

E6GI >

>I: B ,) ;>C6C8>6A HI 6 I: B : CIH

C: LH 8DGEDG6 I>DC

8DCHDA>9 6 I: 9 HI 6 I: B : CIH D; DE: G 6 I>DCH

\$K` SgV[fWV6 _[^a`e' WjUWbf bWd eZSdW S_ag`fe%

	C_dUc	;_b dXU dXbUU]_^dXc U^TUT HU`dU] RUB .+'	
		--,	-++
HWhW` gWe5			
9[dUg^Sf[a` S`V egTeUd[bf[a`		! ,'+22	! ,'++-
7VhWdf[e`Y		/+0	..-
9a`eg_Wd		0-/	//,
HWS^ WefSfW		.-+	-.0
EfZWd		,21	,+2
JafS^ HWhW` gWe	-	-'0+-	-' ,+2
EbWdSf`Y Wj bW`eWe		\$,-//%	\$,' ,1/%
IW^^`Y' YW` WdS^ S`V SV_[]` [efdSf[hW		\$3/3%	\$130%
: WbdWU[Sf[a` S`V S_ adf[1Sf[a`		\$,10%	\$,1/%
?_bS[d_ W` f S`V dWefdgUfgd[]` Y UZSdYWe	/	\$--%	\$/+%
;cg[fk ^aeeWe aX SXX[^SfWe	0	p	\$,%
?`fWdWef Wj bW`eW' `Wf		\$--%	\$3%
EfZWd' `Wf	,.	,.2	,2
?`Ua_ W TWXadW []`Ua_ W fSj Wj bW`eW		..3	2-
?`Ua_ W fSj Wj bW`eW	,,	\$2,%	\$-0%
DWf []`Ua_ W		-12	/2
BWee5 DWf []`Ua_ W Sffd[TgfST^W fa `a`Ua` fda^^`Y []`fWdWefe		\$2,%	\$,.%
DWf []`Ua_ W Sffd[TgfST^W fa DW i e 9 adbadSf[a` efaU]Za^VWde		!,41	!./
DWf []`Ua_ W Sffd[TgfST^W fa DW i e 9 adbadSf[a` efaU]Za^VWde bWd eZSdW' TSe[U S` V V[^gfWV	4	! +)..	! +)+1

JZW SUUa_bS`k[]`Y `afWe SdW S` []`fWYdS^ bSdf aX fZWdW g` SgV[fWV Ua`ea^[VSfWV X[]`S`U[S^ efSfW_ W`fe)

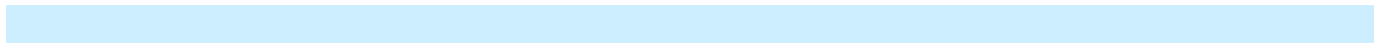
C : LH 8DGEDG6 I>DC

8DCHDA>9 6 I : 9 HI 6 I : B : CIHD ; 8DBEG : = : CH>K : >C8DB :

\$K`SgV[fVV6 _[^a`e%

;_b dXU dXbUU]_^dXc U^TUT
HU`dU]RUb .+'
-+-, -++

DWf [^Ua_W	!	-12	!	/2
EfZWd Ua_bdWZW`e[hW \$^aee% [^Ua_W5				
<adW[Y` UgddW`Uk fdS`e^Sf[a`SV\gef_W`fe		\$,1/%		,+2
DWf UZS`YW [^fZW XS[d hS^gW aX USeZ X^a i ZWVYWe ^{SSs}		,		\$-%
8W`WX[f b^S`SV\gef_W`fe'`wF ^{STs}		0		3
EfZWd Ua_bdWZW`e[hW \$^aee% [^Ua_W		\$,03%		,,.
9a_bdWZW`e[hW [^Ua_W		,+4		,1+



C : LH 8DGEDG6 I>DC

8DCHDA>96 I : 9 HI 6 I : B : CIHD ; 86H= ;ADLH
 \$K` SgV[fWV6 _[^a`e%

	DafWe	;_b dXU dXbUU]_^dXc U^TUT HU^ dU] RUB .+'	
		-+-,	-++
D`UbQdY^W QSdYfYdUc5			
DWf [`Ua _W		!	/2
7 V\gef_ W` fe fa dWUa`U[^W `Wf [`Ua _W fa `Wf USeZ bdah[VWV Tk abWdSf[`Y SUf[h[fWe5			
: WbdWU[Sf[a ` S`V S_ adf[1Sf[a`		,10	,1/
EbWdSf[`Y ^WSeW WjbW`eW		.	.
;cg[fk `aeeWe aX SXX[^SfWe	0	p	,
9SeZ V[efd[Tgf[a`e dWUW[hWV Xda_ SXX[^SfWe		/	/
EfZWd' `Wf	,.	\$.2%	\$.2%
: WXWddWV [`Ua _W fSjWe S`V fSjWe bSkST^W	,,	-2	,+
9ZS`YW [` abWdSf[`Y SeeWfe S`V ^[ST[^f[We' `Wf aX SUcg[e[f[a`e5			
HWUW[hST^We S`V afZWd SeeWfe		4	\$/1%
?`hW`fad[We' `Wf		\$04%	-
7UUag`fe bSkST^W S`V afZWd ^[ST[^f[We		\$-/+%	\$/-%
DWf USeZ bdah[VWV Tk abWdSf[`Y SUf[h[fWe		13	,00
>^fUcdY^W QSdYfYdUc5			
9Sb[fS^ WjbW`V[fgdWe		\$.+,%	\$4.%
7Ucg[e[f[a`e' `Wf aX USeZ SUcg[dWV		p	\$.%
?`hWef_ W` fe [` Wcg[fk SXX[^SfWe S`V afZWd		\$.1%	\$2%
FdaUWWVe Xda_ bdabWdfk' b^S`f S`V Wcg[b_ W` f S`V afZWd SeeWf V[ebae[f[a`e		\$-%	-
EfZWd' `Wf		-/	.
DWf USeZ geWV [` [` hWef[`Y SUf[h[fWe		\$40%	\$41%
;I^Q^SY^W QSdYfYdUc5			
8adda i [`Ye	1	.23	,-. .
HWbSk_ W` f aX Tadda i [`Ye	1	\$.3.%	\$. ,4%
: [h[VW`Ve bS[V		\$-2%	\$-+%
EfZWd' `Wf		\$0.%	\$. /%
DWf USeZ geWV [` X[`S`U[`Y SUf[h[fWe		\$30%	\$0+%
DWf UZS`YW [` USeZ S`V USeZ Wcg[hS^W` fe		\$. , -%	4
9SeZ S`V USeZ Wcg[hS^W` fe' TWY[` ` [`Y aX bWd[aV		-'.1	, '0,2
;jUZS`YW _ahW_ W` f a` abW` [`Y USeZ TS^S` UW		\$- /%	,.
9SeZ S`V USeZ Wcg[hS^W` fe' W` V aX bWd[aV	!	-' ,++	! , '0.4

JZW SUUa_ bS`k[`Y `afWe SdW S` [`fWYdS^ bSdf aX fZWeW g` SgV[fWV Ua `ea^[VSfWV X[`S`U[S^ efSfW_ W` fe)

CDI : ,) 9 :H8G>EI>DC D; 7JH>C:HH 6C9 76H>HD; EG:H:CI6I>DC

DW i e 9adbadSf[a` \$faYwfZWd i [fZ [fe egTe[V[Sd[We' qDW i e 9adbadSf[a`'r qDW i e 9adb'r fZW q9a_bS`k'r q i Wr ad qger% [e S Y^aTS^
V[hWde[X[WW _WV[S S`V [`Xad_Sf[a` eWdh[UWe Ua _bS`k Ua_bd[eWV aX Tge[`WeeWe SUdaee S dS`YW aX _WV[S' [`U^gV[`Y5 V[Y[fs^ dWS^
WefSfW eWdh[UWe' egTeUd[bf[a` h[VWa eWdh[UWe [` 7gefdS^[S' `W i e S`V [`Xad_Sf[a` eWdh[UWe S`V Taa] bgT^[eZ[`Y)

+>0F0 KC 8NBOBJP>PFKJ

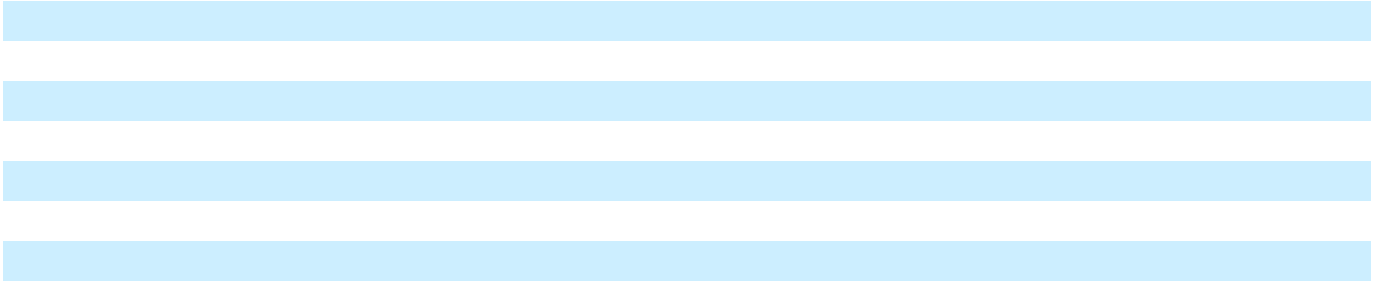
JZW SUUa_bS`k[`Y g`SgV[fWV Ua`ea^[VSfWV X[`S`U[S^ efSfW _W` fe aX fZW 9a_bS`k' i Z[UZ SdW dWXWddWV fa ZWdW[` Se fZW
q9a`ea^[VSfWV <[`S`U[S^ IfSfW _W`fe'r ZShw TWW` bdWbSdWV [` SUUadVS`UW i [fZ YW`WdS^k SUUWbfWV SUUag`f[`Y bd[`U[b^We [` fZW

CDI: -)G:K:CJ:H

JZW Xa^a i [`Y fST^We bdWeW` f fZW 9a_bS`kse V[eSYdWYSfWV dWhW`gWe Tk fkbW S`V eWY_W`f Xad fZW fZdWW _a`fZe W`VWV
IwbfW_TWd .+' -+-, S`V -++5

;_b dXU dXbUU]_^dXc U^TUT HU`dU] RUB .+' -+-,

9YWdQ\ GUQ\ :cdQdU HUbfiSUc	HeRcSbI`dI_^ KYTU_ HUbfiSUc	9_g ?_^Uc	7_[EeR\ cXY^W	CUgc BUTYQ	DdXUb	I_dQ\ GUfU^eUc
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DdXUb bUfU^eU TtCs_cebUc

JZW 9a_bs`k fkb[US^k Wj bW`eWe eS^We Ua __ [ee[a`e [`UgddWV fa aTfS[` S Ugefa _Wd Ua`fdSuf Se fZaeW S_ag` fe SdW [`UgddWV Se fZW S_ adf[1Sf[a` bWd[aV [e , - _a`fZe ad ^Wee) JZWeW UaeFe SdW dWUadVWV i [fZ[` IW^ [`Y' YW`WdS^ S` V SV_ [` [efdSf[hW [` fZW IfSfW_ W` fe aX EbWdSf[a`e) JZW 9a_bs`k S^ea VaWe `af USb[fS^[IW e[Y` [X[US` f X[`S` U[`Y Ua_ ba`W`fe i ZW` fZW fdS`eXWd aX fZW YaaV ad eWdh[UW [e bS[V i [fZ[` , - _a`fZe ad ^Wee' ad fZW dWUW[bf aX Ua`e[VWdSf[a` [e dWUW[hWV i [fZ[` , - _a`fZe ad ^Wee aX fZW fdS`eXWd aX fZW YaaV ad eWdh[UW)

<ad fZW fZdWW _a`fZe W`VWV IWbfW_TWd .+' -+- , ' fZW 9a_bs`k dWUaY`[1WV Sbbdaj[_SfW^k ! ,+ , _ [a` [` dWhW`gWe dW^SfWV fa bWdXad_S`UW aT^[YSf[a`e fZSf i WdW eSf[eX[WV ad bSdf[S^k eSf[eX[WV [` S bd[ad dWbadf[`Y bWd[aV) JZW dW_S[` `Y fdS`eSuf[a` bd[UW dW^SfWV fa g`eSf[eX[WV bWdXad_S`UW aT^[YSf[a`e Se aX IWbfW_TWd .+' -+- , i Se Sbbdaj[_SfW^k !242 _ [a` aX i Z[UZ Sbbdaj[_SfW^k !-0. _ [a` [e Wj bWUfWV fa TW dWUaY`[1WV ahWd fZW dW_S[`VWd aX X[eUS^ -+--' Sbbdaj[_SfW^k !-01 _ [a` [e Wj bWUfWV fa TW dWUaY`[1WV [` X[eUS^ -+- . S`V Sbbdaj[_SfW^k ! ,11 _ [a` fW^k

?` @g`W -+- , ' H ; 7 =dagb SUCg[dWV C adfYSYW 9Za[UW B[_ fWV \$qC adfYSYW 9Za[UWr% Xad Sbbdaj[_ SfW^k 7 ! - // _ [M[a` [` USeZ \$Sbbdaj[_ SfW^k ! , 3 . _ [M[a` TSeWV a` Wj UZS` YW dSfWe Se aX fZW U^ae[` Y VSFw%' Xg` VWV Tk S` [` UdWSeW [` H ; 7 =dagbse VWTf XSU[af[We) 9a` fda^ i Se fdS` eXWddWV S` V fZW SUCg[e[fa` TWUS_ W WXXWUf[hW S` V T[` V[` Y a` C adfYSYW 9Za[UW eZSdWZa^VWde a` @g`W , 3' -+- , gba` Uagdf SbbdahS^ C adfYSYW 9Za[UW [e S^WSV[` Y 7 gefdS^S` _ adfYSYW Tda][` Y Tge[` Wee' S` V fZW SUCg[e[fa` Ua_ b^W_ W` fe H ; 7 =dagbse Wj [ef[` Y I_ Sdf^ [` W Tda] Wd Xaafbd[` f S` V SUUW^WdSfWe H ; 7 =dagbse X[` S` U[S^ eWdh[UWe efdSfWYk fa WefST^eZ S^WSV[` Y _ adfYSYW Tda][` Y Tge[` Wee i [fZ ` Sf[a` S^ eUS^W) C adfYSYW 9Za[UW [e S egTe[V[Sdk aX H ; 7 =dagb S` V [fe dWeg^fe SdW [` U^gVWV [` fZW : [Y[fs^ HWS^ ; efSfW IWdh[UWe eWY_ W` f)

JZW bgdUZSeW bd[UW S^aUSf[a` ZSe TWW` bdWbSdWV a` S bdW^[_ [` Sdk TSe[e S` V UZS` YWe fa fZW bdW^[_ [` Sdk bgdUZSeW bd[UW S^aUSf[a` e _ Sk aUUGd Se SVV[f[a` S^ [` Xad_ Sf[a` Ua` UWd` [` Y SeeWf S` V ^[ST[^fk hS^gSf[a` e [e X[` S^I1WV) 7e S dWeg^f aX fZW SUCg[e[fa` ` fZW 9a_ bS` k dWUadVWV ` Wf fS` Y[T^W SeeWfe aX 7 ! 11 _ [M[a` \$KI!0+ _ [M[a` % Ua` e[ef[` Y bd[` Sd[^k aX Ua_ _ [ee[fa` Ua` fdSUF dWUW[hST^We S` V bSkST^We S` V Sbbdaj[_ SfW^k 7 ! 2/ _ [M[a` \$KI!01 _ [M[a` % aX [VW` f[X]ST^W [` fS` Y[T^W SeeWfe' Ua` e[ef[` Y aX 7 ! / 1 _ [M[a` \$KI! . 0 _ [M[a` % dW^SfWV fa XdS` UZ[eWV dW^Sf[a` eZ[be i [fZ S geW^g^ ^[XW aX , 2 kWSde' 7 ! , 2 _ [M[a` \$KI! , . _ [M[a` % aX eaXf i SdW i [fZ geW^g^ ^[hWe dS` Y[` Y Xda_ a` W fa X[hW kWSde S` V 7 ! , , _ [M[a` \$KI! 3 _ [M[a` % bd[` Sd[^k dW^SfWV fa fZW C adfYSYW 9Za[UW fdSVW` S_ We i [fZ [` VWX[` [fW ^[hWe) ?` SUUadVS` UW i [fZ 7 I 9 . 0+` fZW Wj UWee aX fZW fafS^ Ua` e[VWdSf[a` ahWd fZW XS[d hS^gWe aX fZW ` Wf fS` Y[T^W S` V [` fS` Y[T^W SeeWfe aX Sbbdaj[_ SfW^k 7 ! , + / _ [M[a` \$KI! 24 _ [M[a` % i Se dWUadVWV Se YaaV i [M[a` fZW fdS` eSUf[a`)

