

A8 J F 6BECBE4G<BA E8CBEGF 9<EFG DH4EG8E E8FH?GF 9BE 9<F64? *(*,

9<F64? *(*, 9<EFG DH4EG8E >8K 9<A4A6<4? ;<: ;?<: ;GF

g 9T]^_ \ `L]\_P] ]PaPY`P^ bP]P *&- (MTWWTZY\$ L) TYN]PL^P NZX [L]PO_Z *&,0 MTWWTZY TY_SP []TZ] dPL]\$
O]iaPY Md R]Zb_S L__SP 5ZZV C`MWT^STYR LY0 7Zb =ZYP^ ^PRXPY_
g AP_TYNZXP TY_SP \ `L]_P] bL^ -0 XTWWTZY\$ NZX [L]PO_Z YP_TYNZXP ZQ . . XTWWTZY TY_SP []TZ] dPL]
g 9T]^_ \ `L]_P] GZ_LW FPRXPY_ 85<G74 bL^ +. , XTWWTZY\$ NZX [L]PO_Z +- (XTWWTZY TY_SP []TZ] dPL]
g



CSb \Q [S T] `bVS \_cO`bS` eOa .1 [ \ZZ\ ] \ % O \*+ RSQ`SOaS Q [^O`SR b ] \Sb \Q [ S ] T // [ \ZZ\ ] \ % \ bVS ^`W] `gSO`% [^OQbSR Pg \] \&QOaV [^O\ [S \ b QVO`USa ] T +\* [ \ZZ\ ] \ Ob bVS CSea BSRIO aSU [ S \ b `SObSR b] bVS e`WbS& R ] e \ ] T TIfSR OaaSba Oaa ] QIObSR eWbV bVS ^`^] aSR Q [P \ Ob\] \] T QS`bO\ \ J '@' ^`W \ bW \ U] ^S`Ob\ ] \ a eWbV bV ] aS ] T O bW`R ^O`bg O \ R ] eS` DbVS` \ Sb' IVSaS [ ^OQba eS`S ^O`bOZg ] TTaSb Pg V\UVS` I] bOZ HSU [S \ b : 7>I 96% Oa RlaQcaaSR PS] e'

IVS 8] [^O\g `S^`bSR T\`ab \_cO`bS` I ] bOZ HSU [ S \ b : 7>I 96 ] T , / - [ \ZZ\ ] \ % O - \Q`SOaS Q [^O`SR b ] , . ) [ \ZZ\ ] \ % \ bVS ^`W] `gSO` ^`W [ O`Wg RcS b] V\UVS` `SdS \ cSa% Oa RlaQcaaSR OP] dS% O \ R U` ] aa Q ] ab aOd\ \ Ua `SObSR b] bVS O \ \] c \ QSR . VSORQ] c \ b `SRcQb\ ] \ % \ bWObldS' IVS \ Q`SOaS eOa ^O`bzg ] TTaSb Pg V\UVS` a^] `ba ^`] U`O [ [ \U `WUVba Q] aba Ob bVS HcPaQ`W^b\ ] \ K\RS ] HS`d\QSa aSU [S \ b% V\UVS` bSQV \ ] z ] Ug O \ R S [ ^z ] gSS Q ] aba Ob bVS 9 ] e ? ] \ Sa aSU [ S \ b O \ R V\UVS` S [^z] gSS Q] aba Ob bVS 7]] Y EcPZ\ aV \ \ U aSU [S \ b' 6R\cabSR I] bOZ HSU [S \ b : 7>I 96 #Oa RST\ \ SR \ \ C] bS +\$ \Q`SOaSR . ' '

CSb \Q [S ^S` aVO`S Obb`PcbOPZS b ] CSea 8 ] ^`Ob\] \ ab] QYV] ZRS`a eOa ') . Oa Q [ ^O`SR b] ') O \ \ bVS ^`W ] `gSO`'

6R\cabSR : EH #Oa RST\ \ SR \ \ C] bS , \$ eS`S ) '\* / Q [ ^O`SR b]) '*+ \ \ bVS ^`W ] `gSO`'

F8 : @8AG E8 I < 8 J

	;] ` bVS bV`SS [] \ bVa S \ RSR HS`bS [ PS` ,) %		
	+) + ,	+) ++	8VO \ US
	# \ [\ZZ\] \ a\$		7SbbS`( # L ] `a\$
EPaPY`P^2			
9\U\ObOZ GSOZ : abObS HS`d\QSa	-) ,	- + *	# - \$
HcPaQ`W^b\ ] \ K\RS ] HS`d\QSa	- 1 /	.) +	# , \$
9] e ?] \ Sa	. , 0	. *	-
7]] Y EcPZ\ aV \ \ U	. + .	- 10	1
CSea BSRIO	. - 1	. . ,	# * \$
D\VS`	j	j	j
GZ_LW EPaPY`P^	+ % - 22	+ % - 01	*
FPRXPY_85<G742			
9\U\ObOZ GSOZ : abObS HS`d\QSa	* ++	** 2	,
HcPaQ`W^b\ ] \ K\RS ] HS`d\QSa	2 ,	***	# * / \$
9] e ?] \ Sa	* + -	** ,	*)
7]] Y EcPZ\ aV \ \ U	/ .	, 2	/ 0
CSea BSRIO	* -	* 1	# + + \$
D\VS`	# . - \$	# .) \$	# 1 \$
GZ_LW FPRXPY_85<G74	, / -	, .)	-

