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Q3R! S;*3;! M;3$);E! N! W8$ '3/2**(2=$ 8*01$&H$2*07=,(-$=0)$S**(0H'($&(*$S*70')*$ &H$)*K*10+$(*5$/1&`*72)$0(?$30(8$*(`&80S+*$)2'?*(2)J$$!$S10(7=*?$&HH$,(2&$(*5$2*11,2&18$ H&1$)&3*$&H38/1&H*)),&(0+$)/*0<,(-J$$9=,)$,(7+'?*?$25&$5&1<)=&/)$H&1$/01*(2)$&H$7=,+I ?1*($5,2=$78)2,7$H,S1&),)$0)$5*++$0)0H*5$ 5&1<)=&/)$H&1$8&'(-$0?'+2)$5,2=$7*1*S10+$ /0+)8$N0(?$2=*,1$/01*(2)0J$!$0//1*7,02*?$2=*$ 7=0++*(-*$&H$/1*)*(2,(-$&($(*5$2&/,7)$,(7+'?I ,(-$701**1$/+0((,(-$0(?$7&/,(-$5,2=$0$+,H*I)=&12*(,(-$?,)*0)*J$$$!$0+)&$*(`&8*?$)/*0<,(-$ 02$2=*$!(2*1(02,&(0+$603,+8$9=*10/8$>))&7,0I 2,&(V)$0(('0+$7&(H*1*(7*$,($#0(030J$$>2$2=02$ 7&(H*1*(7*$!$/1*)*(2*?$&($71&))$7'+2'10+$ 0//1&07=*)$2&$H03,+8$0?0/2,&($5=*($10,),(-$0$ 7=,+?$5,2=$0$?,)0S,+,28J$$!$0+)&$/1*)*(2*?$&($ <**/,(-$3011,0-*)$0(?$/012(*1)=,/)$)21&(-$ 5=,+*$10,),(-$7=,+?1*($&($2=*$0'2,)3$)/*7I 21'3J$$$9=02$7&(H*1*(7*$50)$30?*$*K*($ S*22*1$S*70')*$!$-&2$2&$K,),2$2=*$10,(H&1*)2$ 0(?$)**$)+&2=)W$3&(<*8)$0(?$2&'70()J$

a*25**($)*3*)2*1)$!$H'12=*1$$H'+H,++*?38 5,+?+,H*$710K,(-$S8$-&,(-$2&$2=*$@0+0/0-&)$!)+0(?)J$!2$,)$21'*$2=02$8&'$)**$)/*7,*)$2=02$?&(V2$*[,)2$0(85=*1*$*+)*$,($2=*$5&1+?$0(?$ 2=*$5,+?+,H*$,)$(&2$)=8J$9=,)$,(7+'?*)$2=*$)=01<)$5*$3*2$5=,+*$)(&1<*+,(-$0(?$*K*18$ 28/*$&H$1*/2,+*$8&'$7&'+?$,30-,(*J$

$!$7&(2,('*?38b'0+,202,K*$)2'?8W$5,2=$ %&'12(*8$;,++,03)$N0$H&13*1$-10?'02*$0)),)I 20(20$&($2=*$*[/*1,*(7*)$&H$H02=*1)$&H$8&'(-$ 7=,+?1*($5,2=$.&5($)8(?1&3*J$$a&2=$2=*$ -&&?$(*5)$0(?$2=*$S0?$(*5)$,)$2=02$5*$=0K*$ *(&'-=$?020$2&$<**/$')$S')8$H&1$)*K*10+$ 8*01)J$$!2$,)$K*18$(,7*$2&$5&1<$0)$7&++*0-'*)$ 102=*1$2=0($/1&H*))&1$0(?$)2'?*(2J$$Q H$0++$38$ /1&H*)),&(0+$072,K,2,*)$2=,)$8*01W$!$=0K*$3&)2$ *(`&8*?$S*,(-$2=*$0?K,)&1$&H$2=*$61,*(?)=,/$ %,17+*$&H$#,22)S'1-=J$$Q'1$,(7+'),&($-1&'/$ (&5$=0)$DEB$3*3S*1)$0(?$&'1$H&7')$,)$&($ 71*02,(-$7&33'(,2,*)$,($5=,7=$H1,*(?)=,/$,)$$ 3&1*$077*)),S+*$2&$0++I*)/*7,0++8$8&'2=$5,2=$?,)0S,+,2,*)$5=&$01*$&H2*($*[7+'?*?J$$

$$$$$$W8$30`&1$/1&`*72)$2=,)$)'33*1$01*$H,(I ,)=,(-$38$S&&<$&($)&+&$/01*(2)$10,),(-$7=,+I ?1*($5,2=$?,)0S,+,2,*)J$$!$03$0+)&$+&&<,(-$H&1I 501?$2&$2=*$7=0++*(-*$&H$)/*0<,(-$02$910K,)$ >,1$6&17*$a0)*$2&$3,+,2018$7&'/+*)$10,),(-$ 7=,+?1*($5,2=$?,)0S,+,2,*)J$9=,)$,)0(*5$K*(I 2'1*$H&1$3*J$>(?$!$=&/*$2&$70/$&HH$2=*$)'33*1$ 5,2=0H03,+8$K0702,&(W$-02=*1,(-$38$0?'+2$<,?)$ H1&3$0++$/012)$&H$2=*$"J$

Q3R!C/)#!M.>;3()A!N!

