df]j UhY`V`c['h\Uh'mci 'WUb'i gY'Ug'U``YUfb]b[''ĉi fbU`"'Mci 'k]``fYWY]j Y'Zcfa Uhjj Y ZYYXVUW\_'cb'Uh``YUghcbY'df]j UhY``YUfb]b[''ĉi fbU``YbIfminc'gi ddcfhih\Y`XYj Y`cda YbhcZmci f`fYZYWf]j Y k f]h]b['g\_]``g"

### 5ggYgga YbhHUg\_g

5ggYgga Ybh'HJg_	K Y][∖h	8iY'8UhY	GhiXYbhi@YUfb]b[ CihWcaYgʻ5ggYggYX
Kf]hhYb'aYhU!fYZYWhJcb'	(\$1	A cb 5i [ &' &\$&%% .\$\$.\$\$ ; А HŽ%\$\$`fБi glfU`]Ub 9Ugh/fb`GlUbXUfX`H]a YŁ	&
DUHWAKcf_`fYZYWAjcb`	*\$I	A cb'GYd'% `&\$&%% .\$\$.\$\$ ; A HŽ%\$\$\$'fБi glfU`]Ub 9UghYfb'GlUbXUfX'H]a YŁ	%ž`&ž'

#### 5ggYgga Ybh8YHJ]`g

#### 5ggYgga Ybh'% K f]HYb'a YHJ!fYZYWh]cb

GHJfhXUhY. A cb 5i [ '%+'&\$&\$'\$-.\$\$.\$\$'; A HŽ%\$\$\$'f5i ghfU`]Ub 9UghYfb GHJbXUfX'H]a YŁ

@Yb[h\.')\$\$!,\$\$\*kcfXg

#### 8YHJ]`g.

) \$\$!, \$\$<sup>\*</sup>k cfXgžXi Y<sup>\*</sup>cb<sup>\*</sup>XUm&<sup>\*</sup>]b<sup>\*</sup>]bhYbg]j Y<sup>\*</sup>a cXY"

5 a Uf\_žk f]hhyb ZYYXVUW\_UbX U fi Vf]Wk ]``VY dfcj ]XYX ]b ' XUmg"'

#### 5XX]h]cbU``XYHJ]`g.

A cfY`]bZcfa Uh]cb`Uj U]`UV`Y`cb`h\Y`A ccX`Y`dU[ Y"

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"

#### 5ggYgga Ybh& DUhWkcf\_fYZYWjcb

GHJfhXUhY. A cb 5i [ '%' '&\$&%'\$-.\$\$.\$\$'; A HŽ%\$\$\$ 'f5i ghfu`]Ub '9UghYfb GHJbXUfX'H]a YŁ

@Yb[h\.\*&\$\$\$\*k cfXg

#### 8YHJ]`g.

&\$\$\$`k cfX`Wf]hjWU``fYZYWfjcbžXi Y`cb`h\Y`A cbXUmUZhYf'h\Y`ZjbU``XUm`]b`]bhYbg]j Y`a cXY"

5 a Uf\_žk f]thYb ZYYXVUW\_UbXU'fi Vf]Wk ]``VY dfcj ]XYX ]b tk c k YY\_g".

#### 5XX]h]cbU``XYHJ]`g.

A cfY`]bZcfa Uh]cb`Uj U]`UV`Y`cb`h\Y`A ccX`Y`dU[ Y"

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"

# 5HYbXUbWYFYei]fYaYbhg

Ghi XYbhgʻUfYʻghfcb[`mYbWci fU[YX`hcʻUhhYbX`U```WUggYgʻUbX`fYj]Yk ``YWhi fY`fYWcfX]b[g"

# 7 ci fgY GWX YXi `Y

## <u>J]Yk WUgg'ha YhJV`Y</u>

## H]a YHJV`Y'

8UhY	Hmd Y	7 c bhYbh
K YY_^% % 5i [i gh! &\$	@YWhi fY	H\fYY`\cifZJVW!hc!ZJVW`WUgg`CF`gY`ZdUVWX
5i [igh		`YUfb]b[ `UWfj ]hm
	FYUX]b[	6Y[]b`fYUX]b[`fYei]fYX`hYIhg"
	<ca cf_<="" td="" yk=""><td></td></ca>	

@YWhi

# FYgci fWg

## DfYgWf]VYX F Ygci fWyg

H\YfY`UfY`fkc`Vcc\_g`f\UhUfY`fYei]fYX`fYUX]b[`Zcf`f\]g`VcifgY"`Mci`UfY`fYei]fYX`fc`difVXUgY`f\YgY`Vcc\_g Y]f\Yf`]b`\UfX`Vcdmicf`Ug`YVcc\_g"