?` @g^k -+- , ' fZW 9a_ bS` k W` fWdWV [` fa S` SYdWW_ W` f fa SUCg[dW fZW E[^ Fd[UW ?` Xad_ Sf[a` IWdh[UW Tge[` Wee S` V dW^SfWV SeeWfe \$qEF?I r% Xda_ I # F =^aTS^ ?` U) \$qI # Fr% S` V ?> I C Sd][f BfV) \$q?> I r% Xad ! ,) , 0 T[M[a` [` USeZ' egT\WUf fa Ugefa_ Sdk bgdUZSeW bd[UW SV\gef_ W` fe) EF?I [e S Y^aTS^ [` Vgefdk eFS` VSdV Xad TW` UZ_ Sd] S` V dWXWdW` UW bd[U[` Y S` V ` W i e S` V S` S^kf[ue Xad fZW a[^ ` SfgdS^ YSe ^[cg[Ve S` V T[aXgW^e [` Vgefd(We) JZW Tge[` Wee S^ea bdah[VWe bd[U[` Y S` V ` W i e S` V S` S^kf[ue Xad fZW UaS^ _ [` Y S` V _ WfS^e W` V _ Sd] Wfe S` V [` e[YZfe S` V S` S^kf[ue [` dW` W i ST^We S` V USdT a` bd[U[` Y) EF?I i [M TW S egTe[V[Sdk aX : a i @a` We' S` V [fe dWeg^fe i [M TW [` U^gVWV [` fZW : a i @a` We eWY_ W` f) JZW SUCg[e[fa` [e egT\WUf fa Ugefa_ Sdk U^ae[` Y Ua` V[f[a` e' [` U^gV[` Y dWYg^Sfadk SbbdahS^e S` V fZW Ua` eg_ _ Sf[a` aX fZW I # F S` V ?> I _ WdYWd' S` V [e Wj bWUfWV fa U^aeW [` fZW eWUa` V ZS^X aX X[eUS^ -+-)

CDI: /) G : HIGJ 8 I JG d _ d c † c

CDI : 0) >CK : HIB : CIH

JZW 9a_bS`kse [`hWef_W`fe i WdW Ua_bd[eWV aX fZW Xa^a i [`Y5

Dg^UbcXl` EUbSU^dQWU Qc_Y HU`dU] RUB .+' -+-,	6c_Y HU`dU] RUB .+' -+-,	6c_Y ?e^U .+' -+-,
\$Y^] Wl_`c%		

;cg[fk _WfZaV [`hWef_W`fe ^{SS}	hSd[age !	-, , !	2,
;cg[fk eWUgd[f[We ST	hSd[age	-33	-3+
JafS^ ?`hWef_W`fe	[f	%%%o Z E	! /44 !%o .0,

\$\$% : gd[`Y fZW fZdWW _a`fZe W`VWV I W~~W~~ C 9a_bS%~~o~~ W V

C : LH 8DGEDG6 I>DC

CDI : H ID I = : JC6J9>I : 9 8DCHDA>96I : 9 ;>C6C8>6A HI 6I : B : CIH

CDI : 1) 7DGGDL>C<H

JZW 9a_bs`kse fafs^ Tadda i [`Ye Ua`e[ef aX fZW Xa^a i [`Y5

>^dUbUcd bQdU Qd HU`dU] RUB .+' -+-,	B Qdeblydi Qd HU`dU] RUB .+' -+-,	6c_Y HU`dU] RUB .+' -+-,	6c_Y ?e^U .+' -+-,
\$Y^] \V_^c%			

CUgc 8 b` bQdU ^				
-+-, IW`[ad `afWe	.)320 "	CSk ,0' -+-4 !	431 !	430
; hdU\ <b e`SQ%				
-+, 4 9dWV[f XSU^[fk ^{STy}	-). - "	CSk ., ' -+-/	-, 3	- . -
-+, 4 JWd_ ^aS` XSU^[fk	1)-0 "	Dah --' -+-/	, 3,	, 4+
-+, 2 Mad][`Y USB[fs^ XSU^[fk ^{STy}	-). - "	CSk ., ' -+-/	p	p
JW^efds <SU^[fk	2)3- "	: WU --' -+-2	13	1+
-+, - KI bd[hSfW b^SUW_ W`f p KI : badf[a` p fdS`UZW - ^{SUx}	/)-2 "	@g^ -0' -+-	, 44	-+-
-+, - KI bd[hSfW b^SUW_ W`f p KI : badf[a` p fdS`UZW . ^{SUx}	/)/- "	@g^ -0' -+-/	, 0+	, 0-
-+, - KI bd[hSfW b^SUW_ W`f p 7K : badf[a`	2)+/ "	@g^ -0' -+-	2/	23
G : 6 <b e`SQ%				
-+-, 8d[VYW XSU^[fk	p "	@g^ ., ' -+-	p	., /
-+- 9dWV[f XSU^[fk p fdS`UZW , ^{SVx}	),)+1 "	IWb ,1' -+-/	-4+	p
-+- 9dWV[f XSU^[fk p fdS`UZW - ^{SVx}	),)-, "	IWb ,1' -+-0	4	p
; I^Q^SU \UQeU Q^T dxUb \VQR\vdUc			34	, ++
Jafs^ Tadda i [`Ye			-'-1/	-' . , .
BWeeS UgddW`f badf[a` ^{SWx}			\$. ++%	\$ -3%
Ba` Y(fWd_ Tadda i [`Ye			! , '41/	! -'-30

SS% JZWeW Tadda i [`Ye i WdW [`UgddWV Tk UWdfS[`egTe[V[Sd[We aX DN ; 7 gefdS^S Ffk B[_ [fWV \$fZW q<a jfW^ =dagbr S`V faYwFZWd i [fZ egUZ egTe[V[Sd[We` fZW q<a jfW^ : Wtf =dagbr% S`V H ; 7 =dagb S`V UWdfS[`aX [fe egTe[V[Sd[We \$H ; 7 =dagb S`V UWdfS[`aX [fe egTe[V[Sd[We` fZW qH ; 7 : Wtf =dagbr% Ua`ea^VSfWV Tgf`a` i Za^k(a i `WV egTe[V[Sd[We aX DW i e 9adb` S`V SdW a`^k YgSdS` fWVW Tk fZW <a jfW^ =dagb S`V H ; 7 =dagb S`V fZW[d dWebWUf[hW egTe[V[Sd[We` Se Sbb^UST^W` S`V SdW `a` (dWUagdeW fa DW i e 9adb)

ST% 7e aX IWbWV_TWd .+' -+-, ' fZW <a jfW^ : Wtf =dagb ZSV g`VdS i ` Ua__ [f_W` fe aX 7 ! . . 4 _[a` ShS^AST^W g`VWd fZWeS XSU^[f[We)

SU% JZW USddk[`Y hS^gWe aX fZW Tadda i [`Ye [`U^gVW S`k XS[d hS^gW SV\gef_W` fe dW^SfWV fa fZW 9a_bs`kse XS[d hS^gW ZWVYWe) IWW DafW 3 p <[`S`U[S^ ?`efdG_W` fe S`V <S[d LS^gW CWSegdW_W` fe)

SV% 7e aX IWbWV_TWd .+' -+-, ' H ; 7 =dagb ZSV fafs^ g`VdS i ` Ua__ [f_W` fe aX 7 ! , 32 _[a` ShS^AST^W g`VWd fZW -+- 9dWV[f <SU^[fk \$Se VWX[`WV TW^a i %)

SW% JZW 9a_bs`k U^See[X[We fZW UgddW`f badf[a` aX ^a`Y fWd_ VWTF Se `a` (UgddW`f ^[ST^[f[We a` fZW 8S^S`UW IZWWfe i ZW` [f ZSe fZW [`fW` f S`V ST^[f[fa dWX[`S`UW fZW aT^[YSf[a` a` S`a`Y(fWd_ TSe[e' [`SUUadVS`UW i [fZ 7 I 9 /2+(O+ q : WTF)r ! -2 _[a` S`V ! -3 _[a` dW^SfWe fa fZW UgddW`f badf[a` aX X[`S`UW ^WSeW ^[ST^[f[We Se aX IWbWV_TWd .+' -+-, S`V @g`W .+' -+-, ' dWebWUf[hW^k)

9 . * 0NKQL 9BCFJ>J@FJD

:gd[`Y fZW fZdWV_ a` fZe W`VWV IWbWV_TWd .+' -+-, ' H ; 7 =dagb Ua_b^WfWV S VWTF dWX[`S`U[`Y [` i Z[UZ [f dWbS[V S^a S_ag` fe agfefS`V[`Y g`VWd [fe -+-, 8d[VYW XSU^[fk i [fZ fZW bdaUWVVe Xda_ S`W i 7 ! 1++ _[a` g`eWUgddWV ek`V[USfWV UdWV[f XSU^[fk \$fZW q-+- 9dWV[f <SU^[fkr% Ua`e[ef] `Y aX f i a egT(XSU^[f[WeS \$[S fZdWV kWSd' 7 ! /++ _[a` dWha^h[`Y ^aS` XSU^[fk \$fZW q-+- 9dWV[f XSU^[fk p fdS`UZW , r% S`V \$[[S Xagd kWSd' 7 ! -++ _[a` dWha^h[`Y ^aS` XSU^[fk \$fZW q-+- 9dWV[f XSU^[fk p fdS`UZW -r%) H ; 7

=dagb _Sk dWcgWef [^ UdWSeWe [^ fZW S_ ag` f aX fZW -+-- 9dWV[f <SU^[fk gb fa S _Sj[_g_ S_ ag` f aX 7!0++ _^[a`' egT\WUf fa fZW fWd_e S` V ^[_fSf[a`e eWf XadFZ [^ fZW ek` V[USfWV XSU^[fk SYdWW _W` f)

8adda i [^ Ye g` VVd fZW -+-- 9dWV[f XSU^[fk p fdS` UZW , SUUdgW [^ fWdWef Sf S dSfW aX fZW 7 gefdS^S` 88 IO b^ge S _SdY[^ aX TWf i WW` ,)++ " S` V -),+ " ' VWbW` V[^ Y a` H; 7 =dagbse `Wf ^WhWdSYW dSf[a] 8adda i [^ Ye g` VVd fZW -+-- 9dWV[f XSU^[fk p fdS` UZW - SUUdgW [^ fWdWef Sf S dSfW aX fZW 7 gefdS^S` 88 IO b^ge S _SdY[^ aX TWf i WW` ,),0 " S` V -)-0 " ' VWbW` V[^ Y a` H; 7 =dagbse `Wf ^WhWdSYW dSf[a] 8afZ fdS` UZWe USddk S Ua _ _[f _W` f XWW aX /+ " aX fZW Sbb^[UST^W _SdY[^ a` S` k g` VdS i ` TS^S` UW)

JZW -+-- 9dWV[f <SU^[fk dWcg[dWe H; 7 =dagb fa _S[^ fS[^ \$[% S` Wf ^WhWdSYW dSf[a] aX `af _adW fZS` .)0 fa ,)+ S` V \$[[% S` [^ fWdWef UahWdSYW dSf[a] aX `af ^Wee fZS` .)+ fa ,)+) JZW ek` V[USfWV XSU^[fk SYdWW _W` f S^ea Ua` fS[^ e UWdS[^ afZWd Ugefa _Sdk SXX[d _Sf[hW S` V `WYSf[hW UahW` S` fe) I gT\WUf fa UWdS[^ Wj UWbf[a`e` fZWeW UahW` S` fe dWefd[Uf ad bdaZ[T[f H; 7 =dagb S` V [fe egTe[V[Sd[We Xda _ ` S_a` Y afZWd fZ[^ Ye' [^ Ugdd[^ Y ad YgSdS` fWW[^ Y VWTf` V[ebae[^ Y aX UWdS[^ bdabWdf[We ad SeeWfe' _WdY[^ Y ad Ua` ea^[VSf[^ Y i [fZ S` k afZWd bWdea ` _S][^ Y X[^ S` U[S` SUUa _ _aVSf[a` ShS^[ST^W` W` fWd[^ Y [^ fa UWdS[^ afZWd X[^ S` U[^ Y SddS` YW _W` fe' UdWSf[^ Y ad bWd _[ff[^ Y UWdS[^ ^[W` e' W` YSY[^ Y [^ ` a` Sd_es ^W` YfZ fdS` eSUF[a` e i [fZ SXX^[SfWe' g` VVdYa[^ Y Xg` VS _W` fS^ Tge[^ Wee UZS` YWe S` V _S][^ Y dWefd[UfWV bSk _W` fe)

, **KRBJ>JPO**

JZW 9a_bS`kse Tadda i [^ Ye S` V fZaeW aX [fe Ua` ea^[VSfWV egTe[V[Sd[We Ua` fS[^ Ugefa _Sdk dWbdWeW` fSf[a`e' UahW` S` fe S` V WhW` fe aX VWXSG^f' [^ U^gV[^ Y fZaeW V[eUgeeWV STahW S` V [^ fZW 9a_bS`kse -+-- , <ad_ ,+(A) ?X S` k aX fZW WhW` fe aX VWXSG^f aUUGd S` V SdW `af UgdWV i [fZ[^ Sbb^[UST^W YdSUW bWd[aVe ad i S[hWV` S` k g` bS[V S_ ag` fe g` VVd fZW Sbb^[UST^W VWTf SYdWW _W` fe _Sk TW VWU^SdWV [_ _WV[SfW^k VgW S` V bSkST^W) JZW 9a_bS` k i Se [^ Ua_b^[S` UW i [fZ S^ egUZ UahW` S` fe Sf IWbfW _TWd .+` -+-- ,)

CDI : 2) : FJ>IN

JZW Xa^a i [^ Y fST^We eg _ _Sd[1W UZS` YWe [^ Wcg[fk Xad fZW fZdWW _a` fZe W` VWV IWbfW _TWd .+` -+-- , S` V -+--5

	8\Qcc 6 8_]]_^ Hd_S[	8\Qcc 7 8_]]_^ Hd_S[	6TT^d_ ^Q\ EQIT(1^ 8Q`idQ)	6SSe] e\QdUT 9UVSId	6SSe] e\QdUT 8_] `bUXU^eIFU A_cc	I_dQ\ CUgc 8_b` :aeIdi	C_ ^(S_ ^db_ \|^W >^dUblcdc	I_dQ\ :aeIdi							
8S^S`UW' @g`W .+` -+-- ,	.4,	!	/	-+--	!	-	!,-'+02	!	\$-'4, ,%	!	\$4/, %	!	3'-, ,	!	4.0	!	4', /1
DWf [^ Ua_ W	p	p	p	p	p	p	,41	p	,41	2,	-12						
EfZWd Ua_ bdWZ` e[hW ^ae	p	p	p	p	p	p	\$, -+%	\$, -+%	\$.3%	\$.03%							
: [h[VW` Ve	p	p	p	p	\$04%	p	p	\$04%	\$-2%	\$31%							
EfZWd	-	p	p	p	\$.3%	p	p	\$.3%	\$.%								

Hd_S[GU` ebSXQcUc

E` IWbfW_TWd --' -+-,' fZW 9a_bS`k S``ag`UWV S`Wi efaU] dWbgdUZSeW bdaYdS_ SgfZad[1`Y fZW 9a_bS`k fa bgdUZSeW gb fa
!, T^a`