7TRT_LW EPLW 8^_L_P FP] a\NP^

GSdS \ cSa \ \ bVS _cO`bS` RSQ`SOaSR \* 1 [ \ZZ\ ] \ % ] ` - % Q [^O`SR b ] bVS ^`W] `gSO`% `STZSQb\ \ U O \ \*\* [ \ZZ\ ] \ % ] ` + % \ SUObldS [^OQb T` ] [ T ] `S\U \ Qc`S \ Qg TzcQbOb\ ] \ a' HSU [ S \ b : 7>I 96 \ \ bVS \_cO`bS` \Q`SOaSR , [\ZZ\] \ %] `

, % Q] [^0`SR b] bVS ^`]]` gSO`% ^`]] [ O`Wzg RcS b] VUVS` `SdS\cSa Ob G: 6 <`]c^ O\R Q]ab aOdW\Ua W\WbWObWdSa Ob
B]dS% eVWQV eS`S ZO`USzg]TTaSh Pg z]eS` `SdS\cSa Ob B]dS O\R O . [WZZW]\%]` - % \SUObWdS W [ ^OQb T`] [T]`S WU\
Qc`S\Qg TzcQbcbW]] \a' 6R\cabSR GSdS\cSa O\R 6R\cabSR HSU [ S\b : 7>I 96 #0a RSTW\SR W\ C]bS +\$ RSQ`S0aSR +
O\R W\Q`S0aSR 1 % `Sa^SQbWdS:g'

>\ bVS _c0`bS`% `SdS\cSa Ob G: 6 <`]c^ W\Q`S0aSR 2 [ WZZW]\% ]` - % b] +/* [WZZW]\

`SaSb ]T ||ba ||\dS\b]]`g zSdSza O\R `||UVba||h||\U ]T ||ba eO`SV]caS T]]b^`||\b ||\ bVS ^`||]` gSO`' @Sg b||bzSa ||\ bVS _cO`bS`
||\QzcRSR ;**K I 4>GB** Pg 6 \ \ EObQVSbb% .**B I K J - KLLBNEB>A**

IVS T]Z]eWU bOPZS ^`SaS\ba O `SQJ\QIZiObiJ\ J T \Sb QOaV caSR W\]^S`Obi\U OQbIdIbIbSa b] T`SS QOaV TZ]e O\R T`SS QOaV TZ]e OdOIzOPZS b] CSea 8]`^`ObiJ\3

```
#W \ [ WZW ] \ a$
```

. . \$

#, *\$



6B@C4E<FBA B9 ABA% : 44C GB H&F& : 44C <A9BE@4G<BA

6R\cabSR GSdS\cSa% I]bOZ HSU [S\b : 7>I 96% 6R\cabSR I]bOZ HSU [S\b : 7>I 96% 6R\cabSR HSU [S\b : 7>I 96%
OR\cabSR \Sb \Q] [S Obb`PcbOPZS b] CSea 8]`^]`Ob\ ab]QYV]ZRS`a% 6R\cabSR : EH% Q] \abO\b Qc`S\Qg`SdS\cSa%
T`SS QOaV Tz]e O\R T`SS QOaV Tz]e OdO\ZOPZS b] CSea 8]`^]`Ob\ \ O`S \] \&<66E T\O\Q\OZ [ SOac`Sa Q] \bO\SR \\
bV\la SO` \Ua`SZSOaS' IVS 8] [^O\g PSZ\SDSa bVSaS [SOac`Sa O`S \ [^]`bO\b b] ]za T]` \dSab]`a O\R O\Ozgaba b]
caS \ OaaSaa\U bVS 8] [^O\gka c\RS`Zg\U Pca\ Saa ^S`T]` [ O\QS O\R b] ^]d\RS T]` []`S [SO\U\UTcz
Q] [^O`la] \a ]T bVS 8] [ ^O\gka ]^S`Ob\U ^S`T]` [O\QS PSbeSS\ ^S`R] Ra' IVSaS [ SOac`Sa Oza] OZZ]e \dSab]`a
O\R O\Ozgaba b] d\Se bVS 8] [^O\gka Pca\ Saa T] [bVS aO [S ^S`a^SQb\ds Oa 8] [^O\g [O\OUS [S\b' IVSaS \] \&
<66E [SOac`Sa [ Og PS R\TTS`S\b bVO\ al [\ZO` [ SOac`Sa caSR Pg]bVS` Q] [ ^O\Sa O\R aV]czR PS Q] \a\RS`SR \\
ORR\bb] \ b] % \]b Oa O acPab\cbS T]`% [ SOac`Sa]T T\O\Q\OZ ^S`T]` [O\QS QOZQcZObSR \ OQQ]`R0\QS e\bbV <66E'
GSQ] \Q\Z\Ob\] \a T]` bVS R\TTS`S\QSa PSbeSS\ \] \&<66E [SOac`Sa caSR \ bV\la SO` \Ua`SZSOaS O\R Q] [ ^O`OPZS
T\O\Q\OZ [SOac`Sa QOZQcZObSR \ OQQ]`R0\QS e\bbV J'H' <66E O`S \QZcRSR \ C]bSa *% +% , O\R - O\R bVS
`SQ] \Q\Z\Ob\] \ ]T \Sb QOaV caSR \ ] ^S`Ob\U OQb\cd\bbSa b] T`SS QOaV Tz]e O\R T`SS QOaV Tz]e OdO\ZOPZS b] CSea
8]`^]`Ob\] \ \a \QZcRSR OP]dS'

