



9CG HDI % \$

HDI

9CG; a V< ! '9'YWfc 'Cdh]WU' GmghYa g

A YW Ub]WU' dfcdYfh]Yg	J U' i Y	I b]h	HYgh'GHUbXUfX
5VfUg]cb' fYg]ghUbW	,	a a	=GC '( * (-
G\cfY'5'\UfXbYgg	,	!	=GC '+*%-!%

' 8'8UHJ	J U' i Y	I b]h	HYgh'GHUbXUfX
H\Y dfcdYfh]Yg'cZdUfhg'a Ubi ZUW' fYX' i g]b[ 'UXX]h] Y'a Ubi ZUW' f]b[ 'hYW'bc'c[ m'fR[" "'UgYf'g]bhYf]b[ 'z'gh'fYc' ]h'c[ fUd\mz: i gYX'8Ydcd]h]cb'AcXY''b[ 'z' '8' 'df]b]h]b[ 'L'UFYz XI Y'hc' h'Y]f' 'Um'f'f'Vml' Um'f'f' d'fcXi W]cbz'hc' gca Y'Yi h'bhX]fYW]cb'XYdYbXYbh' h' ]g'Ug'hc' VY'Ve]bg]XYfYX'k' \Yb'XYg]b]b[ 'h'Y' dUfh'UbX'XYZ]b]b[ 'h'Y'Vi' ]X'cf]Yb]h]cb'			=GC ') &+
HYbg]Y'A cXi' i g			
L'8]fYW]cb	* \$	A DU	
M8]fYW]cb	* \$	A DU	
N'8]fYW]cb	* \$	A DU	
HYbg]Y'GHfYb[ h\			=GC ') &+
L'8]fYW]cb	+	A DU	
M8]fYW]cb	+	A DU	
N'8]fYW]cb	)	A DU	
GHfU]b'Uh'fYU_			=GC ') &+
L'8]fYW]cb	&) \$	I	
M8]fYW]cb	&) \$	I	
7\Ufdm]a' dUW]ghfYb[ h\			=GC '%+ - #%/I
Z' &' s7z'L'8]fYW]cb	B	_>#a	
Z' &' s7z'M8]fYW]cb	B	_>#a	
Z' &' s7z'N'8]fYW]cb	B	_>#a	
7\Ufdmbcbh'X'YX' ]a' dUW]ghfYb[ h\			=GC '%+ - #%/5
Z' &' s7z'L'8]fYW]cb	B	_>#a	
Z' &' s7z'M8]fYW]cb	B	_>#a	
Z' &' s7z'N'8]fYW]cb	B	_>#a	
: 'Yi' i fU' 'A cXi' i g			=GC '%+,
&' s7z'L'8]fYW]cb	* (	A DU	
&' s7z'M8]fYW]cb	* (	A DU	
&' s7z'N'8]fYW]cb	* -	A DU	
HYa d''cZXYZYW]cb' i bXYf''cUX			=GC '+) !%#&
\$'() 'A DUz'L'8]fYW]cb	) \$	s7	
\$'() 'A DUz'M8]fYW]cb	) &	s7	

H\Yfa U' dfcdYfh]Yg	J U' i Y	I b]h	HYgh'GHUbXUfX
A Y'h]b[ 'hYa dYfUhi' fY' f'&\$s7 #a ]b\	% ,	s7	=GC '%%) +!%#'
HYa d''cZXYZYW]cb' i bXYf''cUX' f'&\$'() 'A DUz'	) \$	s7	=GC '+) !%#&

C'h'Yf' dfcdYfh]Yg	J U' i Y	I b]h	HYgh'GHUbXUfX
K Uh'f' UVgcf]d]cb	\$, )	I	G]a "'hc' =GC '* &
8Ybg]hm]f]UgYf]g]bhYfYX\	%%%\$	_ [ #a	9CG' A Yh'cX
Dck'XYf'Ve'ci' f' fUW'hc' gUZ]hm'XUHU'g\YYH\	K \ ]hY	!	!
7c'ci' f'cZ'h'Y'Ve'a' dcbYbhg	K \ ]hY	!	!