C : LH 8DGEDG6 I>DC
CDI : H ID I = : JC6 J9>I : 9 8DCHDA>96 I : 9 ;>C6C8>6A HI 6 I : B : CIH

JZW Xa^a i [^ Y fST^W eg __ Sd[1We fZaeW SeeWfe S^ V ^[ST^[fWe _ WSegdWV Sf XS[d hS^gW a` S dWUgdd[^ Y TSe[e5

Table with 8 columns: 6c_V HU^dU] RUB .+ ' -+-, 6c_?e^U .+ ' -+-, AUfU\ , AUfU\ - AUfU\ . I_dQ\ AUfU\ , AUfU\ - AUfU\ . I_dQ\ \$Y^]\|_ ^c%

Table with 8 columns: 6ccUdc5, 9daee(UgddW^ Uk [^ fWdWef dSfW VWd[hSf[hWe (XS[d hS^gW ZWVYWe, 9daee(UgddW^ Uk [^ fWdWef dSfW VWd[hSf[hWe ;cg[fk eWUgd[fWe^SS, I_dQ\ QccUdc, A\QR\|YdYUc5, ?^ fWdWef dSfW VWd[hSf[hWe (UseZ X^a i ZWVYWe, 9daee(UgddW^ Uk [^ fWdWef dSfW VWd[hSf[hWe, I_dQ\ \|QR\|YdYUc

\$\$% IWW DafW 0 p ?^ hWef_ W^ fe)

: gd[^ Y fZW fZdWW _a^ fZe W^ VWV IWbfW_TWd .+ ' -+-, ' fZW 9a_ bS^ k dWU^See[X[WW [fe [^ hWef_ W^ f [^ S^ Wcg[fk eWUgd[fk Xda_ BWhW^ . fa BWhW^ , i [fZ[^ fZW XS[d hS^gW Z[WdSdUZk Se fZW [^ hWef_ W^ f TWUS_ W bgT^[U^k fdSVWV [^ fZW X[def cgSdfWd aX X[eUS^ -+-)

: ae^di cUSeb^dUc

JZW XS[d hS^gWe aX Wcg[fk eWUgd[fWe i [fZ cgafWV bd[UWe [^ SUf[hW _Sd]Wfe SdW VWfWd_ [^ WV TSeWV a^ fZW U^ae[^ Y bd[UW Sf fZW W^ V aX WSUZ dWbadf[^ Y bWd[aV] JZWeW eWUgd[fWe SdW U^See[X[WW Se BWhW^ , [^ fZW XS[d hS^gW Z[WdSdUZk agf^[^ WV STahW] JZW XS[d hS^gWe aX Wcg[fk eWUgd[fWe i [fZagf dWSV[^k VWfWd_ [^ ST^W XS[d _Sd]Wf hS^gWe SdW VWfWd_ [^ WV TSeWV a^ UaeV ^Wee S^ k [_bS[d_ W^ f^ b^ge ad [^ ge UZS^ YWe [^ XS[d hS^gW dWeg^f[^ Y Xda_ aTeWdhST^W bd[UW UZS^ YWe [^ adVWd^k fdS^ eSUf[a^ e Xad S^ [VW^ f[U^S^ ad e[_^Sd [^ hWef_ W^ f aX fZW eS_ W [eegWd] JZWeW eWUgd[fWe SdW U^See[X[WW Se BWhW^ . [^ fZW XS[d hS^gW Z[WdSdUZk agf^[^ WV STahW]

7 da^Xad i SdV aX fZW 9a_ bS^ kse Wcg[fk eWUgd[fWe U^See[X[WW Se BWhW^ . [e Se Xa^a i e5

Table with 3 columns: ;_b dXU dXbUU]_^dXc U^TUT HU^dU] RUB .+ ' -+-, -+ +, \$Y^]\|_ ^c%, 8S^S^ UW (TWY[^^ [^ Y aX bWd[aV, 7VV[f[a^e, HWfgd^e aX USB[fs^, C WSegdW_ W^ f SV\gef_ W^ fe, <adW[Y^ WjUZS^ YW S^ V afZWd^SS, 8S^S^ UW (W^ V aX bWd[aV

\$\$% : gd[^ Y fZW fZdWW _a^ fZe W^ VWV IWbfW_TWd .+ ' -+-, ' fZW 9a_ bS^ k dWU^See[X[WW [fe [^ hWef_ W^ f [^ S^ Wcg[fk eWUgd[fk Xda_ BWhW^ . fa BWhW^ , i [fZ[^ fZW XS[d hS^gW Z[WdSdUZk Se fZW [^ hWef_ W^ f TWUS_ W bgT^[U^k fdSVWV [^ fZW X[def cgSdfWd aX X[eUS^ -+-)

9UbfQd^fU >^edbe] U^dc

JZW 9a_ bS^ k [e [dWUf^k S^ V [^ V[dWUf^k SXXWUfWV Tk d[e]e SeeaU[SfWV i [fZ UZS^ YWe [^ UWdfS[^ _Sd]Wf Ua^ V[f[a^ e) MZW^ VWV_ WV Sbbdabd[SfW^ fZW 9a_ bS^ k geWe VWd[hSf[hW [^ efdg_ W^ fe fa _ [fYSfW fZW bafW^ f[S^ [_bSuf aX fZWeW _Sd]Wf d[e]e) JZW bd[_Sd]Wf d[e]e _S^ SYWV Tk fZW 9a_ bS^ k fZdagYZ fZW geW aX VWd[hSf[hW [^ efdg_ W^ fe [^ U^gVW5

n XadW[Y^ UgddW^ Uk WjUZS^ YW dSfW d[e]5 Sd[e] Y bd[_Sd]^k fZdagYZ <ajfW^ : WTf =dagb Tadda i [^ Ye VW^ a_ [^ SfWV [^ K^ [fWV IfSfWe \$qK)I)r% Va^Sde^ bSk_ W^ fe Xad Ugefa_ Wd bdW_ [eW Wcg[b_ W^ f S^ V UWdfS[^ bdaYdS_ _ [^ Y d[YZfe6 S^ V

n [fWdWef dSfW d[e]5 Sd[e] Y Xda _ X[jWV S`V X^aSf`Y dSfW <ajfW^ : Wtf =dagb Tadda i [`Ye)

JZW 9a_bS`k Xad_S^k VWe[Y`SfWe cgS^Xk[`Y Vwd[hSf[hWe Se ZWVYW dW^Sf[a`eZ[be \$qZWVYWer% S`V Sbb^hWe ZWVYW SUUag`f[`Y i ZW` Ua`e[VWdWV Sbbdabd[SfW) JZW 9a_bS`k VaWe `af geW Vwd[hSf[hW X[`S`U[S^ [`efdg_ W` fe Xad fdSV[`Y ad ebWUg^Sf[hW bgdbaeWe)

: Wd[hSf[hWe SdW U^See[X[WV Se UgddW`f ad `a` (UgddW`f [`fZW 8S^S`UW IZWWfe TSeWV a` fZW[d _Sfgd[fk VSfWe) HWWWd fa fZW fST^W TW^a i Xad XgdfZWd VWfS[^e5

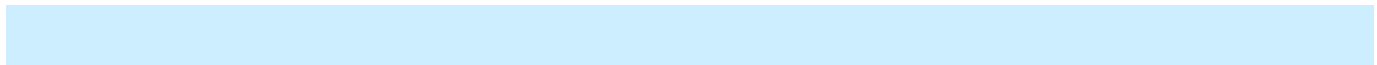
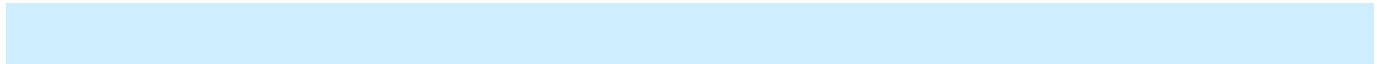
	7Q(Q^SU HXUud A_SQdI_^	6c_Y HU`dU] RUB .+' -+-,	6c_Y ?e^U .+' -+-,
9daee UgddW`Uk [`fWdWef dSfW Vwd[hSf[hWe (XS[d hS^gW ZWVYWe	EfZWd UgddW`f SeeWfe	! ,+ !	p
9daee UgddW`Uk [`fWdWef dSfW Vwd[hSf[hWe	EfZWd UgddW`f SeeWfe	/-	p
9daee(UgddW`Uk [`fWdWef dSfW Vwd[hSf[hWe (XS[d hS^gW ZWVYWe	EfZWd `a` (UgddW`f SeeWfe	4	,3
9daee(UgddW`Uk [`fWdWef dSfW Vwd[hSf[hWe	EfZWd `a` (UgddW`f SeeWfe	.0	2.
?`fWdWef dSfW Vwd[hSf[hWe (UseZ X^a i ZWVYWe	EfZWd UgddW`f ^[ST[^f[We	\$2%	\$1%
?`fWdWef dSfW Vwd[hSf[hWe (UseZ X^a i ZWVYWe	EfZWd `a` (UgddW`f ^[ST[^f[We	p	\$.%
9daee(UgddW`Uk [`fWdWef dSfW Vwd[hSf[hWe	EfZWd UgddW`f ^[ST[^f[We	\$.%	p
9daee(UgddW`Uk [`fWdWef dSfW Vwd[hSf[hWe	EfZWd `a` (UgddW`f ^[ST[^f[We	\$3%	\$.%

JZW 9a_bS`k gf^[1We S Ua_T[`Sf[a` aX XadW[Y` UgddW`Uk Vwd[hSf[hWe S`V [`fWdWef dSfW Vwd[hSf[hWe fa _[f[YSfW UgddW`Uk Wj UZS`YW dSfW d[e] S`V [`fWdWef dSfW d[e] [`dW^Sf[a` fa XgfgdW [`fWdWef S`V bd[`U[bS^ bSk_ W` fe S`V bSk_ W` fe Xad Ugefa_ Wd bdW_ [eW Wcg[b_ W` f S`V UWdfS[` bdaYds_ _ [`Y d[YZfe)

JZW fafS^ `af[a`S^ hS^gW aX XadW[Y` UgddW`Uk Ua`fdSuf Vwd[hSf[hWe VWe[Y`SfWV Xad ZWVY[`Y i W

[b

JZW Xa^a i [^Y fST^We bdWeW`f fZW [_bSuf fZSf UZS`YWe [^fZW Xs[d hS^gWe ZSV a` 7UUg_g^SfWV afZWd Ua_bdWZW`e[hW ^aee S`V fZW IfSfW_`W`fe aX EbWdSf[a`e Vgd[^Y fZW fZdWW _a`fZe W`VWV IWbfW_TWd .+' -+- , S`V -+++ Xad TafZ VWd[hSf[hWe VWe[Y`SfWV Se USeZ X^a i ZWVYWe fZSf Ua`f[^gW fa TW Z[YZ^k WXXWUf[hW S`V VWd[hSf[hWe [^f[S^k VWe[Y`SfWV Se USeZ X^a i ZWVYWe Tgf Xad i Z[UZ ZWVYW SUUag`f[^Y i Se V[eUa`f[^gWV Se aX :WUW_TWd .,' -+++5



C : LH 8DGEDG6 I>DC

CDI : H ID I = : JC6J9>I : 9 8DCHDA>96I : 9 ;>C6C8>6A HI 6I : B : CIH

CDI : 4) : 6GC>C<H \$ADHH% E : G H = 6G :

JZW Xa^a i [`Y fST^We eWf XadFz fZW Ua _ bgfSf[a` aX TSe[U S` V V[^gfWV Wsd [`Ye \$^aee% bWd eZSdW g` VWd 7I9 -1+' q ; Sd [`Ye bWd IZSdWr5

	;_b dXU dXbUU]_^dXc U^TUT HU` dU] RUB .+' -+-, -++	
	\$f^] \ \ ^c' UhSU` d ` Ub cXQbU Q] _e^dc%	
DWf [`Ua _ W	!	-12 ! /2
BWeeS DWf [`Ua _ W Sffd[TgfST^W fa `a` Ua` fda^ [`Y [`fWdWefe		\$2, % \$, .%
DWf [`Ua _ W Sffd[TgfST^W fa DW i e 9adbadSf[a` efaU]Za^VWde	!	,41 ! ./
MW[YZfWV(ShWdSYW `g_ TWd aX eZSdWe aX Ua _ _ a` efaU] agfefS` V[`Y (TSe[U		04,)2 034)0
: [^gf[hW WXXWUf aX Wcg[fk S i SdVe		-)2 ,).
MW[YZfWV(ShWdSYW `g_ TWd aX eZSdWe aX Ua _ _ a` efaU] agfefS` V[`Y (V[^gfWV		04)/ / 04+)3
DWf [`Ua _ W Sffd[TgfST^W fa DW i e 9adbadSf[a` efaU]Za^VWde bWd eZSdW (TSe[U S` V V[^gfWV	!	+).. ! +)1

CDI : ,+) 8DB B>I B : CIH 6C9 8DCI>C< : C8> : H

, KI I FP I B J P O

JZW 9a _ bS` k ZSe Ua _ _ [f_ W` fe g` VWd UWdSf[` X[d_ Ua` fdSUfgS^ SddS` YW_ W` fe \$qX[d_ Ua _ _ [f_ W` fer% fa _ S]W XgfgdW bSk_ W` fe) JZWeW X[d_ Ua _ _ [f_ W` fe eWUgdW fZW XgfgdW d[YZfe fa hSd[age SeeWfe S` V eWdh[UWe fa TW geWV [` fZW ` ad_ S^ UagdeW aX abWdSf[a` e) JZW 9a _ bS` kse Ua _ _ [f_ W` fe Se aX I WbfW_ TWd .+' -+-, ZShW ` af UZS` YWV e[Y` [X[US` f^k Xda_ fZW V[eU^aegdWe [` U^gVWV [` fZW -+-, <ad_ ,+(A)

, K J P J D B J @ F B O

JZW 9a _ bS` k dagf[` W^k [e [` ha^hWV [` hSd[age ^WYS^ bdaUWWV[` Ye U^S[_ e S` V YahWd` _ W` fS^ [` ebWUf[a` e ad [` hWef[YSf[a` e' [` U^gV[` Y fZaeW V[eUgeeWV TW^a i) JZW agfUa _ W aX fZWeW _ SffWde S` V U^S[_ e [e egT^WUf fa e[Y` [X[US` f g` UWdSf[` fk` S` V fZW 9a _ bS` k aXfW` US` ` af bdWV[Uf i ZSf fZW WhW` fgS^ agfUa _ W aX bW` V[` Y _ SffWde i [^ TW ad fZW f[_ ` Y aX fZW g^f[_ Sfw dWe^agf[a` aX fZWeW _ SffWde) <WWe' Wj bW` eWe' X[` We' bW` S^f[We' \gVY_ W` fe ad eWff^W_ W` f UaeFe i Z[UZ _ [YZf TW [` UgddWV Tk fZW 9a _ bS` k [` Ua` ` WUf[a` i [fZ fZW hSd[age bdaUWWV[` Ye Uag^V SVhWdeW^k SXXWUf [fe dWeg^fe aX abWdSf[a` e S` V X[` S` U[S^ Ua` V[f[a`)

JZW 9a _ bS` k WefST^eZWe S` SUUdgWV ^ST[^fk Xad ^WYS^ U^S[_ e i ZW` [f VWfWd [` We fZSf S ^aee [e TafZ bdaTST^W S` V fZW S _ ag` f aX fZW ^aee US` TW dWSea` ST^k Wef[_ SfwV) E` UW WefST^eZWW` SUUdgS^e SdW SV\gefWV Xda _ f[_ W fa f[_ W` Se Sbbdabd[Sfw' [` ^YZf aX SVV[f[a` S^ [` Xad_ Sf[a`) JZW S _ ag` f aX S` k ^aee g^f[_ Sfw^k [` UgddWV [` dW^Sf[a` fa _ SffWde Xad i Z[UZ S` SUUdgS^ ZSe TWW` WefST^eZWW` _ Sk TW Z[YZWd ad ^a i Wd fZS` fZW S _ ag` fe SUUdgWV Xad egUZ _ SffWde) BWYS^ XWWe SeeaU[SfwV i [fZ ^f[YSf[a` S` V e[_ [^Sd bdaUWWV[` Ye SdW Wj bW` eWV Se [` UgddWV) ; j UWbf Se afZwd i [eW bdah[VWV TW^a i` Xad fZW Ua` f[` YW` U[We V[eU^aewV Xad i Z[UZ fZWdW [e SF ^WSeF S dWSea` ST^W baee[T[^fk fZSf S ^aee _ Sk TW [` UgddWV` fZW 9a _ bS` k i Se g` ST^W fa Wef[_ Sfw fZW S _ ag` f aX ^aee ad dS` YW aX ^aee) JZW 9a _ bS` k dWUaY` [1We YS[` Ua` f[` YW` U[We i ZW` fZW YS[` TWUa_ We dWS^ [1WV ad dWS^ [1ST^W)