A8 J F 6BECBE4G<BA

6BAFB?<74G87 FG4G8@8AGF B9 BC8E4G<BAF
 "HYL`OT\_PO3 TY XTWWTZY^\$ PcNP[\_ [P] ^SL]P LXZ`Y_^#

;]`bVS bV`SS []\bVa S\RSR
 HS^bS [PS` ,)%
 +) + , +) ++

GSdS\cSa3		
8\`QcZObl ] \ O\ R acPaQ`^\^bl] \	*%*+2	*%***
6RdS`blal\U	,2*	-) /
8] \ac [S`	.) +	- /0
GSOz SabObS	, **	, + ,
DtVS`	* / /	*0*
I] bOz GSdS\cSa	+%-22	+%-01
D^S`Ob\U Sf^S\ aSa	#*%+0,\$	#*%+0,\$
HSZ\ \U% US\ S`Oz O\ R OR [ \ \ lab`ObldS	#1/+ \$	#1.. \$
9S^`SQ\Ob\ ] \ O\ R O [ ] `bhOb\] \	#*0*\$	#*02\$
> [^O\` [ S\ b O\ R `Sab`cQbc`\ \U QVO`USa	#,1\$	#+*\$
: _c\bg z] aaSa] T OT\Iz\ObSa	#+ \$	#- \$
>\bS`Sab Sf^S\ aS% \Sb	#+ , \$	#+0\$
DtVS`% \Sb	#, . \$	#*1\$
>\Q] [S PST] `S \ \Q] [S bOf Sf^S\ aS	2.	*) *
>\Q] [S bOf Sf^S\ aS	#,0\$	#, . \$
CSb \ \Q] [S	.1	//
ASaa3 CSb \ \Q] [S Obb`IPcbOPzS b] \ ] \Q] \ b`] ZZ\ \U \ \bS`Saba	#+1\$	#+ / \$
CSb \ \Q] [S Obb`IPcbOPzS b] CSea 8 ] `^] `Ob\ ] \ ab] QYV] zRS`a	,)	-)
L S\UVbSR OdS`OUS aVO`Sa] ctabO\ R\ \U3		
7OallQ	.0+	.1*
9\zcbSR	.0-	.1,

CSb \ \Q] [S Obb`IPcbOPzS b] CSea 8 ] `^] `Ob\ ] \ ab] QYV] zRS`a ^S` aVO`S% POallQ O\ R

6BAFB?<7 4G87 54?4A68 F ; 88GF
"HYL`OT_P03 TY XTWTZY^#

6a]T ?c\ S ,)% +)+,

8c``S\b OaaSba3		
80aV O\lR Q0aV S_cldOZS\ba	*%+.2	*%1, ,
GSQSldOPZSa% \Sb	*%..2	*%-.+
>\dS\b]`g% \Sb	,01	,**
DbVS` Qc``S\b OaaSba	.),	-1-
I]bOZ Qc``S\b OaaSba	,%2/2	-%). ,

C]\&Qc``S\b OaaSba3		
>\dSab [S\ba	,2*	-+0
E`]^S`bg% ^ZO\b O\RS_c\^[S\b% \Sb	¶*%2-0 +) + ,	+%) -+
D^S`Ob\U zSOaS `WUVb&]T&caS OaaSba	221	*)%), /
>\bO\UWpZS OaaSba% \Sb	+%-*0	+%-12
<]]RelZ	.%*) -	.%*) -
9STs``SR W\Q] [S bOf OaaSba	, /)	,2,
DbVS` \] \&Qc``S\b OaaSba	*%+12	*)% , - *
I]bOZ OaaSba	* / %-0.	* / %2+*

8c``S\b Z\OP\Z\b\ Sa3		
6QQ]c\ba ^OgOPZS	,+-	--)
6QQ`cSR Sf^S\ aSa	*%* . ,	*%*+,
9STS``SR `SdS\cS	/+-	/++
8c``S\b P]``]e\ Ua	/*	+0