7&(2,('*)$2&$)*1K*$0)$0($!(2*1(02,&(0+$:7=&+01$,($$2=*$>70?*3,7$6*++&5I)=,/$#1&-103$0(?$5&1<)$5,2=$2=*$.,1*72,&($&H$#87=&+&-8$02$9S,+,)$:202*$"(,K*1),28$N9:"0$,($

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9=*$%*(2*1$H&1$%&'()*+&1$910,(,(-$0(?$.*K*+&/3*(2$,)$/+*0)*?$2&$5*+7&3*$S07<$.1J$@0118$U0(?1*2=W$0($,(2*1(02,&(0++8$<(&5($H,-'1*$,($2=*$H,*+?$&H$/+08$2=*10/8W$5=&$5,++$/1*)*(2$0$&(*I?08$5&1<)=&/J$$9=,)$*K*(2W$*(2,2+*?$^X*0+,(-$2=*$X'12,(-$%=,+?c$$9=*$4*7*))018$.,3*(),&()$&H$%=,+?I%*(2*1*?$#+08$9=*10/8W_$$5,++$20<*$/+07*$02$2=*$@1**()S'1-$@01?*($0(?$%,K,7$%*(2*1$&($Q72&S*1$CTW$ABCDW$H1&3$Ic]B03I]cCE/3$,($@1**()S'1-W$#>J$$.'1,(-$2=*$/1*)*(202,&(W$.1J$U0(?1*2=$5,++$)=*?$+,-=2$'/&($2=*$/*17*/2'0+$5&1+?$&H$2=*$7=,+?W$2=*$?8(03,7$*+*3*(2)$&H$2=*$1*+02,&()=,/$2=02$H07,+,202*$2=*$/+08$2=*10/8$/1&7*))W$)21'72'1,(-$2=*$1*+0I2,&()=,/$,($2=*$/+081&&3W$^1*0?,(-_$2=*3*)$,($7=,+?1*(V)$/+08W$2=*$H&'1$=*0+,(-$3*))0-*)$(**?*?$S8$0$7=,+?$5=&$,)$='12,(-W$=*+/,(-$7=,+?1*($?*K*+&/$)*+HI7&(21&+$0(?$)*+HI1*)/&(),S,+,28W$2=*$>%9$3&?*+$&H$2=*10/*'2,7$+,3,2$)*22,(-W$0(?$2=*$+0(-'0-*$&H$H07,+,202,(-$7=0(-*$,($7=,+?1*(J$$;&1<)=&/$072,K,2,*)$5,++$7*(2*1$01&'(?$)/&(20(*&')$?*3&()2102,&()$S8$.1J$U0(?1*2=$&($)/*7,H,7$7=0++*(-*)$,($2=*$/+08$2=*10/8$*[/*1,*(7*$0(?$0(0+8),)$&H$K,?*&20/*)$&H$.1J$U0(?1*2=V)$/+08$2=*10/8$)*)),&()J$

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.1J$U0(?1*2=$,)$,(2*1(02,&(0++8$1*7&-(,h*?$H&1$=,)$51,2,(-)$0(?$5&1<$,($/1&3&2,(-$2=*$?*K*+&/3*(2$&H$7=,+?I7*(2*1*?$/+08$2=*10I/8J$$X*$,)$0$F*-*(2)$#1&H*))&1$,($2=*$.*/0123*(2$&H$%&'()*+,(-$0(?$H&'(?*1$&H$2=*$%*(2*1$H&1$#+08$9=*10/8$02$2=*$"(,K*1),28$&H$4&12=$9*[0)J$$.1J$U0(?1*2=$,)0H1*b'*(2$)/*0<*1$02$/+08$2=*10/8$7&(H*1*(7*)$01&'(?$2=*$5&1+?J$$X,)$3&1*$2=0(CEB`&'1(0+$012,I7+*)W$S&&<)$0(?$.m.)$,(7+'?*$2=*$1*7*(2$]1?$*?,2,&($&H$=,)$0501?I5,((,(-$S&&<$#+08$9=*10/8c$9=*>12&H$2=*$F*+02,&()=,/W$5=,7=$=0)$S**($210()+02*?$,(2&$)*K*10+$+0(-'0-*)J$