?` CSk -+++' fZW 9a _ bS` k ea^V [fe DW i e 7 _ Wd[US C Sd] Wf[` Y Tge[` Wee) ?` fZW fdS` eSUf[a` ' fZW 9a _ bS` k dWfS[` WV UWdSf[` ^ST[^f[We' [` U^gV[` Y fZaeW Sd[e[` Y Xda_ fZW ^WYS^ bdaUWWV[` Ye i [fZ ` e[Y` [S IkefW_ e` ?` U) \$q?` e[Y` [Sr% S` V LS^See[9a _ _ g` [USf[a` e` ?` U) \$qLS^See[er% VWeUd[TWV TW^a i)

E` @g^k , , -+, 4' ?` e[Y` [S X[^WV S Ua _ bS[` f [` fZW K)I) : [efd[Uf 9agdf Xad fZW : [efd[Uf aX C [` WeafS SYS[` ef DW i e 7 _ Wd[US C Sd] Wf[` Y <I? B)B)9) \$qD7 C <I?r%` DW i e 7 _ Wd[US C Sd] Wf[` Y ?` (IfadW I Wdh[UWe B)B)9) \$qD7 C ?` (IfadWr% S` V DW i e 9adbadSf[a` \$faYWfZWd' fZW qD7 C FSdf[Wer% S^WY[` Y h[a^Sf[a` e aX XWVWdS^ S` V efSfW S` f[fdfgef ^S i e S` V Ua _ _ a` ^S i Tgef` Wee fadfe) JZW Ua _ bS[` f eWV]e fdTW^W VS _ SYWe' [` \g` Uf[hW dW^ [WX S` V Sffad` Wkes XWWe S` V UaeFe) E` 7gYgef , /' -+, 4' fZW D7 C FSdf[We S` e i WdWV fZW Ua _ bS[` f S` V SeeWdWV S Uag` fWdU^S[_ SYS[` ef ?` e[Y` [S Xad TdWSUZ aX Ua` fdSUf' S^WY[` Y fZSf ?` e[Y` [S h[a^SfWV S bd[ad eWff^W_ W` f SYdWV_ W` f TWf i WW` D7 C ?` (IfadW S` V ?` e[Y` [S) E` @g^k , + -+++' fZW D7 C FSdf[We X[^WV S _ af[a` Xad

C : LH 8DGEDG6I>DC

CDI : H ID I = : JC6J9>I : 9 8DCHDA>96I : 9 ;>C6C8>6A HI 6I : B : CIH

eg__Sdk\gVY_w`f a` fZW Uag`fWdU^S[_` i Z[UZ i Se YdS`fWV [` bSdf S`V VW` [WV [` bSdf a` : WUW_TWd 2' -+--+ JZW Uagdf Xag`V fZSf ?`e[Y` [S ZSV TdWSUZWV fZW bd[ad eWff^W_w`f SYdWW_w`f S`V efdgU] fZW S^M^WYSf[a`e [` ?`e[Y` [Sse Ua__b^S[`f fZSf h[a^SfWV fZW SYdWW_w`f) E` 7gYgef -2' -+--, ' fZW D7 C FSdf[We X[AWV S __af[a` Xad eg__Sdk\gVY_w`f V[e _[ee[`Y fZW USew` i Z[UZ ?`e[Y` [S ZSe abbaeWV) MZ[AW [f [e `af baee[T^W Sf fZ[e f[_w fa bdWV[Uf i [fZ S`k VWYdWw aX UWdfS[`fk fZW g^f[_SfW agfUa_w aX fZ[e SUf[a` ` fZW D7 C FSdf[We TW^WhW fZWk ZShW TWW` Ua__b^S[`f i [fZ Sbb^U[ST^W^S i e S`V [`fW`V fa VWXW`V fZW_eW^hWe h[Yadage^k)

?` DahW_TWd -+, .` LS^See[e X[AWV S Ua__b^S[`f [` fZW K)I) : [efd[Uf 9agdf Xad fZW ;SefWd` : [efd[Uf aX C[UZ[YS` SYS[`ef fZW D7 C FSdf[We S`V DW i e 7_Wd[US ?` UadbadSfWV` i Z[UZ i Se egTeWcgW` f^k fdS`eXWddWV fa fZW K)I) : [efd[Uf 9agdf Xad fZW IagfZWd` : [efd[Uf aX DW i Oad] \$fZW D)O) : [efd[Uf 9agdf%) JZW Ua__b^S[`f S^M^WYV h[a^Sf[a`e aX XWVWdS^ S`V efSfW S`f[fdfge`S i e S`V Ua__a` ^S i Tge[`Wee fadfe S`V eagYZf fdWT^W VS _SYWe[` \g`Uf[hW dW^WX S`V Sffad`Wkes XWWe S`V Uae) JZW fd[S^ TWYS` a` @g`W -4' -+--, S`V a` @g^k ,3' -+--, ' fZW bSdf[We SYdWwV fa eWff^W fZW ^[f[YSf[a` ` S`V LS^See[ese U^S[_e i WdW V[e _[eeWV i [fZ bdW\gV[UW a` @g^k ,4' -+--, .)

8WY[` ` [` Y [` <WTdgSdK -+--, ' S `g_TWd aX bgdbadfWV U^See SUf[a` Ua__b^S[`fe ZShW TWW` X[AWV [` fZW D)O) : [efd[Uf 9agdf SYS[`ef 7_S1a`Ua__ ` ?` U) \$q7_S1a`r% S`V UWdfS[` bgT^a[eZWde[` U^gV[` Y fZW 9a__bS`kse egTe[V[Sdk` >SdbWd9a^a[`e FgT^a[eZWde` B)B)9) \$q>SdbWd9a^a[`er S`V faYWfZWd i [fZ fZW afZWd bgT^a[eZWde` fZW qFgT^a[eZWder%` S^M^WY[` Y h[a^Sf[a`e aX S`f[fdfge`S `V Ua__bW[f[f[a` ^S i e) JZW Ua__b^S[`fe eWV] fdWT^W VS _SYWe[` \g`Uf[hW dW^WX S`V Sffad`Wkes XWWe S`V Uae) ?` IwbfW_TWd -+--, ' 7_S1a` S`V fZW FgT^a[eZWde X[AWV __af[a`e fa V[e _[ee fZW Ua__b^S[`fe) MZ[AW [f [e `af baee[T^W Sf fZ[e f[_w fa bdWV[Uf i [fZ S`k VWYdWw aX UWdfS[`fk fZW g^f[_SfW agfUa_w aX fZWeW SUf[a`e` >SdbWd9a^a[`e TW^WhWe [f ZSe TWW` Ua__b^S[`f i [fZ Sbb^U[ST^W^S i e S`V [`fW`Ve fa VWXW`V [feW^X h[Yadage^k)

9[h[^ U^S[_e ZShW TWW` TdagYZf SYS[`ef fZW 9a__bS`k i [fZ dWebWuf fa` S_a`Y afZWd fZ[`Ye` ha[UW__S[^ fWdUWbf[a` S`V [` Sbbdabd[SfW bSk__w`fe fa bgT^a[U aXX[U[S^e Sf fZW 9a__bS`kse Xad__Wd bgT^a[USf[a` ` S`V Sf ` S`V dW^SfWV __SffWde \$fZW qK)A) DW i ebSbWd C.SffWder%) JZW 9a__bS`k ZSe SV _[ffWV ^[ST^a[fk [` _S`k U[h[^ USeWe S`V ZSe eWff^WV S `g_TWd aX USeWe) JZW 9a__bS`k S^ea eWff^WV S `g_TWd aX U^S[_e fZdagYZ S bd[hSfW Ua__bW`eSf[a` eUZW__w i Z[UZ i Se U^aeWV fa `W i U^S[_e SXfWd 7bd[^ 3' -+--, .)

?` Ua` `Wuf[a` i [fZ fZW eWbSdf[a` aX fZW 9a__bS`k Xda__ J i W`fk(<[def 9W`fgdk <aj` ?`U) \$q-,ef 9W`fgdk <ajr% a` @g`W -3' -+--, .` fZW 9a__bS`k S`V -,ef 9W`fgdk <aj SYdWwV [` fZW IwBsdSf[a` S`V : [efd[Tgf[a` 7YdWw__w`f fZSf -,ef 9W`fgdk <aj i ag^V [` VW__ [Xk fZW 9a__bS`k Xad bSk__w`fe _SVW SXfWd egUZ VSfW Sd[e[` Y agf aX U[h[^ U^S[_e S`V [` hWef[YSf[a`e dW^Sf[` Y fa fZW K)A) DW i ebSbWd C.SffWde Se i W^Se ^WYS^ S`V bdaXwee[a` S^ XWWe S`V WjBw`eWe bS[V [` Ua` `Wuf[a` i [fZ fZW bdWh[age^k Ua` U^gVWV Ud[_[` S^ _SffWde` afZWd fZS` XWWe` WjBw`eWe S`V Uae) fW^Sf[` Y fa W__b^akWWe \$[% i Za SdW `af V[dWUfade` aXX[UWde ad UWdfS[` VWe[Y` SfWV W__b^akWWe ad \$[[% i [fZ dWebWuf fa U[h[^ _SffWde` i Za SdW `af Ua(VWXW`VS`fe i [fZ fZW 9a__bS`k ad -,ef 9W`fgdk <aj) -,ef 9W`fgdk <ajse [` VW__ [X[USf[a` aT^a[YSf[a`e i [fZ dWebWuf fa fZWeW __SffWde SdW eWff^WV a` S` SXfWd(fSj TSe) ?` C.SdUZ -+,4' Se bSdf aX fZW eWbSdf[a` aX <EN 9adbSdf[a` \$q<ENr% Xda__ -,ef 9W`fgdk <aj` fZW 9a__bS`k` DW i e 9adb >a^V[`Ye KA # ?dW^S`V` -,ef 9W`fgdk <aj S`V <EN W`fWdWV [` fa S FSdf[S^ 7ee[Y` _W`f S`V 7eeg__bf[a` 7YdWw__w`f bgdeg`S`f fa i Z[UZ` S_a`Y afZWd fZ[`Ye' -,ef 9W`fgdk <aj See[Y` WV` Ua` hWkWV S`V fdS`eXWddWV fa <EN S^aX [fe [` VW__ [X[USf[a` aT^a[YSf[a`e i [fZ dWebWuf fa fZW K)A) DW i ebSbWd C.SffWde)

JZW `Wf WjBw`eW dW^SfWV fa fZW K)A) DW i ebSbWd C.SffWde [` I W^M[` Y` YW` WdS^ S`V SV _[` [efdSf[hW i Se !- _[^a` Xad TafZ fZW fZdWw __a`fZe W`VWV IwBfW_TWd .+` -+--, S`V -+--+ 7e aX IwBfW_TWd .+` -+--, ' fZW 9a__bS`k ZSe bdah[VWV Xad [fe TWef Wef[_SfW aX fZW ^[ST^a[fk Xad fZW U^S[_e fZSf ZShW TWW` X[AWV S`V Uae) [` UgddWV [` U^gV[` Y ^[ST^a[ff[We SeeaU[SfWV i [fZ W__b^ak__w`f fsjWe` S`V ZSe SUUdgWV Sbbdaj[_SfW^k !.3 _[^a`] JZW S__ag`f fa TW [` VW__ [X[WV Tk <EN aX Sbbdaj[_SfW^k !/1 _[^a` i Se dWUadVWV Se S dWUW[hST^W [` EfZWd Ugddw`f SeeWfe a` fZW 8S^S`UW IZWWf Se aX IwBfW_TWd .+` -+--, .) ?f [e `af baee[T^W fa Wef[_SfW fZW ^[ST^a[fk ad UaddWeba`V[` Y dWUW[hST^W Xad S`k SVV[f[a` S^ U^S[_e fZSf _Sk TW X[AWV Y[hW` fZW [` Xad__Sf[a` fZSf [e Ugddw`f^k ShS[ST^W fa fZW 9a__bS`k) ?X __adW U^S[_e SdW X[AWV S`V SVV[f[a` S^ [` Xad__Sf[a` TWUa__We ShS[ST^W` fZW 9a__bS`k i [^ gbVSfW fZW ^[ST^a[fk bdah[e[a` S`V UaddWeba`V[` Y dWUW[hST^W Xad egUZ __SffWde)

JZW 9a_bs`k [e `af ST^W fa bdWV[Uf fZW g^f[_SfW agfUa_W ad Uaef aX fZW U[h[^ U^S[_e) ?f [e baee[T^W fZSf fZWeW bdaUWWV[`Ye S`V S`k SVhWdeW dWea^gf[a` fZWdWax Uag^V VS_SYW [fe dWbgfSf[a`' [_bS[d [fe ST[^fk fa Ua` VgUf [fe Tge[`Wee S`V SVhWdeW^k SXXWUf [fe dWeg^fe aX abWdSf[a`e S`V X[`S`U[S^Ua`V[f(a`)

JZW 9a_bs`kse fSj dWfgd`e SdW egT\WUf fa a` (Ya[`Y dWh[W i S`V WjS_[`Sf[a` Tk hSd[age fSj SgfZad[f(We) JSj SgfZad[f(We _Sk `af SYdWW i [fZ fZW fdWSf_W`f aX [fW_e dWbadfWV [`fZW 9a_bs`kse fSj dWfgd`e' S`V fZWdWxAdW fZW agfUa_W aX fSj dWh[W i e S`V WjS_[`Sf[a`e US` TW g`bdWV[UfST^W)

JZW 9a_bs`k TW^WhWe [f ZSe Sbbdabd[SfW^k SUUdgWV Xad fZW Wj bWUfWV agfUa_W aX g`UWdfS[`fSj _SffWde S`V TW^WhWe egUZ ^[ST[^f[We dWbdWeW`f S dWSea`ST^W bdah[e[a` Xad fSjWe g^f[_SfW^k Wj bWUfWV fa TW bS[V6 Za i WhWd' fZWeW ^[ST[^f[We _Sk `WWV fa TW SV\gefWV Se `W i [`Xad_Sf[a` TWUa_We]`a i `S`V Se fSj WjS_[`Sf[a`e Ua` f[`gW fa bdaYdWee' ad Se eWff^W _W` fe ad ^[f[YSf[a`e aUUgd)

CDI: ,,)>C8DB: I6M:H

7f fZW W`V aX WSUZ [`fWd[_ bWd[aV' fZW 9a_bs`k Wef[_SfWe fZW S``gS^ WXXWUf[hW fSj dSfW S`V Sbb^[We fZSf dSfW fa [fe adV[`SdK cgSdfWd^k Wsd` [`Ye) JZW fSj Wj bW`eW ad TW`WX[f dW^SfWV fa e[Y` [X[US`f' g`gegS^ ad Wj fdSadV[`SdK [fW_e fZSf i [^ TW eWbSdSfW^k dWbadfWV ad dWbadfWV `Wf aX fZW[d dW^SfWV fSj WXXWUf SdW [`V[h[VgS^k Ua_bgfWV S`V dWUaY` [1WV [`fZW [`fWd[_ bWd[aV [` i Z[UZ fZaeW [fW_e aUUgd) ?` SVV[f[a`' fZW WXXWUfe aX UZS`YWe [`W` SUfWV fSj ^S i e ad dSfWe ad fSj efSfge SdW dWUaY` [1WV [`fZW [`fWd[_ bWd[aV [` i Z[UZ fZW UZS`YW aUUgde)