A8 J F 6BECBE4G<BA

ABG8) e GBG4? F8 : @8AG 85G74

HSU [S\b : 7>I 96 \a RST\SR Oa `SdS\cSa zSaa ] ^S`Ob\U Sf^S\ aSa O\ R aSZ\U% US\ S`OZ O\ R OR [ \\\ab`ObldS
Sf^S\ aSa' HSU [S\b : 7>I 96 R] Sa \] b \QZcRS3 RS^`SQ\Ob\ \ O\ R O [ ] `b\hOb\ \ % \ [^O\ [S\b O\ R `Sab`cQbc` \U
QVO`USa% S\_c\bg z] aaSa ] T OT\Iz\ObSa% \bS`Sab #Sf^S\ aS\$ \Q] [S% \Sb%] bVS`% \Sb O\ R \Q] [S bOf #Sf^S\ aS\$ PS\ST\B'
BO\OUS [S\b PSz\SDSa bVOb HSU [S\b : 7>I 96 \a O\ O^^] ^`ObS [ SOac`S T] ` SdOZcOb\U bVS ] ^S`Ob\U ^S`T] ` [O\QS
] T bVS 8] [^O\gka Pca\ \Saa aSU [S\ba PSQOcaS \b \a bVS ^`w [ O`g [SOac`S caSR Pg bVS 8] [ ^O\gka QV\ST ] ^S`Ob\U
RSQ\al\] \ [OYS` b] SdOZcObS bVS ^S`T] ` [ O\QS ] T O\ R OZ] QObS `Sa] c`QSa e\ bV\ \ bVS 8] [^O\gka Pca\ \SaaSa'
HSU [S\b : 7>I 96 ^` ] d\RSa [ O\OUS [ S\b% \dSab] `a O\ R S_c\bg O\OZgaba e\ bV O [SOac`S b] O\OZghS bVS ] ^S`Ob\U
^S`T] ` [O\QS] T SOQV] T bVS 8] [^O\gka Pca\ \Saa aSU [S\ba O\ R \ba S\bS`^` \aS dOZcS OUO\ \ab V\ab] ` \QOZ RObO O\ R
Q] [^S\b\] `ak RObO% OZbV] cUV V\ab] ` \QOZ `SacZba [ Og \ ] b PS \R\QObldS ] T Tcb`S `SacZba #Oa ] ^S`Ob\U ^S`T] ` [O\QS \a
V\UVZg Q] \b\US\ b] \ [O\g TOQb] `a% \QZcR\U Qcab] [ S` bOabSa O\ R ^`STS`S\QSa\$

I] bOZ HSU [S\b : 7>I 96 \a O \] &<66E [SOac`S O\ R aV] cZR PS Q] \a\RS`SR \ \ ORR\l\] \ b] % \] b Oa O acPab\l\ bchS T] ` %
\Sb \Q] [S #z] aa\$% QOaV Tz] e O\ R] bVS` [ SOac`Sa] T T\O\Q\OZ ^S`T] ` [O\QS `S^] `bSR \ \ OQQ] `RO\QS e\ bV <66E` >\
ORR\l\] \ % bV\la [SOac`S R] Sa \ ] b `STZSQb QOaV OdO\ZOPzS b] Tc\ R `S\_c\`S [S\ba O\ R SfQZcRSa \bS [a% acQV Oa
RS^`SQ\Ob\ ] \ O\ R O [ ] `b\hOb\] \ O\ R \ [^O\ [S\b O\ R `Sab`cQbc` \U QVO`USa% eV\QV O`S a\U\ \T\QO\ b Q] [^] \S\ba \\
OaaSaa\U bVS 8] [^O\gka T\O\Q\OZ ^S`T] ` [O\QS'] VS 8] [^O\g PSz\SDSa bVOb bVS ^`SaS\Ob\] \] T I] bOZ HSU [S\b
: 7>I 96 ^` ] d\RSa caStcZ \T] ` [Ob\] \ `SUO`R\U bVS 8] [^O\gka] ^S`Ob\ ] \a O\ R ] bVS` TOQb] `a bVOb OTTSQb bVS
8] [^O\gka `S^] `bSR `SacZba' H^SQ\T\QOZg% bVS 8] [ ^O\g PSz\SDSa bVOb Pg SfQZcR\U QS`bO\ \] \S&b\ [S] ` \] \&QOaV
\bS [a acQV Oa \ [^O\ [S\b O\ R `Sab`cQbc` \U QVO`USa O\ R RS^`SQ\Ob\ ] \ O\ R O [ ] `b\hOb\] \ % Oa eSZ Oa ^`] bS\ b\OZ
R\ab] `b\ ] \a PSheSS\ ^S`w] Ra QOcaSR Pg TOQb] `a acQV Oa T\O\Q\U O\ R QO^`bOZ ab`cQbc`Sa O\ R QVO\USa \ \ bOf
^] a\l\] \a] ` `SU\ [Sa% bVS 8] [^O\g ^` ] d\RSa caS`a] T \ba Q] \a] Z\RObSR T\O\Q\OZ abObS [S\ba e\ bV \ \a\UVb \ \b] P] bV \ba
Q] `S ] ^S`Ob\] \a Oa eSZ Oa bVS TOQb] `a bVOb OTTSQb `S^] `bSR `SacZba PSheSS\ ^S`w] Ra Pcb eV\QV bVS 8] [^O\g
PSz\SDSa O`S \ ] b `S^`SaS\ObldS ] T \ba Q] `S Pca\ \Saa' 6a O `SacZb% caS`a] T bVS 8] [^O\gka Q] \a] Z\RObSR T\O\Q\OZ
abObS [S\ba O`S PSbbS` OPzS b] SdOZcObS QVO\USa \ \ bVS Q] `S ] ^S`Ob\U `SacZba ] T bVS 8] [ ^O\g OQ`] aa R\ITS`S\ b
^S`w] Ra' ] VS T] Z] e\U bOPzS `SQ] \Q\ZSa \Sb \Q] [S b] I] bOZ HSU [S\b : 7>I 96 T] ` bVS bV`SS [] \bVa S\RSR
HS^bS [PS` ,) % +) +, O\ R +) ++3