D]hhž<Y`Yb`f&\$% Ł`H\Y`<cigYž'5``Yb`UbX`I bk ]b

# 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]hjbžd'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 YbhgŁhc ]bWi XY'Ug'Yj ]XYbWY hc'gi ddcfhmci 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 VYfžVi 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 'gfUh'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

D`U[]Uf]ga `]g`i g]b[ 'h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b[ 'h\Ya `Ug`mci f`ck b"`=h\WUb`hU\_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b[ 'hc`UWW]XYbhU``mWcdm]b[ 'Zfca `U`gci fWY`k ]h\ci hUW\_bck `YX[ Ya Ybh'

I BGK '[fci dg'd`U[]Uf]ga ']bhc'h\Y'Zc``ck ]b[ 'WUhY[cf]Yg.

7 cdm]b[.'i g]b['h\Y'gUa Y'cf'j Yfmg]a ]`Uf'k cfXg'hc'h\Y'cf][]bU`'hYI hcf']XYU'k ]h\ci hUW\_bck `YX[]b['h\Y gci fWY'cf'i g]b['ei chUh]cb'a Uf\_g"'H\]g'U`gc'Udd`]Yg'hc']a U[Ygž'Ufh'UbX'XYg][b'dfc'YWhgž'Ug'k Y``'Ug dfYgYbhUh]cbg'k \YfY'gca YcbY'dfYgYbhg'Ubch\Yf'g']XYUg'cf'k cfXg'k ]h\ci hWfYX]h'

7 c``i g]cb.'k cf\_]b[ 'k ]h\'ch\Yfg'Vi hdUgg]b[ 'cZth\Y'k cf\_'Ug'U'dYfgcb'g']bX]j ]Xi U``k cf\_"'7 c``i g]cb'U`gc ]bWi XYg'dfcj ]X]b[ 'mci f'k cf\_'hc'Ubch\Yf'gh XYbhVYZcfY'h\Y'Xi Y'XUhYžcf'Zcf'h\Y'di fdcgY'cZh\Ya d`U[ ]Uf]g]b[ 'UhUbmh]a Yž'dUm]b[ 'Ubch\Yf'dYfgcb'hc'dYfZcfa 'Ub'UWUXYa ]WhUg\_žghYU`]b[ 'cf'UV&i ]f]b[ Ubch\Yf'dYfgcb'g'UWUXYa ]Wk cf\_'UbX'Wcdm]b[ ']hz'cZYf]b[ 'hc'Wca d'YhY'Ubch\Yf'dYfgcb'g'k cf\_'cf'gYY\_]b[ dUma YbhZcf'Wca d'Yh]b[ 'UWUXYa ]Wk cf\_"

=ðUddfcdf]UhY`W]hUh]cb. 7]h]b[`gci fWYg`k \]W\`\Uj Y`bchVYYb`fYUXžk]h\ci hUW\_bck `YX[]b[`h\Y`´gYWcbXUfm´ gci fWY`Zfca`k \]W\`\_bck `YX[Y`cZh\Ya`\Ug`VYYb`cVhJ]bYX"

8id`]WUhjcb`fl'gY`Zd`U[]Uf]ga ~Ł`gi Va]hhjb[`mcif`ckb`kcf\_ž']b`k\c`Y`cf`]b`dUfhžk\YfY`]h\Ug`dfYj]cig`m VYYb`dfYdUfYX`cf`gi Va]hhYX`Zcf`Ubch\Yf`UggYggaYbh`cf`WcifgY`UhIBGK`cf`Ubch\Yf`ib]jYfg]hm"

7 cffYWhifYZYfYbW]b[ dfUWf]WYg.