<ad fZW fZdWW

; jUZS`YW \$q7 INr% \$7 IN5 H; 7%) H; 7 =dagb SVhWdf[eWe bdabWdfk S`V bdabWdfk(dW^SfWV eWdh[UWe a` [fe i WTe[fWe S`V _aT[AW Sbbe' [U^gV[`Y 7 gefdS^Sse ^WSV[`Y dWe[VW`f[S^ Ua__WdU[S^ S`V eZSdW bdabWdfk i WTe[fWe' dWS^WefSfW)Ua_)Sg' dWS^Ua__WdU[S^Ua_)Sg S`V <^Sf_SfWe)Ua_)Sg' S`V bdabWdfk badfS^e [`?`V[S S`V ; Sef 7e(S) ?` SVV[f[a` `H; 7 =dagb bdah[VWe bdabWdfk(dW^SfWV VSfS fa fZW X[`S`U[S^ eWUfad S`V X[`S`U[S^ eWdh[UWe fZdagYZ S` W`V(fa(W`V V[Y[fS^ bdabWdfk eWSdUZ S`V X[`S`U[`Y Wj bWd[W`UW S`V S _adfYSYW Tda][`Y aXXWd[`Y)

C ahW [e S ^WSV[`Y bdah[VWd aX V[Y[fS^ dWS^ WefSfW eWdh[UWe [`fZW K)I) S`V bd[_Sd[^k abWdSfWe dWS^fad)Ua_ ` ` S bdW _[Wd dWS^ WefSfW [`Xad_ Sf[a` ` SVhWdf[e[`Y S`V eWdh[UWe b^SfXad_) CahW aXXWde dWS^ WefSfW SVhWdf[e[`Y ea^gf[a` e fa SYW` fe S`V Tda]Wde' [U^gV[`Y [fe 9a` `WUf[a` e^1C F^age S`V 7VhS` fSYW^1C Fda bdaVgUfe Se i W^a Se [fe dWXWddS^ (TSeWV eWdh[UW^ HWSVk 9a` `WUf 9a` U[WdYW) CahW S^ea aXXWde a` ^[`W faa^e S`V eWdh[UWe fa Va([f(kagdeW^X ^S` V^adVe S`V fW` S` fe' Se i W^a Se bdaXWee[a` S^ eaXf i SdW S`V eWdh[UWe bdaVgUfe)

W : Q?O@NFLPKJ =FABK :BNRF@BO p JZW 9a_ bS`kse IgTeUd[bf[a` L[VWVa I Wdh[UWe eWY_ W`f bdah[VWe ebadfe' W`fWdfS[` _W`f S`V `W i e eWdh[UWe fa bSk(JL S`V efdWS_[`Y egTeUd[TWde S`V afZWd Ua__WdU[S^ ^[UW` eWWe' bd[_Sd[^k h[S UST^AW` eSfW^a[fW S`V [`fWd` Wf V[efd[Tgf[a` ` S`V Ua` e[efe aX \$[% fZW 9a_ bS`kse 10 " [`fWdWef [` fZW <ajfW^ =dagb \$ i [fZ fZW dW_ S[`Y .0 " [`fWdWef ZW^V Tk JW^efdS' S` 7 IN(^efWV fW^WUa__g` [USf[a` e Ua_ bS`k% S`V \$[[% 7 gefdS^S` DW i e 9ZS` `W^ \$q7D9r%) JZW <ajfW^ =dagb [e fZW ^SdYWef 7 gefdS^S` (TSeWV egTeUd[bf[a` fW^Wh[e[a` bdah[VWd' i [fZ `WSd^k -++ UZS` `W^e UahWd[`Y ebadfe' YW` WdS^ W`fWdfS[` _W`f' _ah[We' VaUg_ W`fSd[We' _ge[U' UZ[^VdW` se bdaYdS_ _[`Y S`V `W i e) <ajfW^ S`V fZW ASKa Ibadfe efdWS_[`Y eWdh[UW aXXWd fZW ^WSV[`Y ebadfe bdaYdS_ _[`Y Ua` fW`f [` 7 gefdS^S' i [fZ TdaSVUSeF d[YZfe fa ^[hW ebadf[`Y WhW` fe [U^gV[`Y5 DSf[a` S^ HgYTk BWSYgW' 7 gefdS^S` <aafTS^a BWSYgW' 9d[U]Wf 7 gefdS^S` S`V hSd[age _afadebadfe bdaYdS_ _[`Y) JZW <ajfW^ =dagb S^ea abWdSfWe ' [fe a` (VW_ S`V W`fWdfS[` _W`f efdWS_[`Y eWdh[UW' S`V <ajfW^ Da i ' S efdWS_[`Y eWdh[UW fZSf bdah[VWe SUUWee S Udaee <ajfW^se ^[hW S`V a` (VW_ S`V Ua` fW`f) ?` EUfaTWd -+-@ ' SSSSSa` fW`f

C : LH 8DGEDG6I>DC

CDI : H ID I = : JC6J9>I : 9 8DCHDA>96I : 9 ;>C6C8>6A HI 6I : B : CIH

e[_f^Sd^k f[f^WV _WSegdWe dWbadfWV Tk afZWd Ua_bS`[We' e[_UW Ua_bS`[We S`V [^hWefade _Sk V[XXWd Se fa i ZSf [fW_e eZag^V TW [^U^gVWV [^fZW US^Ug^Sf[a` aX IWY_W`f ; 8?J : 7)

IWY_W`f ; 8?J : 7 [e fZW bd[_Sdk _WSegdW geWV Tk fZW 9a_bS`kse UZ[WX abWdSf[^Y VWU[e[a` _S]Wd fa WhS^gSfW fZW bWdXad_S`UW aX S`V S^aUSfW dWeagdUWe i [fZ[fZW 9a_bS`kse Tge[^WeeWe) IWY_W`f ; 8?J : 7 bdah[VWe _S`SYW_W`f' [^hWefade S`V Wcg[fk S`S^kefe i [fZ S _WSegdW fa S`S^kIW fZW abWdSf[^Y bWdXad_S`UW aX WSUZ aX fZW 9a_bS`kse Tge[^Wee eWY_W`fe S`V [fe W`fWdbd[eW hS^gW SYS[^ef Z[efad[US^ VSfS S`V Ua_bWf[fades VSfS' S^fZagYZ Z[efad[US^ dWeg^fe _Sk `af TW [^V[USf[hW aX XgfgdW dWeg^fe \$Se abWdSf[^Y bWdXad_S`UW [e Z[YZ^k Ua`f[^YW`f a` _S`k XSUfade' [^U^gV[^Y Ugefa_Wd fSefWe S`V bWdXad_S`UW

IWY_W`f [^Xad_Sf[a` [e eg__Sd[IWV Se Xa^a i e5

	;_b dXU dXbUU]_^dXc U^TUT HU`dU] RUB .+'	
	-+-,	-++
	\$T^] \W_^c%	
HWhW`gWe5		
: [Y[fS^ HWS^ ;efSfW IWdh[UWe	!	-1 ! -4+
IgTeUd[bf[a` L[VWa IWdh[UWe	0,+	/41
: a i @a`We	///	.31
8aa] FgT^[eZ[^Y	0/1	/03
DW ie CWV[S	021	/32
EfZWd	p	p
JafS^ dWhW`gWe	! -'0+-	! -', ,2
IWY_W`f ; 8?J : 75		
: [Y[fS^ HWS^ ;efSfW IWdh[UWe	!	,.3 ! ,.4
IgTeUd[bf[a` L[VWa IWdh[UWe	,,/	23
: a i @a`We	40	2-
8aa] FgT^[eZ[^Y	30	2,
DW ie CWV[S	./	\$--%
EfZWd	\$01%	\$0+%
: WbdWU[Sf[a` S`V S_ adf[ISf[a`	\$,10%	\$,1/%
?_bS[d_W`f S`V dWefdgUfgd[^Y UZSdYWe	\$--%	\$/+%
;cg[fk ^aeeWe aX SXX[^SfWe	p	,\$%
?^fWdWef WjbW`eW' `Wf	\$--%	\$3%
EfZWd' `Wf	,.2	,2
?^Ua_W TWXadW [^Ua_W fSj WjbW`eW	.3	2-
?^Ua_W fSj WjbW`eW	\$2,%	\$-0%
DWf [^Ua_W	!	-12 ! /2

$\frac{6c_{-Y}}{HU^dU J RUB .+^+ -+-,} \quad \frac{6c_{-Y}}{?e^AU .+^+ -+-,}$
 $\$Y^ J \backslash \backslash _ ^e\%$

JafS^ SeeWfe5			
: [Y[fS^ HWS^ ;efSfW IWdh[UWe	!	-'43.	! ,',/1
IgTeUd[bf[a` L[VWa IWdh[UWe		.'0/	.'0,0
: a i @a` We		-'3+-	-'243
8aa] FgT^[eZ[`Y		-'2/2	-'2,.
DW i e CWV[S		-'1,2-	-'-+4
EfZWd ^{SS%}		, '31,	-'+.4
?`hWef_ W` fe		/44	.0,
JafS^ SeeWfe	!	,1'/,3	! ,1'22,

SS% JZW EfZWd eWY_ W` f bd[_ Sd[^k [`U^gVWe 9SeZ S` V UseZ Wcg[hS^W` fe)

$\frac{6c_{-Y}}{HU^dU J RUB .+^+ -+-,} \quad \frac{6c_{-Y}}{?e^AU .+^+ -+-,}$
 $\$Y^ J \backslash \backslash _ ^e\%$

=aaV i [^m S` V [`fS` Y[T^W SeeWfe' `Wf5			
: [Y[fS^ HWS^ ;efSfW IWdh[UWe	!	, '3-0	! , '32,
IgTeUd[bf[a` L[VWa IWdh[UWe		, '0-2	, '1,-
: a i @a` We		, '44+	, '440
8aa] FgT^[eZ[`Y		, '+..	, '+/1
DW i e CWV[S		-44	.+3
JafS^ =aaV i [^m S` V [`fS` Y[T^W SeeWfe' `Wf	!	1'12/	! 1'3.-

CDI: ,.) 699>I>DC6A ;>C6C8>6A>C;DGB 6 I>DC

9B@BER>?#BOS JBP

HWUW[hST^We

C : LH 8DGEDG6I>DC
CDI :H ID I = : JC6J9>I : 9 8DCHDA>96I : 9 ;>C6C8>6A HI 6I : B : CIH

:QLLHBIBJP>H , >0E /HKS 2JCKN I >PFKJ

JZW Xa^a i [`Y fST^W eWfe XadfZ fZW 9a _bS`kse USeZ bS[V Xad fSjWe S`V [`fWdWef5

	;_b dXU dXbUU]_^dXc U^TUT HU`dU] RUB .+' -----	
	-+-,	-++
	\$Y^] \V_^c%	
9SeZ bS[V Xad [`fWdWef	!	, / ! , 1
9SeZ bS[V Xad fSjWe	!	/ 0 ! - .

>I : B -) B 6C6 < : B : CIKH 9>H8 JHH>DC 6C9 6C6ANH>HD ; ;>C6C8>6A 8DC9>I>DC 6C9 G : HJAIHD ;
DE : G6I>DCH

; jUZS`YW \$q 7 INr% \$7 IN5 H; 7%) H; 7 =dagb SVhWdf[eWe bdabWdfk S`V bdabWdfk(dw^SfWV eWdh[UWe a` [fe i WTe[fWe S`V _aT[AW Sbbe' [^ U^gV[`Y 7 gefdS^ [Sse ^WSV[`Y dWe[VW` f[S^ Ua __ WdU[S^ S`V eZSdW bdabWdfk i WTe[fWe' dWS^WefSfW)Ua __)Sg` dWS^Ua __ WdU[S^Ua __)Sg S`V <^Sf` SfWe)Ua __)Sg` S`V bdabWdfk badfS^e [` ?` V[S S`V ; Sef 7e(S) ?` SVV[f[a` H; 7 =dagb bdah[VWe bdabWdfk(dw^SfWV VSfS fa fZW X[` S`U[S^ eWUfad S`V X[` S`U[S^ eWdh[UWe fZdagYZ S` W` V(fa(W` V V[Y[fS^ bdabWdfk eWSdUZ S`V X[` S`U[` Y Wj bWd[W` UW S`V S _adfYSYW Tda][` Y aXXWd[` Y)

C ahW [e S^WSV[` Y bdah[VWd aX V[Y[fS^ dWS^ WefSfW eWdh[UWe [` fZW K)I) S`V bd[_Sd[ak abWdSfWe dWS^fad)Ua __ ` S bdW _[Wd dWS^ WefSfW [` Xad _Sf[a` SVhWdf[e[` Y S`V eWdh[UWe b^SfXad_) CahW aXXWde dWS^ WefSfW SVhWdf[e[` Y ea^gf[a` e fa SYW` fe S`V Tda]Wde' [^ U^gV[` Y [fe 9a` `WUf[a` e^C F^ge S`V 7VhS` fSYW^C Fda bdaVgUfe Se i W^a Se [fe dWXWddS^ (TSeWV eWdh[UW` HWSVk 9a` `WUf 9a` U[WdYW) CahW S^ea aXXWde a` ^[` W faa^e S`V eWdh[UWe fa Va([f(kagdeW^X ^S` V^adVe S`V fW` S` fe' Se i W^a Se bdaXWee[a` S^ eaXf i SdW S`V eWdh[UWe bdaVgUfe)

W : Q?O@NFLPKJ =FABK :BNRF@BO p JZW 9a_bS`kse IgTeUd[bf[a` L[VWa I Wdh[UWe eWY _W` f bdah[VWe ebadfe' W` fWdS[` _W` f S`V `Wi e eWdh[UWe fa bSk(JL S`V efdWS _[` Y egTeUd[TWde S`V afZWd Ua __ WdU[S^ ^[UW` eWWe' bd[_Sd[ak h[S UST^W` eSfW^a[fW S`V [` fWd` Wf V[efd[Tgf[a` S`V Ua` e[efe aX \$[% fZW 9a_bS`kse 10 " [` fWdWef [` fZW <ajfW^ =dagb \$ i [fZ fZW dW _S[` [` Y .0 " [` fWdWef ZW^V Tk JW^efds' S` 7 IN^([efWV fW^WUa __ _g` [USf[a` e Ua __bS`k S`V \$[[7 gefdS^ [S` DW i e 9ZS` `W^ \$q 7 D9 r%) JZW <ajfW^ =dagb [e fZW ^SdYWef 7 gefdS^ [S` (TSeWV egTeUd[bf[a` fW^Wh[e[a` bdah[VWd` i [fZ `WSd^k -++ UZS` `W^e UahWd[` Y ebadfe' YW` WdS^ W` fWdS[` _W` f' _ah[We' VaUg _W` fSd[We' _ge[U' UZ[AVdW` se bdaYdS _[` [` Y S`V `Wi e) <ajfW^ S`V fZW Aska Ibadfe efdWS _[` Y eWdh[UW aXXWd fZW ^WSV[` Y ebadfe bdaYdS _[` [` Y Ua` fW` f [` 7 gefdS^ [S` i [fZ TdaSVUSef d[YZfe fa ^[hW ebadf[` Y WhW` fe [` U^gV[` Y5 DSf[a` S^ HgYTk BWSYgW` 7 gefdS^ [S` <aafTS^a BWSYgW` 9d[U]Wf 7 gefdS^ [S` S`V hSd[age _afadebadfe bdaYdS _[` [` Y) JZW <ajfW^ =dagb S^ea abWdSfWe ' [fe a` (VW _S`V W` fWdS[` _W` f efdWS _[` Y eWdh[UW` S`V <ajfW^ Da i` S efdWS _[` Y eWdh[UW fZSf bdah[VWe SUUWee SUDaee <ajfW^se ^[hW S`V a` (VW _S`V Ua` fW` f) ?` EUfaTWd -+- , ' fZW <ajfW^ =dagb ^Sg` UZWV <^SeZ` S` W` i e SYYdWYSf[a` efdWS _[` Y eWdh[UW)