	;] ` bVS bV`SS [] \bVa S\RSR HS^bS [PS` ,) % +)+, +)++ 8VO\US 8VO\US #\ [\ZZ\] \a\$			
CSb \Q] [S	.1	//	#1\$	*++\$
6RR3				
>\Q] [S bOf Sf^S\ aS	,0	,.	+	/
D bVS`% \Sb	,.	*1	*0	2-
>\bS`Sab Sf^S\ aS% \Sb	+,	+0	#-\$	*#.\$

ABG8 * e 47=HFG87 E8I8AH8F\$ 47=HFG87 GBG4? F8 : @8AG 85<G74 4A7 47=HFG87 F8 : @8AG 85<G74

IVS 8] [^O\g caSa `SdS\cSa% I]bOZ HSU [ S\ b : 7>I 96 O\ R HSU [ S\ b : 7>I 96 SfQZcRI\U bVS W [ ^OQb ]T OQ\_c\la\bb] \a% R\ldSab\bc`Sa% TSSa O\ R Q]aba% \Sb]T W\RS [\WTVQObW] \ % `SZObSR b] bVS QZOW [ a O\ R W\ dSab\UObW] \a O`Wa\U]cb]T QS`bOW\ Q] \RcQb Ob ;EB 6BS0 Kc PEB <KMA #bVS IJ '@' CSea^O^S` BObbS`am\$% QVO`USa T] ` ]bVS` a\U\WTVQO\ b% \] \&] `RI\O`g Q]c`aS zSUOZ ] ` `SUczOb] `g [ObbS`a #Iz\bb\UObW] \ QVO`USam\$ O\ R T] `S\U\ Qc` `S\Qg TzcQbcObW] \a #I6R\cabSR GSdS\cSa% m I6R\cabSR I]bOZ HSU [ S\ b : 7>I 96 m O\ R I6R\cabSR HSU [ S\ b : 7>I 96 m `Sa`SQb\ldSg\$ b] SdOzcObS bVS ^S`T] ` [ O\QS ]T bVS 8] [ ^O\gka Q] `S Pca\ \Saa] ^S`ObW] \a SfQZcalldS ]T QS`bOW\ WbS [a bVOb W [^OQb bVS Q] [^O`OPW\Z\bg ]T `SacZha T` ] [ ^S`W]R b] ^S`W]R acQV Oa bVS c\ ^`SR\QbOP\Z\bg O\ R d] ZOb\Z\bg]T Qc` `S\Qg TzcQbcObW] \a' IVS 8] [^O\g QOZQcZO bSa bVS W [^OQb]T T] `S\U\ Qc` `S\Qg TzcQbcObW] \a T] ` Pca\ \SaaSa `S^` b\U W\ Qc` `S\Q\Sa]bVS` bVO\ bVS J`H` R]Z`O` Pg [ cZb\^Zg\U bVS `SacZha T] ` SOQV \_cO`bS` W\ bVS Qc` `S\ b ^S`W]R Pg bVS R\ITS`S\QS PSbeSS\ bVS OdS`OUS SfQVO\US `ObS T] ` bVOb _cO`bS` O\ R bVS OdS`OUS SfQVO\US `ObS W\ STTSQb Rc`W\U bVS Q] ``Sa^] \R\U _cO`bS`]T bVS ^`W] `gSO` O\ R b]bOZ\U bVS W [ ^OQb T] ` OZZ _cO`bS`a W\ bVS Qc` `S\ b ^S`W]R'