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F*-,)2102,&($5,++$&/*($>'-')2$CW$ABCDW$5,2=$*01+8$S,1?$102*)$0K0,+0S+*$2=1&'-=$:*/2*3S*1$CA2=J$$6&1$3&1*$,(H&1302,&(W$/+*0)*$K,),2$2=*$%%9:$5*S),2*$555J,'/J*?'\7&'()*+,(-\7*(2*1)\$&1$7&(2072$2=*$%%9:$S8$/=&(*$NTADO$]ETI]IBTW$&1$*30,+c$$772)I7&'(n,'/J*?'J$

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.'%J'$!()'!U%(($@*34)!<*$%#'$$!D%0'$!!6789!<*$%#'$$, /0'#!G%3$(!:=;3&R!!!

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.,0(*$.*0($=0)$S**($=&(&1*?$0)$&(*$&H$AE$5&3*($)*+*72*?$2=,)$8*01$H&1$2=*$a'),(*));&3*($6,1)2$>501?)J$9=,)$/1*)2,-,&')$0501?$,)$/1*)*(2*?$S8$2=*$#,22)S'1-=$a'),(*))$9,3*)W$0(?$)/&(I)&1*?$S8$#4%$a0(<J$$

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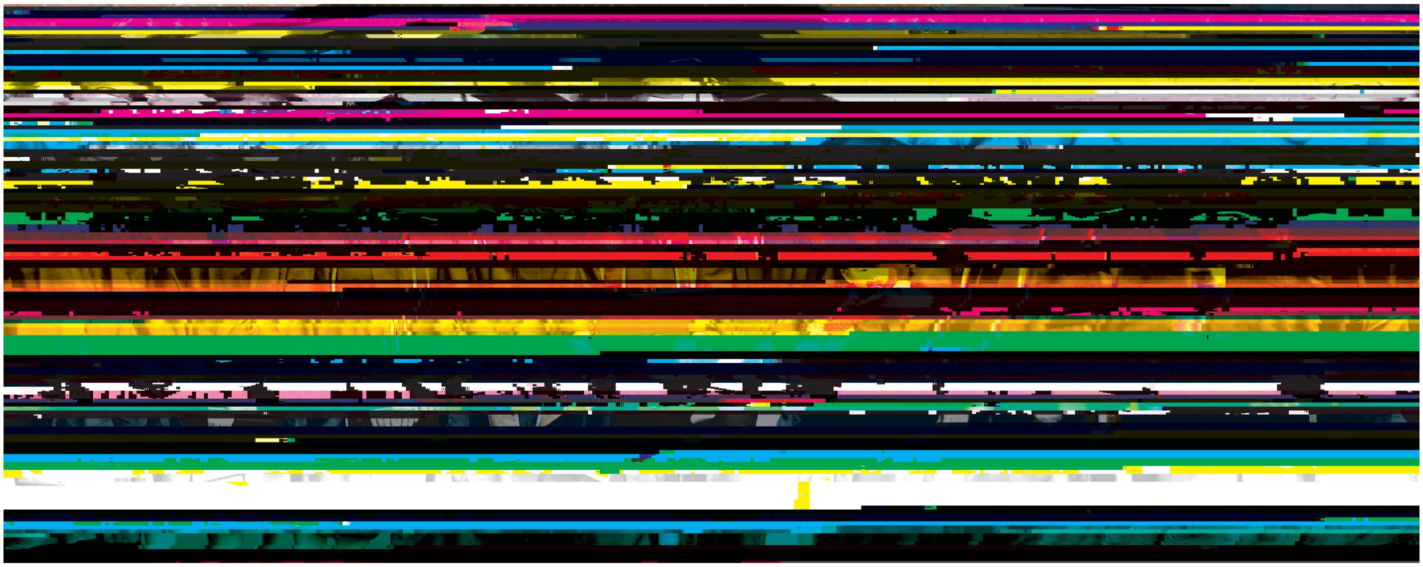
9=*$a'),(*));&3*($6,1)2$>501?)$1*7&-(,h*$2=*$1*-,&(g)$3&)2$(H+'*(2,0+$S'),(*))$5&3*($,($2=*$7&33'(,28J$$;,((*1)W$)*+*72*?$H1&3$*K*18$,(?')218$0(?$/1&H*)),&(W$01*$5&3*($5=&gK*$30?*0?,HH*1*(7*$,($2=*,1$7&33'(,2*)W$S+0h*?$0$210,+$H&1$&2=*1$5&3*($0(?$01*$+*0K,(-$0$301<$&($2=*$5*)2*1($#*(()8+K0(,0$S'),(*))$7&33'(,28J$9=*$5,((*1)$&H$2=,)$0501?$01*$*)20S+,)=*?$S'),(*))$+*0?*1)$5,2=0)21&(-$1*7&1?$&H$,((&K02,&($,($2=*,1$H,*+?W$0(?$&'2)20(?,(-$/*1H&130(7*$,($S'),(*))J$9=,)$0501?$,)$*01(*?$S8$5&3*($5=&)*$*HH&12)$01*$3&+?,(-$2=*,1$5&1</+07*$0(?$,(?')218J$$!!
9=*$;&3*($g)$U*0?*1)=,/$F*7*/2,&($0(?$a'),(*));&3*($6,1)2$0501?)$7*1*3&(8$0(?$$-0+0$?,((*1$50)$=*+?$&($9='1)?08W$017=$C]W$ABCDW$02$2=*$Q3(,$;,++,03$#*(($X&2*+J$4*2I