7D9 abWdSfWe fZW IAO D; MI `Wf i ad] ' 7 gefdS^ [Sse -/(Zagd _g^f([UZS` `W^ ^ _g^f([b^SfXad _ `Wi e eWdh[UW) 7D9 UZS` `W^e SdW V[efd[TgfWV fZdagYZagf 7 gefdS^ [S S`V DW i PWS^S`V S`V ShS[^ST^W a` <ajfW^ S`V I]k DWf i ad] JW^Wh[e[a` DP) 7D9 S^ea a i `e S`V abWdSfWe fZW [` fWd` Sf[a` S^ 7 gefdS^ [S 9ZS` `W^ ?FJL eWdh[UW S`V aXXWde Ua` fW` f SUDaee S hSd[Wfk aX V[Y[fS^ _WV[S b^SfXad _e' [` U^gV[` Y i WT' _aT[AW S`V fZ[dV bSdfk bdah[VWde)

W -KS 3KJB0 p JZW : a i @a` We eWY _W` f Ua` e[efe aX : a i @a` We' S Y^aTS^ bdah[VWd aX `Wi e S`V Tge[` Wee [` Xad _Sf[a` ' i Z[UZ V[efd[TgfWe [fe Ua` fW` f S`V VSfS fZdagYZ S hSd[Wfk aX `WV[S UZS` `W^e [` U^gV[` Y `Wi e bShWde' `Wi e i dWe' i WTe[fWe Sbb^ [USf[a` e ad Sbbe Xad _aT[AW VWh[UWe fST^Wf S`V W(Taa) dWSVWde `Wi e WfWde _SYSI[` We dbabd[WfSdK VSfSTSeWe' ^[hW \agd` S^e' `h[VWa S`V baVUSefe) JZW : a i @a` We eWY _W` fse bdaVgUfe' i Z[UZ fSdYWf [` V[h[VgS^ Ua` eg _Wde S`V W` fWdbd[eW Ugefa _Wde' [` U^gVW ' <SUf[hS' : a i @a` We H[e] # 9a_b^[S`UW' : a i @a` We DW i e i dWe' ' CSd]WfMSfUZ S`V ?` hWefadse 8ge[` Wee : S[ak)

W +KKG 8Q?HFOEFD p JZW 8aa] FgT^a[eZ[` Y eWY _W` f Ua` e[efe aX >SdbWd9a^a[` e' fZW eWUa` V ^SdYWef Ua` eg _Wd Taa] bgT^a[eZWd [` fZW i ad^V' i [fZ abWdSf[a` e [` , 2 Uag` fd[We S`V bSdf[Ug^Sd efdW` YfZe [` YW` WdS^ X[Uf[a` ` a` X[Uf[a` ` UZ[AVdW` se S`V dW^a[Y[age bgT^a[eZ[` Y) >SdbWd9a^a[` e a i `e _adW fZS` , -+ TdS` VWV bgT^a[eZ[` Y [_bd[` fe' [` U^gV[` Y

ZT 76.5 404.0701 (D) (U) (V) (J) (T) (76.5 404.0701) (J) (76(U)(H) 1 (L) (P) 1 (1) (H) (W) 8 (W) 3 314 07001 Td[() (E) 1 (R) (X) (Q) (W)

JZW HWbgdUZSeW FdaYdS_ dWb^SUWe fZW 9a_bs`kse !0++ _[^[a` 9^See 7 9a__a` IfaU] dWbgdUZSeW bdaYdS_ SbbdahWV Tk fZW 9a_bs`kse 8aSdV aX : [dWUfade \$fZW q8aSdV aX : [dWUfader% [` C Sk -+, .) JZW _S` `Wd' f[_ [`Y' `g_ TWd S` V eZSdW bd[UW aX S` k dWbgdUZSeWe i [^ TW VWfWd_ [` WV Tk fZW 9a_bs` k Sf [fe V[eUdWf[a` S` V i [^ VWbW` V gba` egUZ XSUfade Se fZW _Sd] Wf bd[UW aX fZW efaU]' YW` WdS^ _Sd] Wf Ua` V[f[a` e' Sbb^[UST^W eWUgd[f[We ^S i e' S^fWd` Sf[hW [` hWef_ W` f abbadfg` [f[We S` V afZWd XSUfade) JZW HWbgdUZSeW FdaYdS_ ZSe ` a f[_ W ^[_ [f S` V _Sk TW _aV[X[WV' egebW` VWV ad V[eUa` f[` gWV Sf S` k f[_ W)

9 . * 0NKQL 0>#B KC 5 >#>UOF> >JA ; E>#>JA ?QOFJB00B0

?` 7gYgef --, ' H; 7 =dagb SUcg[dWV S` ,3 " [` fWdWef \$, 1)1 " a` S V[^gFWV TSe[e% [` FdabWdfk=gdg FfW) BfV) \$qFdabWdfk=gdgr%' S ^WSV[` Y V[Y[fS^ bdabWdfk fWUZ` a^aYk Ua_bs` k abWdSf[` Y _Sd] Wfb^SUWe [` IagfZWSeF 7e[S' [` WjUZS` YW Xad S^ eZSdWe aX H; 7 =dagbse W` f[f[We [` CS^Ske[S S` V JZS[^S` V) JZW fdS` eSUf[a` i Se Ua_b^WfWV SXfWd H; 7 =dagb W` fWdWV [` fa S` SYdWW_ W` f fa eW^ [fe -2 " [` fWdWef [` [fe Wj[ef[` Y hW` fgdW i [fZ 44)Ua) JZW fdS` eSUf[a` UdWSfWV S ^WSV[` Y V[Y[fS^ dWS^ WefSfW eWdh[UWe Ua_bs` k [` IagfZWSeF 7e[S S` V ` W i abbadfg` [f[We Xad Ua^STadSf[a` S` V SUUWee fa S VWWbWd baa^ aX WjbWdf[eW' fWUZ` a^aYk S` V [` hWef_ W` f [` fZW dWY[a`) H; 7 =dagb dWUW[hWV a` W eWSf a` fZW TaSdV aX V[dWUfade aX FdabWdfk=gdg Se bSdf aX fZW fdS` eSUf[a`)

G: HJAIHD; DE: G6 I>DCH

9B0QHPO KC 7LBN>PFKJO X /KN PEB

IQR\U_V 8_^dU^dc

bdaVgUf[a` UaeFe dWUaY` [1WV [` fZW bd[ad kWSd fZSf i WdW VWXWddWV Xda_ X[eUS^ -+-+ VgW fa fZW Uada` Sh[dge bS` VW _[U \$q9EL? : (,4r%) JZW [_ bSuf aX XadW[Y` UgddW` Uk X^gUfgSf[a` e aX fZW K)I) Va^Sd SYS[` ef ^aUS^ UgddW` U[We dWeg^fWV [` S` EbWdSf` Y WjbW` eW [` UdWSeW aX !-2 _[a` a` ad - ' ' Xad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, Se Ua _bSdWV fa fZW UaddWeba` V[` Y bWd[aV aX X[eUS^ -+-,)

: BHHFJD\$ DBJBN>H >JA >A I FJFOPN>PFRB p I W^a` Y` YW` WdS^ S` V SV _[` [efdSf[hW [` UdWSeWV !, 1. _[a` a` ad - / ' ' Xad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, Se Ua _bSdWV fa fZW UaddWeba` V[` Y bWd[aV aX X[eUS^ -+-,)

JZW [` UdWSeW [` eW^a` Y` YW` WdS^ S` V SV _[` [efdSf[hW Xad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, i Se Vd[hW` Tk [` UdWSeWV WjbW` eWe Sf fZW : [Y[fs^ HWS^ ; efSfW I Wdh[UWe eWY` W` f bd[_Sd[ak VgW fa fZW SUcg[elf[a` e aX CadfYSYW 9Za[UW S` V ; ^SdS \$ i Z[UZ i Se dWTdS` VWV fa H; 7 ?` V[S%` Z[YZWd W` b^akWW UaeFe Sf TafZ CahW S` V H; 7 =dagb S` V [` UdWSeWV _Sd]Wf[` Y WjbW` eW Sf CahW` Se i W^a` Se [` UdWSeW Vd[hW` Tk fZW SUcg[elf[a` e aX ?8 : S` V >C > 8aa]e S` V CWV[S) JZW [_ bSuf aX XadW[Y` UgddW` Uk X^gUfgSf[a` e aX fZW K)I) Va^Sd SYS[` ef ^aUS^ UgddW` U[We dWeg^fWV [` S I W^a` Y` YW` WdS^ S` V SV _[` [efdSf[hW [` UdWSeW aX !, 4 _[a` a` ad . ' ' Xad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, Se Ua _bSdWV fa fZW UaddWeba` V[` Y bWd[aV aX X[eUS^ -+-,)

- BLNB@f>PFKJ >JA >I KNPFV>PFKJ p : WbdWU[Sf[a` S` V S` _adf[1Sf[a` WjbW` eW [` UdWSeWV !, _[a` a` ad , ' ' Xad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, Se Ua _bSdWV fa fZW UaddWeba` V[` Y bWd[aV aX X[eUS^ -+-,) JZW [_ bSuf aX XadW[Y` UgddW` Uk X^gUfgSf[a` e aX fZW K)I) Va^Sd SYS[` ef ^aUS^ UgddW` U[We dWeg^fWV [` S : WbdWU[Sf[a` S` V S` _adf[1Sf[a` WjbW` eW [` UdWSeW aX !. _[a` a` ad - ' ' Xad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, Se Ua _bSdWV fa fZW UaddWeba` V[` Y bWd[aV aX X[eUS^ -+-,)

2IL>FNIBJP >JA NBOPN@QPNFJD @E>NDBO p : gd[` Y fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, S` V -+-+ fZW 9a` bS` k dWUadVWV dWefdgUfgd[` Y UZSdYWe aX !- _[a` S` V !/+ _[a` dWbWUf[hW^k) IWW DafW / p HWefdgUfgd[` Y FdaYdS_e [` fZW SUUa` bS` k[` Y 9a` ea^[VsfWV <[` S` U[S^ IfSfW` W` fe)

. MQPPU HKOOBO KC >CCFH>PBO p : cg[fk ^aeWe aX SXX^[SfWe VWUdWSeWV Tk !, _[a` a` Xad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, Se Ua _bSdWV fa fZW UaddWeba` V[` Y bWd[aV aX X[eUS^ -+-,) IWW DafW 0 p ?` hWef` W` fe [` fZW SUUa` bS` k[` Y 9a` ea^[VsfWV <[` S` U[S^ IfSfW` W` fe)

2JPBNBOP BTLBJOB\$ JBP p ?` fWdWef WjbW` eW` ` Wf [` UdWSeWV Tk !, / _[a` a` Xad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, Se Ua _bSdWV fa fZW UaddWeba` V[` Y bWd[aV aX X[eUS^ -+-, ' bd[_Sd[ak Vd[hW` Tk fZW [eegS` UW aX !, T^[a` aX eW` [ad ` afWe [` fZW XagdfZ cgSdfWd aX X[eUS^ -+-, \$fZW q-+-, IW` [ad DafWVer%)

7PEBNS JBP p EfZWd` ` Wf [` UdWSeWV Tk !, -+ _[a` a` Xad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, Se Ua _bSdWV fa fZW UaddWeba` V[` Y bWd[aV aX X[eUS^ -+-,) IWW DafW , . p 7VV[f[a` S^ <[` S` U[S^ ?` Xad` Sf[a` [` fZW SUUa` bS` k[` Y 9a` ea^[VsfWV <[` S` U[S^ IfSfW` W` fe)

2J@KIB P>T BTLBJOB p <ad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, ' fZW 9a` bS` k dWUadVWV [` Ua` _W fsj WjbW` eW aX !2, _[a` a` a` bdW[fsj [` Ua` _W aX !. 3 _[a` a` dWeg^f[` Y [` S` WXXWUf[hW fsj dSfW fZSf [e WcgS^ fa fZW K)I) efsfgfack fsj dSfW) JZW fsj dSfW i Se [_bSufWV Tk XadW[Y` abWdSf[a` e i Z[UZ SdW egT\WUf fa Z[YZWd fsj dSfW S` V Tk hS^gSf[a` S^a i S` UW e dWUadVWV SYS[` ef fsj TW` WX[fe [` UWdfS[` Tgel` WeeWe i [fZ abWdSf[` Y ^aeWe` aX XeWf Tk fZW ^a i Wd fsj [_bSuf dW^SfWV fa fZW SUcg[elf[a` aX S` , 3 " [` fWdWef [` FdabWdfk=gdg)

<ad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-+ fZW 9a` bS` k dWUadVWV [` Ua` _W fsj WjbW` eW aX !-0 _[a` a` a` bdW[fsj [` Ua` _W aX !2- _[a` a` dWeg^f[` Y [` S` WXXWUf[hW fsj dSfW fZSf i Se Z[YZWd fZS` fZW K)I) efsfgfack fsj dSfW) JZW Z[YZWd fsj dSfW i Se bd[_Sd[ak Vd[hW` Tk fZW 9a` bS` kse [gd[eV[Uf[a` S^ [` Ua` _W \$^aeW` _[j i Z[UZ [` U^gVWe fZW [_bSuf aX XadW[Y` abWdSf[a` e i Z[UZ SdW egT\WUf fa Z[YZWd fsj We)

C S` SYW` W` f SeeWeeWe ShS^[ST^W Wh[VW` UW fa VWfWd [` W i ZWfZWd egXX[U[W` f XgfgdW fsj ST^W [` Ua` _W i [^ TW YW` WdSfWV fa bWd` [f fZW geW aX Wj[ef[` Y VWXWddWV fsj SeeWfe) 8SeWV a` _S` SYW` W` fse SeeWee` W` f aX ShS^[ST^W Wh[VW` UW` [f ZSe TWW` VWfWd [` WV fZSf [f [e _adW ^[]W^k fZS` ` af fZSf VWXWddWV fsj SeeWfe [` UWdfS[` XadW[Y` \gd[eV[Uf[a` e _Sk` af TW dWS^[I WV S` V fZWdWxAdW` S hS^gSf[a` S^a i S` UW ZSe TWW` WefST^[eZWV SYS[` ef fZaeW fsj SeeWfe)

6BP FJ@KIB p Dwf [` Ua` _W Xad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, [` UdWSeWV Tk !-+ _[a` a` Se Ua _bSdWV fa fZW UaddWeba` V[` Y bWd[aV aX X[eUS^ -+-, ' bd[_Sd[ak Vd[hW` Tk Z[YZWd JafS^ IWY` W` f ; 8?J : 7 S` V Z[YZWd EfZWd` ` Wf` bSdf[S^k aX XeWf Tk Z[YZWd fsj WjbW` eW)

6BP FJ@KIB >PPNF?Q?>HB PK JKJ@KJPNKHHFJD FJPBNBOPO p Dwf [` Ua` _W Sffd[TgfST^W fa ` a` Ua` fda^a` Y [` fWdWefe [` UdWSeWV Tk !03 _[a` a` Xad fZW fZdWW _a` fZe W` VWV IWbFw` TWd .+` -+-, Se Ua _bSdWV fa fZW UaddWeba` V[` Y bWd[aV aX X[eUS^ -+-, ' bd[_Sd[ak

IQR\U _V 8_ ^dU^dc

Vd[hW` Tk [`UdWSeWV Wsd` [`Ye Sf H; 7 =dagb' i Z[UZ [`U^gVWV fZW !, +2 _[[a` YS[` Xda _ fZW V[ebae[f[a` aX [fe W` f[f[We [` C^S^Ske[S S` V JZS[S^V)

:BD I B J P * J > H U O F O

IWY_ W` f ; 8?J : 7 [e VWX[`WV Se dWhW` gWe ^Wee abWdSf[`Y Wj bW` eWe S` V eW^a[`Y YW` WdS^ S` V SV_ [` [efdSf[hW Wj bW` eWe) IWY_ W` f ; 8?J : 7 VaWe `af [`U^gVW5 VWbdWU[Sf[a` S` V S_ adf[1Sf[a` ' [_bS[d_ W` f S` V dWefdUfgd[`Y UZSdYWe' Wcg[fk ^aeeWe aX SXX[^SfWe' [`fWdWef \$Wj bW` eW% [`Ua_ W` `Wf` afZWd' `Wf S` V [`Ua_ W fSj \$Wj bW` eW% TW` WX[f) IWY_ W` f ; 8?J : 7 _Sk `af TW Ua_ bSdST^W fa e[_ [^Sd^k f[f^WV _ WSegdWe dWbadfWV Tk afZWd Ua_ bS` [We' e[`UW Ua_ bS` [We S` V [`hWefade _Sk V[XXWd Se fa i ZSf [fW _e eZag^V TW [`U^gVWV [`fZW US^Ug^Sf[a` aX IWY_ W` f ; 8?J : 7)