IVS QOZQcZO bW] \]T 6R\cabSR GSdS\cSa% 6R\cabSR I]bOZ HSU [S\ b : 7>I 96 O\ R 6R\cabSR HSU [S\ b : 7>I 96 [Og \]b PS Q] [^O`OPZS b] a\ [ WZ`O`g b\bzSR [ SOac`Sa `S^] `bSR Pg]bVS` Q] [ ^O\W\Sa% a\ \QS Q] [ ^O\W\Sa O\ R W\ dSab] `a [Og R\ITS` Oa b] eVOb bg^S ]T SdS\ba eO`O\ b OR\cab [S\ b' 6R\cabSR GSdS\cSa% 6R\cabSR I]bOZ HSU [S\ b : 7>I 96 O\ R 6R\cabSR HSU [S\ b : 7>I 96 O`S \ ]b [ SOac`Sa]T ^S`T] ` [O\QS c\RS` US\ S`OZg OQQS^bSR OQQ] c\bb\U ^`W\Q\^ZSa O\ R aV] cZR \ ]b PS Q] \ab`cSR Oa acPab\bc bSa T] ` O [ ]c\ba RSbS` [W\SR c\RS` <66E Oa [ SOac`Sa]T ^S`T] ` [O\QS' =]eSdS`% [ O\OUS [ S\ b caSa bVSaSa [ SOac`Sa W\ Q] [^O`W\U bVS 8] [ ^O\gka V\lab] `WQOZ ^S`T] ` [O\QS O\ R PSZ\ldSa bVOb bVSg ^` ]d\RS [ SO\W\UTc O\ R Q] [ ^O`OPZS W\T] ` [ ObW] \ b] W\ dSab] `a b] Oaallab W\ bVS\ O\OZga\la]T]c` ^S`T] ` [ O\QS `SZObldS b] ^`W] ` ^S`W]Ra O\ R ]c` Q] [^Sb\bb] `a'

IVS T]ZZ] e\W\U bOPZS `SQ] \Q\ZSa `S^] `bSR `SdS\cSa O\ R `S^] `bSR I]bOZ HSU [S\ b : 7>I 96 b] 6R\cabSR GSdS\cSa O\ R 6R\cabSR I]bOZ HSU [S\ b : 7>I 96 T] ` bVS bV`SS [] \bVa S\RSR HS^bS [PS` ,)% +) +, O\ R +) ++3

	GSdS\cSa ;] ` bVS bV`SS [] \bVa S\RSR HS^bS [PS` , )% +)+, +)++ 9\ITS`S\QS #\ [\ZZ\] \a\$			I]bOZ HSU [S\ b : 7>I 96 ;] ` bVS bV`SS [] \bVa S\RSR HS^bS [PS` , )% +)+, +)++ 9\ITS`S\QS #\ [\ZZ\] \a\$		
4^]P [Z] PO	+-22	+-01	+	, / -	, .)	* -
> [^OQb]T OQ_c\la\bb] \a	#0\$	j	#0\$	#\$	j	#\$
> [^OQb]T T] `S\U\ Qc` `S\Qg TzcQbcObW] \a	* -	j	* -	1	j	1
CSb W [^OQb]T J '@' CSea^O^S` BObbS`a	j	j	j	,	/	#, \$
4^ LO\ `^_PO	+.) /	+-01	+1	, 0 -	, . /	*1

[illegible]

ABG8 + e 47=HFG87 A8G <A6B@8 "?BFF# 4GGE<5HG45?8 GB A8 J F 6BECBE4G<BA FGB6> ; B?78EF
4A7 47=HFG87 8CF

IVS 8] [^O\g caSa \Sb \VQ] [S #Z]aa\$ Obb`WPcbOPZS b] CSea 8]^`Ob\] \ ab]QYV]ZRS`a O\ R R\ZcbSR SO` \Ua ^S`
aVO`S #I : EHm\$ SfQZcR\U Sf^S\ aSa`SZObSR b] J '@' CSea^O^S` BObbS`a% Z\UOb\] \ QVO`USa% [^O\ [S\ b O\ R
`Sab`cQbc` \U QVO`USa O\ R IDbVS`% \Som% \Sb ]T bOf% `SQ]U\hSR Pg bVS 8] [^O\g] `Wba S_c\bg [SbV]R \dSabSSa% Oa
eSZZ Oa bVS aSbbZS [S\ b]T QS`bO\ \ ^`S&HS^O`Ob\] \ bOf [ ObbS`a #IOR\cabSR \Sb \VQ] [S #Z]aa\$ Obb`WPcbOPZS b] CSea
8]^`Ob\] \ ab]QYV]ZRS`am O\ R IOR\cabSR : EHm`Sa^SQb\dsZg\$% b] SdOZcObS bVS ^S`T]` [O\QS]T bVS 8] [^O\gka
]^S`Ob\] \a SfQZcalds ]T QS`bO\ \ WbS [a bVOb \ [^OQb bVS Q] [^O`OP\Z\bg ]T `SacZba T` [ ^S`W]R b] ^S`W]R% Oa eSZZ Oa
QS`bO\ \ ] \&]^S`Ob\] \OZ WbS [a' IVS QOZQcZOb\] \]T OR\cabSR \Sb \VQ] [S #Z]aa\$ Obb`WPcbOPZS b] CSea 8]^`Ob\] \
ab]QYV]ZRS`a O\ R OR\cabSR : EH [ Og \ ] b PS Q] [ ^O`OPZS b] a\ [WZ O`Zg b\bzSR [ SOac`Sa `S^`bSR Pg]bVS` Q] [^O\Wsa%
a\ \QS Q] [^O\Wsa O\ R \dSab]`a [ Og R\ITS` Oa b] eVOb bg^S]T SdS\ba eO`O\ b OR\cab [S\ b' 6R\cabSR \Sb \VQ] [S
#Z]aa\$ Obb`WPcbOPZS b] CSea 8]^`Ob\] \ ab]QYV]ZRS`a O\ R OR\cabSR : EH O`S \] b [SOac`Sa ]T ^S`T]` [ O\QS c\RS`
US\`S`OZzg OQQS^bSR OQQ]c\ b\U \ ^`WQ\^ZSa O\ R aV]cZ R \ ] b PS Q] \ab`cSR Oa acPab\bc\Sa T]` Q] \a]Z\RObSR \Sb \VQ] [S
#Z]aa\$ Obb`WPcbOPZS b] CSea 8]^`Ob\] \ ab]QYV]ZRS`a O\ R \Sb \VQ] [ S #Z]aa\$ ^S` aVO`S Oa RSbS` [W\SR c\RS` <66E
Oa O [SOac`S ]T ^S`T]` [ O\QS` =]eSdS`% [ O\OUS [ S\ b caSa bVSaS [ SOac`Sa \V Q] [^O`W\U bVS 8] [^O\gka
Vlab]`WQOZ ^S`T]` [ O\QS O\ R PSZ\sdSa bVOb bVSg ^`d\IRS [SO\W\UcZ O\ R Q] [^O`OPZS \V T]` [Ob\] \ b] \dSab]`a b]
Oaalab \ \ bVS\ O\OZgalla]T]c` ^S`T]` [ O\QS`SZOb\ds b] ^`W]` ^S`W]Ra O\ R ]c` Q] [^Sb\]b]`a'