- DUfUd\fUg]b[žigi a a Uf]g]b[žiYggUmik f]h]b[ 'UbXih]a Yia UbU[ Ya Ybh
- 5ddfcdf]UHY i gY cZUbX UHf]Vi Hcb Zcf UfUb[Y cZa UHYf]U`g`]bWi X]b[ 'HYI hz]a U[Ygz Zcfa i `UY UbX WcbWYdhg"

₽5X]j ]Xi U``Ugg]gHJbWF`]g`Uj U]`UV`Y`cb`fYei YghŹca `H\Y`@YUfb]b[ `7YbHfY`f\Hd.#k k k "`Wi bgk "YXi "Ui #" Gh XYbhg`UfY`U`gc`fYa ]bXYX`H\UhWUfYZ ``Ha Y`a UbU[ Ya Ybh']g`Ub`]a dcfHJbhdUfhcZgh XmUbX`cbY`cZh\Y ]XYbh]Z]YX`WJi gYg`cZd`U[ ]Uf]ga `]g`dccf`Ha Y`a UbU[ Ya Ybh'`Gh XYbhg`g\ci `X`U``ck `gi ZZ]W]YbhHa Y`Zcf fYgYUfW\ž`XfUZHb[ `UbX`dfcdYf`fYZYfYbW]b[ `cZgci fWfg`]b`dfYdUf]b[ `U```UggYgga Ybh]Ha g"

IBGK @]VfUfmiU`gc`\Ugʻh\Y`9@=G9`hcc``UjU]`UV`Y`hc`Ugg]ghimci`k]h\`mcif`ghiXmiUhIBGK "`9@=G9`]g XYg][bYX`hc`]bhfcXiVW`bYk`ghiXYbhg`hc`ghiXm]b[`UhIBGK `Vihi]hWUb'U`gc`VY`U`[fYUhfYZYg\Yf`Xif]b[`mcif

- i bXYfgHJbX'mci f`f][\hg`UbX'fYgdcbg]V]`]h]Yg`Ug`U`ghi XYbh'Uh'I BGK
- VY Uk UfY cZdU[]Uf]ga žWcdmf][ \lbzi BGK Ghi XYbh7 cXY cZ7 cbXi Wh0bX 5WW/dhUVY I gY cZ I BGK '=7 H'F Ygci fW/g'Dc']Wh
- VY Uk UfY cZh Y gHUbXUfXg cZVY Uj ]ci f YI dYWYX cZYj YfmcbY ]b h Y I BGK Wca a i b]m
- `cWUHY'gYfj ]WYg'UbX']bZcfa UHjcb'UVci hI BGK 'UbX'I BGK '@VfUfm

Gca YicZh\YgYiUfYUgik]``VYiZJa]`]Ufihcimci žich\Yfgik]``VYibYk"'; U]b]b[`Uigc`]Xii bXYfgHUbX]b[`cZU```h\Y fY`UhYXiUgdYWfgicZ9@=G9ik]``\Y`dimci ia U\_Yih\Yia cghicZmci fighi X]YgiUhil BGK"' <u>\hhd.#qi VYWfii]XYg"`]VfUfm"i bgk"YXi"Ui #Y`]qY#UVci hY`]qY</u>

# 5WUXYa]W=bZcfaUh]cb

: cf<sup>\*</sup>YggYbhJU<sup>\*\*</sup>gh XYbh<sup>\*</sup>]bZcfa UhJcb<sup>\*</sup>fY<sup>\*</sup>UhJb[<sup>\*\*</sup>hc.

- fYei Yghg Zcf Yl hYbg]cb/
- `UHY'gi Va ]gg]cbg'[i]XY`]bYg/
- fYj ]Yk 'cZa Uf\_g/
- I BGK '<YU`h\`UbX'GUZ'hmidc`]W}Yg/
- YI Ua ]bUh]cb'dfcW/Xi fYg/
- gdYWJU`Wcbg]XYfUh]cb`]b`h\Y`Yj YbhcZ]``bYgg`cf`a ]gUXj Ybh fY/
- gh XYbhYei ]mUbX X]gUV]`]m/
- UbX'ch\Yf'YggYbh]U``UWUXYa ]W]bZcfa Uh]cbž'gYY

<u>htdg.#k k k "Ufhg"i bgk "YXi "Ui #W ffYbHgh XYbhg#UWUXYa ]W]bZcfa Uh]cb#dfchcWc`g![i]XY`]bYg#</u>

### ∋a U[Y<sup>·</sup>7fYX]h

6m5fbY'AU[biggYb'!`\hhdg.#kkk"]bZcfaUh]cb"X\_#\_i`hf#UbaY`XY`gY#&\$%#\$&# hcb!dUYbhcfXYbh][h[Yb]ž776MG5("\$ž\hhdg.#Mcaacbg"k]\_]aYX]U"cf[#k#bXYI"d\d3Wf]X1,)\*'&(((

#### 7F=7CG

7F=7CG<sup>.</sup>Dfcj]XYf<sup>.</sup>7cXY<sup>.</sup>\$\$\$-,;

#### 5W\_bck YX[Ya YbhcZ7ci bhfm