IWY_ W` f ; 8?J : 7 [e fZW bd[_SdK _WSegdW geWV Tk fZW 9a_ bS` kse UZ[WX abWdSf[`Y VWU[e[a` _ S]Wd fa WhS^gSfW fZW bWdXad_ S` UW aX` S` V S^aUSfW dWeagdUWe i [fZ[` fZW 9a_ bS` kse Tge[`WeeWe) IWY_ W` f ; 8?J : 7 bdah[VWe _S` SYW_ W` f [`hWefade S` V Wcg[fk S` S^akefe i [fZ _W SegdW fa S` S^k1W fZW abWdSf[`Y bWdXad_ S` UW aX WSUZ aX fZW 9a_ bS` kse Tge[`Wee eWY_ W` fe S` V [fe W` fWdbd[eW hS^gW SYS[`ef Z[efad[US^ VSfS S` V Ua_ bWf[fades VSfS' S^fZagYZ Z[efad[US^ dWeg^fe _Sk `af TW [`V[USf[hW aX XgfgdW dWeg^fe \$Se abWdSf[`Y bWdXad_ S` UW [e Z[YZ^k Ua` f[`YW` f a` _S` k XSUFade' [`U^gV[`Y Ugefa_ Wd fSefWe S` V bWdXad_ W` UWe%)

JafS^ IWY_ W` f ; 8?J : 7 [e S` a` (= 7 7 F _WSegdW S` V eZag^V TW Ua` e[VWdWV [`SVV[f[a` fa` `af Se S egTef[fgfW Xad' `Wf [`Ua_ W \$^aee' USeZ X^a i S` V afZWd _WSegdWe aX X[`S` U[S^ bWdXad_ S` UW dWbadfWV [`SUUadVS` UW i [fZ = 7 7 F) ?` SVV[f[a` fZ[e _WSegdW VaWe `af dWX^WUf USeZ ShS[^ST^W fa Xg` V dWcg[dW _W` fe S` V Wj U^gVWe [fW _e' egUZ Se VWbdWU[Sf[a` S` V S_ adf[1Sf[a` S` V [_bS[d_ W` f S` V dWefdUfgd[`Y UZSdYWe' i Z[UZ SdW e[Y` [X[US` f Ua_ ba` W` fe [`SeeWeef[`Y fZW 9a_ bS` kse X[`S` U[S^ bWdXad_ S` UW) JZW 9a_ bS` k TW^[WhWe fZSf fZW bdWeW` fSf[a` aX JafS^ IWY_ W` f ; 8?J : 7 bdah[VWe geW^Xg^ [`Xad_ Sf[a` dWYSdV[`Y fZW 9a_ bS` kse abWdSf[a` e S` V afZWd XSUFade fZSf SXXWUf fZW 9a_ bS` kse dWbadfWV dWeg^fe) IbWU[X[US^k' fZW 9a_ bS` k TW^[WhWe fZSf Tk Wj U^gV[`Y UWdfS[` a` W(f[_W ad `a` (USeZ [fW _e egUZ Se [_bS[d_ W` f S` V dWefdUfgd[`Y UZSdYWe S` V VWbdWU[Sf[a` S` V S_ adf[1Sf[a` Se i W^a Se bafW` f[S^ V[efad[f a` e TWf i WW` bWd[aVe USgeWV Tk XSUFade egUZ Se X[`S` U[`Y S` V USB[fS^ efdgUfgdWe S` V UZS` YWe [`fSj bae[f[a` e ad dWY[_We' fZW 9a_ bS` k bdah[VWe geWde aX [fe Ua` ea^[VSfWV X[`S` U[S^ efSfW _W` fe i [fZ [`e[YZf [`fa TafZ [fe UadW abWdSf[a` e Se i W^a Se fZW XSUFade fZSf SXXWUf dWbadfWV dWeg^fe TWf i WW` bWd[aVe Tgf i Z[UZ fZW 9a_ bS` k TW^[WhWe SdW `af dWbdWeW` fSf[hW aX [fe UadW Tge[`Wee) 7e S dWeg^f` geWde aX fZW 9a_ bS` kse Ua` ea^[VSfWV X[`S` U[S^ efSfW _W` fe SdW TWffWd ST^W fa WhS^gSfW UZS` YWe [`fZW UadW abWdSf[`Y dWeg^fe aX fZW 9a_ bS` k SUDAee V[XXWdW` f bWd[aVe)

JZW Xa^a i [`Y fST^W dWUa` U[^We DWf [`Ua_ W fa JafS^ IWY_ W` f ; 8?J : 7 Xad fZW fZdWW _a` fZe W` VWV IWbWV _TWd .+` -+- , S` V -+-+5

	;_b dXU dXbUU]_ ^dXc U^TUT HU` dU] RUB .+`	
	-+-,	-++
\$[` _[[a` e%		
DWf [`Ua_ W	!	-12 ! /2
7 VV5		
?`Ua_ W fSj Wj bW` eW	2,	-0
EfZWd' `Wf	\$, .2%	\$, 2%
?`fWdWef Wj bW` eW' `Wf	--	3
;cg[fk ^aeeWe aX SXX[^SfWe	p	,
?_bS[d_ W` f S` V dWefdUfgd[`Y UZSdYWe	--	/+
: WbdWU[Sf[a` S` V S_ adf[1Sf[a`	,10	,1/
JafS^ IWY_ W` f ; 8?J : 7	!	/,+ ! -13

JZW Xa^a i [`Y fST^W eWfe XadFZ fZW 9a_bS`kse HWhW`gWe S`V IWY_`W`f ; 8?J : 7 Tk dWbadfST^W eWY_`W`f Xad fZW fZdWW _a`fZe W`VWV IWbFW_TWd .+' -+-, S`V -++-+5

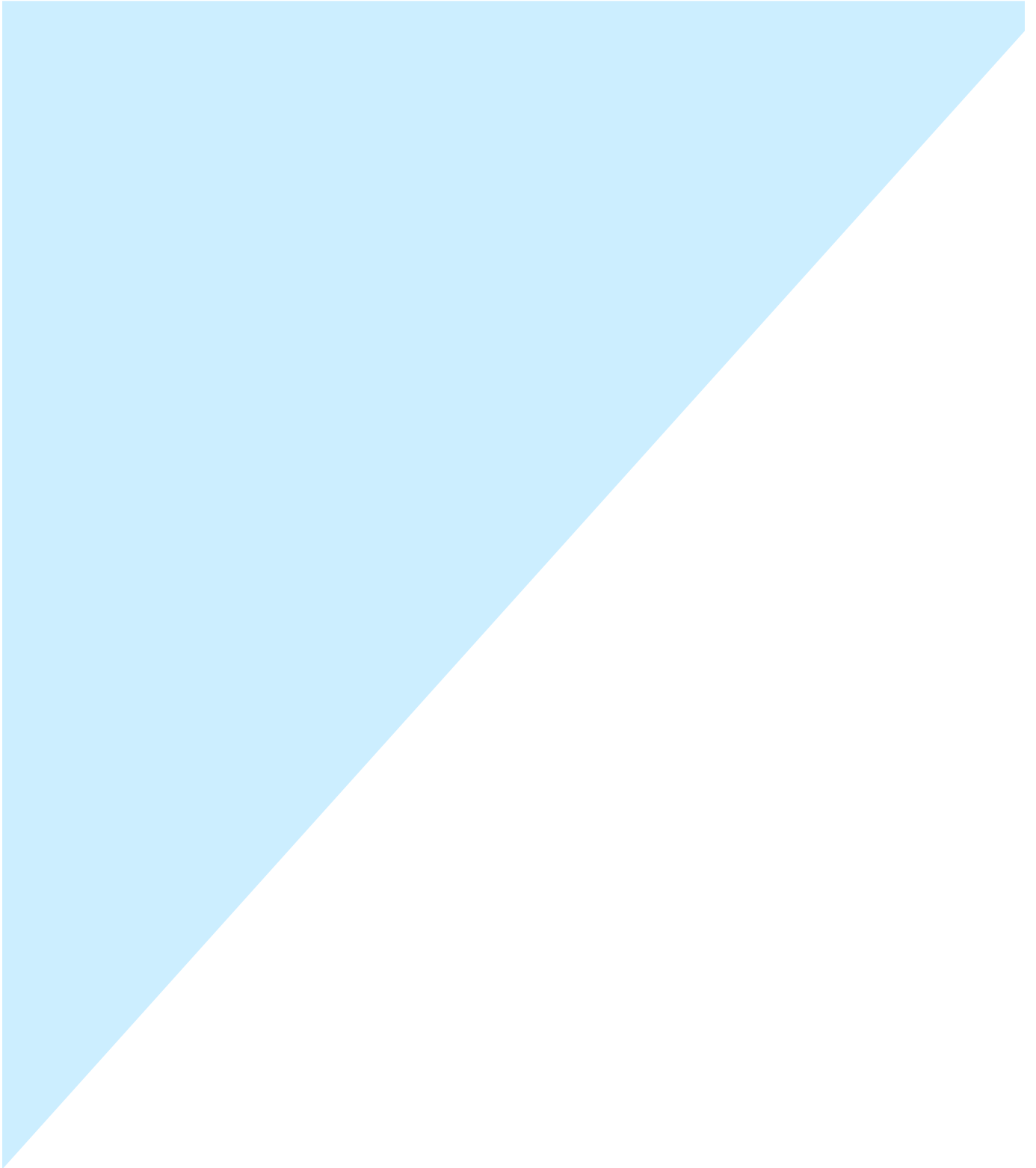
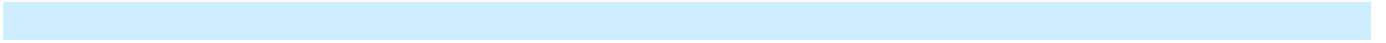
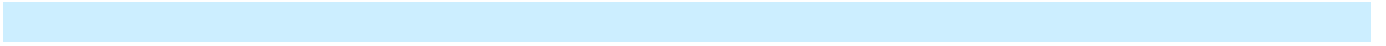
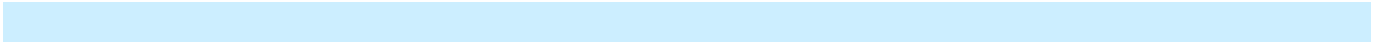
	;_b dXU dXbUU]_^dXc U^TUT HU`dU] RUB .+'			
	-+-,		-++	
\$[` _[a`e`	GUFU^eUc	HUW] U^d : 7>I96	GUFU^eUc	HUW] U^d : 7>I96
: [Y[fS^ HWS^ ;efSfW IWdh[UWe	! /-1	! ,.3	! -4+	! ,.4
IgTeUd[bf[a` L[VWa IWdh[UWe	0,+	,,/	/41	23
: a i @a`We	///	40	.31	2-
8aa] FgT^eZ[`Y	0/1	30	/03	2,
DW ie CWV[S	021	./	/32	\$--%
EfZWd	p	\$01%	p	\$0+%
JafS^	! -'0+-	! /,+	! -',.2	! -13

- FDP>H 9B>H . OP>PB :BNRF@BO \$,2 " S`V ,/ " aX fZW 9a_bS`kse Ua`ea^[VSfWV dWhW`gWe [`fZW fZdWW _a`fZe W`VWV IWbFW_TWd .+' -+-, S`V -++-+ dWebWUf[hW`k%

	;_b dXU dXbUU]_^dXc U^TUT HU`dU] RUB .+'			
	-+-,	-++	8XQ^WU	" 8XQ^WU
\$[` _[a`e` WjUWbf " %	7UddUb*\$L_bcU%			
HWhW`gWe5				
9[dUg^Sf[a` S`V egTeUd[bf[a`	! .	! 3	! \$0%	! \$1.% "
7VhWdf[e`Y	..	-3	0	,3 "
HWS^ WefSfW	.-+	-.0	30	.1 "
EfZWd	2+	,4	0,	&&
I_dQ\ GUFU^eUc	/-1	-4+	,.1	/2 "
EbWdSf[`Y Wj bW`eWe	\$01%	\$/.%	\$.,%	\$.+% "
IW^a[`Y' YW`WdS^ S`V SV_[`efdSf[hW	\$-.-%	\$.,-3%	\$.,+/%	\$3,% "
HUW] U^d : 7>I96	! ,.3	! ,.4	! ,.4	! ,.1 "
&& `af _WS` [`YXg^				

<ad fZW fZdWW _a`fZe W`VWV IWbFW_TWd .+' -+-, ' dWhW`gWe Sf fZW : [Y[fS^ HWS^ ;efSfW IWdh[UWe eWY_`W`f [`UdWSeWV !, .1 _[a` ' ad /2 " ' Se Ua_bSdWV fa fZW UaddWeb`V[`Y bWd[aV aX X[eUS^ -+-,) HWhW`gWe Sf H; 7 =dagb [`UdWSeWV !4/ _[a` ' ad 1- " ' fa !- /1 _[a` Xad fZW fZdWW _a`fZe W`VWV IWbFW_TWd .+' -+-, Xida !, 0- _[a` [`fZW UaddWeb`V[`Y bWd[aV aX X[eUS^ -+-, ' bd[_Sd[`k VgW fa S !/ .L_

:Q?0@NFLPKJ =FABK :BNRF@BO \$-+ " S`V - . " aX fZW 9a_bS`kse Ua`ea^[VSfWV dWhW`gWe [` fZW fZdWW _a`fZe W`VWV IWbfW_TWd . +'
-+- , S`V -+-+' dWebWUf[hW^k%



JZW Xa^a i [`Y fST^W eg _ _Sd[1We ShWdSYW VS[^k Ua`eg _Wd egTeUd[bf[a`e Vgd[`Y fZW fZdWW _a`fZe W`VWV IWbfW _TWd .+' -+- , S`V
-+-+ Xad eW^WUf bgT^ [USf[a`e S`V Xad S^ Ua`eg _Wd egTeUd[bf[a` bdaVgUfe)^SS

; _b dXU dXbUU] _^dXc U^TUT HU`dU] RUB .+^SR^
-+-, -+++ 8XQ^WU " 8XQ^WU
7UddUb*\$L_beU%

\$[`fZageS`Ve' WjUWbf "%

: [Y[fS^(a`^k egTeUd[bf[a`e^SU% -'3+.