IVS T]ZZ] e\U bOPZS `SQ] \Q\ZSa `S^`bSR \Sb \VQ] [ S Obb`WPcbOPZS b] CSea 8]^`Ob\] \ ab]QYV]ZRS`a O\ R `S^`bSR
R\ZcbSR : EH b] OR\cabSR \Sb \VQ] [S Obb`WPcbOPZS b] CSea 8]^`Ob\] \ ab]QYV]ZRS`a O\ R OR\cabSR : EH T]` bVS bV`SS
[] \bVa S\RSR HS^bS [PS` ,)% +) +, O\ R +) ++3

#\ [\Z\] \a% SfQS^b ^S` aVO`S RObO\$	;]` bVS bV`SS [] \bVa S\RSR HS^bS [PS` ,)% +) +,		;]` bVS bV`SS [] \bVa S\RSR HS^bS [PS` ,)% +) ++	
	CSb \VQ] [S Obb`WPcbOPZS b] ab]QYV]ZRS`a	: EH	CSb \VQ] [S Obb`WPcbOPZS b] ab]QYV]ZRS`a	: EH
AP_ TYNZXP	.1		//	
ASaa\$ CSb \VQ] [S Obb`WPcbOPZS b] \ ] \Q] \b`]ZZ\U \bS`Saba	##+1\$		##+/\$	
AP_ TYNZXP L_]TM`_ LMIP_ Z APb^ 6Z][Z]L_]ZY ^_ ZNVSZ\OP]^	,)	)') .	-)	)') 0
J '@' CSea^O^S` BObbS`a	,	)') *	/	)') *
> [^O\ [S\ b O\ R `Sab`cQbc` \U QVO`USa #OS	, 1	)') /	+ *	)') -
DbVS`% \Sb	, .	)') /	* 1	)') ,
IOf \ [^OQb] \ WbS [a OP]dS	#*2\$	#)') , \$	#* . \$	#)') , \$
> [^OQb]T \] \Q] \b` ]ZZ\U \bS`Sab] \ WbS [a OP]dS	,	)') *	#* \$	j
4^ LOU`^_ PO	2)	)') *	/ 2	)') * +

ABG8 , e 6BAFG4AG 6HEE8A6K E8I8AH8F

IVS 8] [^O\g PSZ\SDSa bVOb bVS ^`SaS\bOb\ ] \ ]T `SdS\cSa SfQZcR\U bVS \ [^OQb]T T] `S\U\ Qc``S\Qg TzcQbcOb\ ] \a #IQ\ \abO\b Qc``S\Qg `SdS\cSa\$ ^`]d\RSa caStcz \ \T] ` [ Ob\ ] \ `SUO`R\U bVS ^S`T] ` [ O\QS ]T bVS 8] [ ^O\gka Q] `S Pca\ \Saa] ^S`Ob\ ] \a SfQZcalldS ]T R\ab ] `b\] \a PSbeSS\ ^S`W\ Ra QOcaSR Pg bVS c\ ^`SR\QbOP\Z\bg O\ R d] ZOb\Z\bg]T Qc``S\Qg TzcQbcOb\ ] \a' IVS 8] [ ^O\g QOZQcZOBSa bVS \ [ ^OQb ]T T] `S\U\ Qc``S\Qg TzcQbcOb\] \a T] ` Pca\ \SaaSa `S^] `b\ \U \ Qc``S\Q\Sa] bVS ` bVO\ bVS J`H' R] ZO` Oa RsaQ` \PSR \ \ C] bS +'