7\UfUWYf]gh]Wg

DfcW]gg]b[  
5XX]h]j' Y' A Ubi ZUW' f]b[ 'z'@JgYf'G]bhYf]b[

7\Ya ]WU' 'F Yg]ghUbW  
<nXfc'nh]WU''mGHUV'Y

8Y' ]j' YfmZcfa  
Dck XYf

5dd' ]WU]cbg  
5i hca ch]j' Yz'Gdcfhg'9ei ]da Ybh

@Ugh'W'Ub[ Y. ' &\$&\$! \$) !%& Gci' fW'. 'k k k "a Uh'f]U'XUHUW'bhYf'Ve'a DU[ Y. '%&  
 H\Y'XUH'Ve'ffYg]dcbX'hc'ci' f'\_bck'YX[ 'Y'UbX'Yi' dYf]YbW'Uh'h'Y'h]a' Y'cZ'di' V' ]WU]cb" H\YmXc' bchcb' h'Y'f'ck' b' fYdfYgYbh'U'gi' Z]VYbh'VUg]g'Zc'f' UbmdUfh'XYg]b'z' b'Y]h'Yf'Xc'  
 h'Ym]d]f]c] ]X'Y'Ub]m]U]f'Y'Y'a' Ybh'U'V'ci' h'c'f' [ i' UfU'bh'Y' h'Y' g'dYV]Z]W'dfcdYfh]Yg'cZ'U' d'fcXi' W'h'c'f' dUfh'c'f' h'Y'gi' ]h]U] ]j]m'cZ'U' d'fcXi' W'h'c'f' dUfh'Z'c'f' U' g'dYV]Z]W'U'dd' ]WU]cb" -h]g' h'Y'  
 fYg]dcb]g] ]j]m'cZ' h'Y' d'fcXi' W'f' c'f' W'ghca' Y'f' cZ'U' d'Ufh'hc' W'Y'W' ]h]g' d'fcdYfh]Yg'U'g'k' Y''Ug' ]h]g'gi' ]h]U] ]j]m'cZ'U' d'Ufh]W' 'U'f' di' f'dcgy'' H]j]g'U'g'c' U'dd' ]Yg' fY[ ]UfX]b[ 'h'Y'Ve'bg]XYf]h]cb'  
 cZ'dcgg]V'Y' ]bh'Y'Y'W' U' d'fcdYf]m]f] [ \h]g'U'g'k' Y''Ug' 'Uk' g'UbX'fY[ i' 'Uh]cbg' h'Y'XUH'U'fY'gi' V'Y'W'hc' W'Ub[ 'Y'k' ]h'ci' h'bc]h]W' 'Ug' d'Ufh'cZ'9CG'f]W'Ve'bh]bi' ci' g'XY' Y'cda' Ybh'UbX'  
 ]a' d'fc] Y'a' Ybh' d'fc'W'gg]Yg"

9CG`HDI`%' \$%

HDI

9CG` ; a V< `!`9`YWfc`C dh]W`GmghYa\_g

: YUhi fYg

: Uh] [ i Y`FYg]ghUbW

@UghW.Ub[ Y. `&\$&\$!\$) !%& Gci fW. `k k k "a UhYf]U`XUHUVbhYf`Wca DU[ Y. `&#&  
H\Y`XUH`WdffYgdcX hc`ci f`\_bck`YX[ Y`UbX`Yl dYf]YbW`Uh`h`Y`hja`Y`cZ`di`V`]W]h]cb" H\YmXc`bchcb`h`Y]f`ck`b`fYdfYgYbh`U`gi`ZZ]VYbh`VUglg`Zcf`UbmdufhXYg][ bz`bY]h`Yf`Xc`  
h`Ym]dfc] ]XY`UbmU[ fYYa`YbhUVci`hcf` [ i`UfUbhY`h`Y`gdYVZ]WdfcdYfh]Yg`cZ`U`dfcXi`W`hcf`dUfhcf`h`Y`gi`]hUV] ]hmcZ`U`dfcXi`W`hcf`dUfh`Zcf`U`gdYVZ]Wudd`]W]h]cb" =h]g`h`Y`  
fYgdcbg]V] ]hmcZ`h`Y`dfcXi`W`f`cf`W`ghca`Yf`cZ`U`dUfh`h`c`W`Y`W` ]hg`dfcdYfh]Yg`Ug`k`Y`"Ug`]hg`gi`]hUV] ]hmcZ`f`U`dUfh]W`Uf`di`fdcgY" H]g`U`gc`Udd`]Yg`fY[ UFX]b[ `h`Y`W`bg]XYfU]h]cb`  
cZ`dgg]V`Y`]bhY`"Y`W`U`"dfcdYfhm]f][ \hg`Ug`k`Y`"Ug`"Uk`g`UbX`fY[ i`Uh]cbg" H\Y`XUH`UfY`gi`V`Y`W`h`c`W`Ub[ Y`k`]h`ci`h`bch]W`Ug`dUfh`cZ`9C`GfiW`b]h]bi`ci`g`XYj`Y`cda`Ybh`UbX`  
]a`dfc] Ya`Ybh`dfc`WggYg"