+KKG 8Q?HFOEFJD \$-- " aX fZW 9a_bS`kse Ua`ea^[VSfWV dWhW`gWe [` TafZ fZW fZdWW _a`fZe W`VWV IWbfW_TWd .+' -+-, S`V -++%

;_b dXU dXbUU]_^dXe U^TUT HU`dU] RUB .+'			
-+-,	-+++	8XQ^WU	" 8XQ^WU
7UddUb*\$L_bcU%			

\$[` _[^[a`e' WjUWbf " %

HWhW`gWe5				
9a`eg_Wd	!	0-/	!	//, ! 3. ,4 "
EfZWd	--	,2	0	-4 "
I_dQ\ GUFU^eUc	0/1	/03	33	,4 "
EbWdSf[`Y Wj bW`eWe	\$.12%	\$.+/%	\$1.%	\$-, % "
IW^[`Y' YW`WdS^ S`V SV_[` [efdSf[hW	\$4/%	\$3.%	\$, ,%	\$, .% "
HUW] U`d : 7>I96	!	30	!	2, ! ,/ -+ "

<ad fZW fZdWW _a`fZe W`VWV IWbfW_TWd .+' -+-, ' dWhW`gWe Sf fZW 8aa] FgT^[eZ[`Y eWY _W`f [`UdWSeWV !33a] FgT^[eZ[`Y eWY _W`f

Va^Sd SYS[`ef ^aUS^ UgddW`U[We dWeg^fWV [` S dWhW`gW [`UdWSeW aX !-0 _[^[a`' ad 0 "' Xad fZW fZdWW _a`fZe W`VWV IWbfW_TWd .+'
-+- , Se Ua_bSdWV fa fZW UaddWeba`V[`Y bWd[aV aX X[eUS^ -+- ,)

IWY_W`f ; 8?J : 7 Sf fZW DW i e CWV[S eWY_W`f [_bdahWV Tk !01 _[^[a` Xad fZW fZdWW _a`fZe W`VWV IWbfW_TWd .+' -+- , Se
Ua_bSdWV fa fZW UaddWeba`V[`Y bWd[aV aX X[eUS^ -+- , ' bd[_Sd[^k VgW fa Z[YZWd Ua`fd[Tgf[a`e Xda_ DW i e KA aX !-2 _[^[a` S`V

200QBN 8QN@E>0B0 KC . MQFFU :B@QNFFB0

E` IwbfW_TWd --' -+-, ' fZW 9a_bS`k S`ag`UWV S`W i efaU] dWbgdUZSeW bdaYdS_ SgfZad[1`Y fZW 9a_bS`k fa bgdUZSeW gb fa
!, T[[a` [` fZW SYdWYSfW aX [fe agfefS`V[`Y 9^See 7 9a__a` IfaU] S`V 9^See 8 9a__a` IfaU] \$fZW qHWbgdUZSeW FdaYdS_r%)
JZW HWbgdUZSeW FdaYdS_ dWb^SUWe fZW 9a_bS`kse !0++ _[[a` 9^See 7 9a__a` IfaU] dWbgdUZSeW bdaYdS_ SbbdahWV Tk fZW
9a_bS`kse 8aSdV aX : [dWUfade \$fZW q8aSdV aX : [dWUfader% [` CSk -+, .) JZW _S` `Wd' f[_`Y' `g_TWd S`V eZSdW bd[UW aX S`k
dWbgdUZSeWe i [[^ TW VWfWd_[`WV Tk fZW 9a_bS`k Sf [fe V[eUdWf[a` S`V i [[^ VWbW`V gba` egUZ XSUfade Se fZW _Sd]Wf bd[UW aX fZW
efaU]' YW`WdS^ _Sd]Wf Ua`V[f[a`e' Sbb^[UST^W eWUgd[f[We ^S i e' S^fWd` Sf[hW [` hWef_ W`f abbadfg` [f[We S`V afZWd XSUfade) JZW
HWbgdUZSeW FdaYdS_ ZSe `a f[_W ^[_f S`V _Sk TW _aV[X[WV' egebW`VWV ad V[eUa`f[`gWV Sf S`k f[_W)

JZW 9a_bS`k V[V `af bgdUZSeW S`k aX [fe 9^See 7 9a__a` IfaU] ad 9^See 8 9a__a` IfaU] Vgd[`Y fZW fZdWW _a`fZe W`VWV
IwbfW_TWd .+' -+-, S`V -++)

- FREABJAO

7e aX IWbfW_TWd .+' -+-, ' fZW 9a_bs`k ZSV Tadda i [Ye aX !431 _[[a`' i Z[UZ Ua`e[efWV aX fZW USddk[`Y hS^gW aX [fe -+-, IW` [ad DafWe)

7e aX IWbfW_TWd .+' -+-, ' fZW <ajfW^ : WtF =dagb ZSV \$[% Tadda i [Ye aX Sbbdaj[_SfW^k !34+ _[[a`' [U^gV[`Y fZW Xg^M VdS i Va i ` aX [fe -+, 4 JWd_BaS` <SU^[fk` S_ag` fe agfefS`V[`Y g`VWd fZW -+, 4 9dWV[f <SU^[fk S`V -+, 2 Mad][`Y 9Sb[fs^ <SU^[fk` [fe agfefS`V[`Y K)I) bd[hSfW b^SUW_W`f eW` [ad g`eWUgdWV` afWe S`V S_ag` fe agfefS`V[`Y g`VWd fZW JW^efdS <SU^[fk \$VWeUd[TWV TW^a i % S`V \$[[% fafS^ g`VdS i ` Ua __[f_W` fe aX 7! . .4 _[[a`' ShS[AST^W g`VWd fZW -+, 2 Mad][`Y 9Sb[fs^ <SU^[fk S`V -+, 4 9dWV[f <SU^[fk)

?` SVV[f[a` fa fZ[dW(bSdfk [VWTFWV`Wee' fZW <ajfW^ : WtF =dagb ZSe dW^SfWV bSdfk [VWTFWV`Wee' [U^gV[`Y 7!4++ _[[a`' aX agfefS`V[`Y eZSdWZa^VWd ^aS` e S`V ShS[AST^W XSU^[fWe Xda_ fZW 9a_bs`k) JZW eZSdWZa^VWd ^aS` e SUUdgW [fWdWef Sf S hSd[ST^W dSfW aX fZW 7gefds^[S` 88 IO b^ge S` Sbb^[UST^W _SdY[` dS`Y[`Y Xda_ 1).+ " fa 2)20 " S`V _SfgdW [: WUW_TWd -+-2) JZW eZSdWZa^VWd dWha^h[`Y UdWV[f XSU^[fk SUUdgWe [fWdWef Sf S hSd[ST^W dSfW aX fZW 7gefds^[S` 88 IO b^ge S` Sbb^[UST^W _SdY[` dS`Y[`Y Xda_ -)++ " fa .)20 " ' VWbW`V[`Y a` fZW <ajfW^ : WtF =dagbse `Wf ^WhWdSYW dSf[a' S`V _SfgdWe [@g^k -+- /) 7VV[f[a` S^Mk' fZW <ajfW^ : WtF =dagb ZSe S` 7!, 2+ _[[a`' egTadV[`SfWV eZSdWZa^VWd ^aS` XSU^[fk SYdWW_W`f i [fZ JW^efdS i Z[UZ US` TW geWV fa X[` S`UW UST^W fdS`e _[ee[a` Uaefe VgW fa JW^efdS) JZW JW^efdS <SU^[fk SUUdgWe [fWdWef Sf S hSd[ST^W dSfW aX fZW 7gefds^[S` 88 IO b^ge S` Sbb^[UST^W _SdY[` aX 2)20 " S`V _SfgdWe [: WUW_TWd -+-2) JZW 9a_bs`k WjU^gVWe fZW gf^[1Sf[a` aX fZW JW^efdS <SU^[fk Xda_ fZW IfSfW_W` fe aX 9SeZ <^a i e TWUSgeW [f e `a` (USEZ)

7e aX IWbfW_TWd .+' -+-, ' H; 7 =dagb ZSV \$[% Tadda i [Ye aX Sbbdaj[_SfW^k !-44 _[[a`' Ua`e[ef[`Y aX S_ag` fe agfefS`V[`Y g`VWd [fe -+- 9dWV[f <SU^[fk \$Se VWX[`WV TW^a i % S`V \$[[% 7!, 32 _[[a`' aX g`VdS i ` Ua __[f_W` fe ShS[AST^W g`VWd [fe -+- 9dWV[f <SU^[fk)

: gd[`Y fZW fZdWW _a`fZe W`VWV IWbfW_TWd .+' -+-, ' H; 7 =dagb Ua_b^WfWV S VWTF dWX[`S`U[`Y [` i Z[UZ [f dWbS[V S^M S_ag` fe agfefS`V[`Y g`VWd [fe -+-, 8d[VYw XSU^[fk i [fZ fZW bdaUWVWe Xda_ S`W i 7!1++ _[[a`' g`eWUgdWV ek`V[USfWV UdWV[f XSU^[fk \$fZW q-+- 9dWV[f <SU^[fkr% Ua`e[ef[`Y aX f i a egT(XSU^[fWeS \$[% S fZdWW kWSd' 7! /++ _[[a`' dWha^h[`Y ^aS` XSU^[fk \$fZW q-+- 9dWV[f XSU^[fk p fdS`UZW , r% S`V \$[[% S Xagd kWSd' 7! -++ _[[a`' dWha^h[`Y ^aS` XSU^[fk \$fZW q-+- 9dWV[f XSU^[fk p fdS`UZW -r%)

8adda i [Ye g`VWd fZW -+- 9dWV[f XSU^[fk p fdS`UZW , SUUdgW [fWdWef Sf S dSfW aX fZW 7gefds^[S` 88 IO b^ge S` _SdY[` aX TWf i WW` ,)++ " S`V -), + " ' VWbW`V[`Y a` H; 7 =dagbse `Wf ^WhWdSYW dSf[a) 8adda i [Ye g`VWd fZW -+- 9dWV[f XSU^[fk p fdS`UZW - SUUdgW [fWdWef Sf S dSfW aX fZW 7gefds^[S` 88 IO b^ge S` _SdY[` aX TWf i WW` ,), 0 " S`V -) - 0 " ' VWbW`V[`Y a` H; 7 =dagbse `Wf ^WhWdSYW dSf[a) 8afZ fdS`UZWe USddk S Ua __[f_W` f XWV aX /+ " aX fZW Sbb^[UST^W _SdY[` a` S`k g`VdS i ` TS^S`UW)

JZW -+- 9dWV[f <SU^[fk dWcg[dWe H; 7 =dagb fa _S[`fS[` \$[% S`Wf ^WhWdSYW dSf[a aX `af _adW fZS` .)O fa ,) S`V \$[[% S` [fWdWef UahWdSYW dSf[a aX `af ^Wee fZS` .) + fa ,) +)

JZW 9a_bs`k ZSe S` g`VdS i ` !20+ _[[a`' g`eWUgdWV dWha^h[`Y UdWV[f XSU^[fk \$fZW q-+, 4 DW i e 9adb 9dWV[f <SU^[fkr% fZSf US` TW geWV Xad YW`WdS^ UadbadSfW bgdbaWe' i Z[UZ fWd_[`SfWe a` : WUW_TWd , -' -+- /)

7^M aX fZW 9a_bs`k se Tadda i [Ye Ua`fS[` Ugefa_Sdk dWbdWeW`fSf[a`e' UahW`S`fe S`V WhW`fe aX VWXg^f) JZW 9a_bs`k i Se [Ua_b^[S`UW i [fZ S^M egUZ UahW`S`fe Sf IWbfW_TWd .+' -+-,)

IWW DafW 1 p 8adda i [Ye [fZW SUUa_bs`k[`Y 9a`ea^[VSfWV <[`S`U[S^ IfSfW_W`fe Xad XgdfZWd VWfS[^e dWYSdV[`Y fZW 9a_bs`k se agfefS`V[`Y VWTr' [U^gV[`Y UWdS[` [Xad_Sf[a` STagf [fWdWef dSfWe S`V _Sfgd[fWe dW^SfWV fa egUZ VWTr SddS`YW_W`fe)

, KI I P I B J P O

JZW 9a_bs`k ZSe Ua __[f_W` fe g`VWd UWdS[` X[d_ Ua`fdSufgS^ SddS`YW_W`fe \$q[Xd_ Ua __[f_W` fer% fa _S]W XgfgdW bSk_W`fe) JZW eW X[d_ Ua __[f_W` fe eWUgdW fZW UgddW`f S`V XgfgdW d[YZfe fa hSd[age SeeWfe S`V eWdh[UWe fa TW geWV [fZW `ad_S^ UagdeW aX abWdSf[a`e) JZW 9a_bs`k se Ua __[f_W` fe Se aX IWbfW_TWd .+' -+-, ZShW`af UZS`YWV e[Y[X[US`f^k Xda_ fZW V[eU^aegdWe [U^gVWV [fZW -+-, <ad_ ,+(A)

, KJPFJDBJ@FBO

JZW 9a_bs`k dagf[`w^k [e [`ha^hWV [` hSd[age ^WYS^ bdaUWVV[`Ye' U^S[_e S`V YahWd` _w`fS^ [`ebWUf[a`e ad [`hWef[YSf[a`e'
[`U^gV[`Y fZaeW V[eUgeeWV [` Dafw , + fa fZW 9a`ea^[VSfWV <[`S` U[S^ IfSfW _w`fe) JZW agfUa_w aX fZWeW _SffWde S`V U^S[_e [e
egT\WUf fa e[Y` [X[US`f g`UWdfS[`fk' S`V fZW 9a_bs`k aXfW` US``af bdWV[Uf i ZSf fZW WhW`fgS^ agfUa_w aX bW`V[`Y _SffWde i [^TW
ad fZW f[_[`Y aX fZW g^f[_SfW dWea^gf[a` aX fZWeW _SffWde) <WWe' WjBW`eWe' X[`We' bW`S^f[We' \gVY`_w`fe ad eWff^W`_w`f UaeFe i Z[UZ
_[YZf TW [`UgddWV Tk fZW 9a_bs`k [` Ua` `WUf[a` i [fZ fZW hSd[age bdaUWVV[`Ye Uag^V SVhWdeW^k SXXWUf [fe dWeg^fe aX abWdSf[a`e
S`V X[`S` U[S^ Ua` V[f(a`)

JZW 9a_bs`k WefST^eZWe S` SUUdgWV ^[ST^[^fk Xad ^WYS^ U^S[_e i ZW` [f VWfWd_[`We fZSf S ^aee [e TafZ bdaTST^W S`V fZW S`_ag`f aX
fZW ^aee US` TW dWSea`ST^k Wef[_SfWV) E`UW WefST^eZWV' SUUdgS^e SdW SV\gefWV Xda _ f[_w fa f[_w' Se Sbbdabd[SfW' [` ^[YZf aX
SVV[f[a`S^ [`Xad_Sf(a`) JZW S`_ag`f aX S`k ^aee g^f[_SfW^k [`UgddWV [`dW^Sf[a` fa _SffWde Xad i Z[UZ S` SUUdgS^ ZSe TWW`
WefST^eZWV _Sk TW Z[YZWd ad ^a i Wd fZS` fZW S`_ag`fe SUUdgWV Xad egUZ _SffWde) BWYS^ XWWe SeeaU[SfWV i [fZ ^[f[YSf[a` S`V e[_[^Sd
bdaUWVV[`Ye SdW WjBW`eWV Se [`UgddWV) JZW 9a_bs`k dWUaY` [1We YS[` Ua`f` YW`U[We i ZW` fZW YS[` TWUa`_We dWS^1WV ad
dWS^1ST^W) IWW Dafw , + p 9a`_ _[f`_w`fe S`V 9a`f` YW`U[We [` fZW SUUa`_bs`k[`Y 9a`ea^[VSfWV <[`S` U[S^ IfSfW _w`fe)

JZW 9a_bs`k se fSj dWfgd`e SdW egT\WUf fa a` (Ya[`Y dWh[W i S`V WjS`_[`Sf[a` Tk hSd[age fSj SgfZad[f(We) JSj SgfZad[f(We _Sk`af
SYdWV i [fZ fZW fdWSf`_w`f aX [fW`_e dWbadfWV [` fZW 9a_bs`k se fSj dWfgd`e' S`V fZWdWXadW fZW agfUa_w aX fSj dWh[W i e S`V
WjS`_[`Sf[a`e US` TW g`bdWV[UfST^W) JZW 9a_bs`k TW^WhWe [fZSe Sbbdabd[SfW^k SUUdgWV Xad fZW WjBWUfWV agfUa_w aX g`UWdfS[`
fSj _SffWde S`V TW^WhWe egUZ ^[ST^[^f[We dWbdWeW`f S dWSea`ST^W bdah[e[a` Xad fSjWe g^f[_SfW^k WjBWUfWV fa TW bS(V) >a i WhWd'
fZWeW ^[ST^[^f[We _Sk`WV fa TW SV\gefWV Se `w i [`Xad_Sf[a` TWUa`_We]`a i` S`V Se fSj WjS`_[`Sf[a`e Ua`f`gW fa bdaYdWee' ad Se
eWff^W`_w`fe ad ^[f[YSf[a`e aUUGd)

H><C6IJG:

FgdegS`f fa fZW dWcg[dW_W`fe aX fZW IWUgd[fWe ; jUZS`YW 7Uf aX ,4. /' fZW dWY[efdS`f ZSe Vg^k USgeWV fZ[e dWbadf fa TW e[Y`WV a` [fe TWZS^X Tk fZW g`VWde[Y`WV fZWdWg`fa Vg^k SgfZad[1WV)

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8k5 *e* IgeS` FS`gUU[a

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