8] \abO\b Qc``S\Qg `SdS\cSa O`S \]b [SOac`Sa ]T ^S`T] ` [ O\QS c\RS` US\S`OZg OQQS^bSR OQQ] c\ b\ \U ^` \Q\ ^ZSa O\ R aV] cR \]b PS Q] \ab`cSR Oa acPab\ bcbSa T] ` `SdS\cSa Oa RSbS` [\SR c\RS` <66E Oa [ SOac`Sa]T ^S`T] ` [O\QS' =] eSdS`% [ O\OUS [ S\ b caSa bVSa [ SOac`Sa \ Q] [^O` \U bVS 8] [ ^O\gka V\ab ] `QOZ ^S`T] ` [O\QS O\ R PSZ\SDSa bVOb bVSg ^` ]d\RS [ SO\ \U\Tcz O\ R Q] [ ^O`OPZS \ \T] ` [ Ob\ ] \ b ] \dSab] `a b] Oaallab \ \ bVS\ O\OZgalla]T]c` ^S`T] ` [ O\QS `SZOb\ dS b] ^` ] ` ^S`W\ Ra O\ R ]c` Q] [^Sb\ b] `a'

IVS T] Z] e\ \U bOPZSa `SQ] \Q\ZS `S^] `bSR `SdS\cSa b] Q] \abO\b Qc``S\Qg `SdS\cSa T] ` bVS bV`SS [ ] \bVa S\RSR HS^bS [ PS` ,)% +) +, 3

	F* ;\aQOZ +) +,	F* ;\aQOZ +) +,- # \ \ [\ZZ\] \a\$	F* ;\aQOZ +) +,- Q] \abO\b Qc``S\Qg	8VO\US & `S^ ] `bSR	8VO\US & Q] \abO\b Qc``S\Qg
				7SbbS` (# L ] `aS\$	
8] \a] Z\RObSR `SacZba3					
8\`QcZObl\ ] O\ R acPaQ` \ ^b\] \	*%***	*%*+2	#2\$	*%*,1	+
6RdS`blal\U	-)/	,2*	#\$	,2+	#-\$
8] \ac [S`	-/0	.)+	0	-2.	0
GSOZ SabObS	,+	,**	#2\$	,+)	#-\$
DbVS`	*0*	*//	#+\$	*/1	#, \$
I] bOZ `SdS\cSa	+%-01	+% -22	##-\$	+% .*,	*
9\U\ bOZ GSOZ : abObS HS`d\QSa3					
8\`QcZObl\ ] O\ R acPaQ` \ ^b\] \	,	,	j	,	j
6RdS`blal\U	,.	,.	j	,.	j
GSOZ SabObS	,+	,**	#2\$	,+)	#-\$
DbVS`	/)	.-	#+\$	./	##)\$
I] bOZ 9\U\ bOZ GSOZ : abObS HS`d\QSa aSU [ S\ b `SdS\cSa	-+*	-),	###\$	-*-	#-\$
G : 6 <` ] c^ `SdS\cSa	+.+	+/*	###\$	+0+	-
HcPaQ` \ ^b\ ] \ K\RS ] HS`d\QSa3					
8\`QcZObl\ ] O\ R acPaQ` \ ^b\] \	-+.	-.*	##1\$	-, ,	#+\$
6RdS`blal\U	/-	/+	#, \$	/.	#, \$
DbVS`	*,	2			+

F* ;llaQOZ +)+,	F* ;llaQOZ +)+- # \ \ [\ZZ\] \a\$	;M \ [^OQb	F* ;llaQOZ +)+- Q] \abO\ b Qc``S\Qg	8VO\US & `S^] `bSR 7SibS`(# L ] `aS\$	8VO\US & Q] \abO\ b Qc``S\Qg
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9]e ?] \Sa3					
8\`QcZObl] \ O\R acPaQ`ll^bl] \	- *-	- , /	-	- , +	.
6RdS`blal\U	2-	2*	j	2*	#, \$
DbVS`	0	*)	j	*)	- ,
I]bOZ 9]e ?] \Sa aSU [S\ b `SdS\cSa	. *	. , 0	-	. , ,	-

7]]Y EcPZllaV\U3					
8] \ac [S`	- / 0	.) +	0	- 2.	0
DbVS`	+)	+,	j	+,	*.
I]bOZ 7]]Y EcPZllaV\U aSU [S\ b `SdS\cSa	- 10	. +.	0	. * 1	1

CSea BSRIO3					
8\`QcZObl] \ O\R acPaQ`ll^bl] \	+ / 2	+ 0.	.	+ 0)	+
6RdS`blal\U	+*,	+) ,	+	+) *	#, \$
DbVS`	0*	0)	j	0)	#\$
I]bOZ CSea BSRIO aSU [S\ b `SdS\cSa	. . ,	. - 1	0	. - *	#\$

CSea J@					
8\`QcZObl] \ O\R acPaQ`ll^bl] \	*, -	* - -	*)	*, -	0
6RdS`blal\U	/ *	. 2	,		j

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