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6789!>;3''3!Q;A!, /3E$)/2$!H/3!U3'4#;#(!;#&!U;3'#(%#4!D''#$!

^%01**1$.08_M$0($0(('0+M$7&++0S&102,K*$5&1<)=&/$7&&1?,(02*?$S8$2=*$.*/0123*(2$&H$%&'()*+,(-$0(?$2=*$>13)21&(-$!(?,0(0$!(2*1
3*?,02*$"(,2$N>F!40$#1*-(0(2$0(?$#01*(2,(-$9**($/1&-103$50)$=*+?$&($W017=$CAM$ABCD$$,($2=*$X"a02!"#J$$6,K*$.*/0123*(2$&
%&'()*+,(-$30)2*1V)$?*-1**$70(?,?02*)$/1*)*(2*?$701**1$5&1<)=&/)$

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718*#%1#+91#:*;;+!$&%<+9=$2>+?#1;*@;$1%+A$22<+

?'=!S;=$!Q'H%#'!M;#&;(/3A!['2/3('3$!/H!1*$2'.('&!>)%-&!:@*$'!

9=*$(*5$+05)$5,++$*[/0(?$0(?$H'12=*1$?*H,(*$30(?02&18$1*/&12*1)$0(?$2=*$1*/&12,(-$/1&7*))M$,(71*0)*$/*(0+2,*)$H&1$2=&)*$30(?02*?$2&$1*/&12$)')/*72*?$7=,+?$0S')*$5=&$H0,+$2&$?&$)&M$0(?$/1&K,?*$/1&2*72,&()$H1&3$*3/+&83*(2$?,)71,3,I(02,&($H&1$H,+,(-0-&&?$H0,2=$1*/&12$&H$7=,+?$0S')*J$$9=*$a,++)$),-(*?$,(2&$+05$01*$0)$H&++&5)c$

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:*(02*$a,++$AC$N ; 01?0c$GHH*72,K*$.*7J$]CM$ABCD$

%+01,H8$2=*$?*H,(,2,&($&H$30(?02&18$1*/&12*1$2&$,(7+'?*$0(8&(*$5=&$7&3*)$,($7&(2072$5,2=$0$7=,+?M$&1$,)$?,1*72+8$1*)/&(),S+*$H&1$2=*$701*M$)'/*1K,),&(M$-',?0(7*M$&1$210,(,(-$&H$0$7=,+?$0)$0$30(?02&18$1*/&12*1J$

Q'2+,(*$2=*$1*/&12,(-$/1&7*))$H&1$30(?02&18$1*/&12*1)M$,(7+'?,(-$,33*?,02*$1*/&12,(-$2&$2=*$.*/0123*(2$&H$#'S+,7$;*+H01*$S8$/=&(*M$5,2=$0$51,22*($&1$*+*721&(,7$1*/&12$H,+*?$5,2=,($DI$=&'1)J$

1*00'3!B-'.(%J'!Q'$.3%2(%/#$!V./#(%#*'&W!

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S%$;!M;-/#'A_!!!C*#'!6`!:*4R!\_!,'&#'$&;A$F!8+]7`9+77!2R0R!!

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>YZ?!^\\!V778W!>3%$%$!:&&%.(%/#!>/*#$'-%#4R!!:2'?*(2)$5,++$?*K*+&/$0($'(?*1)20(?,(-$&H$7&'()*+,(-$7+,*(2)\)2'?*(2)$?'1,(-$71,),)I$?,)0)2*1I$0(?$&2=*1$210'30$70'),(-$*K*(2)$0(?$7&'()*+,(-$7+,*(2)\)2'?*(2)$2=1&'-=$0??,72,K*$/1&7*))$1*+02,(-$2&$7=*3,70+$0(?$S*=0K,&10+$0??,72,&()J$6&1$71,),)$0(?$0??,72,&($7&'()*+,(-I$2=,)$7&'1)*$5,++$*[03,(*$2=*&1,*)I$3&?*+)I$0))*))3*(2$2*7=(,b'*)I$0(?$,(2*1K*(2,&($)2102*-,*)J$9=*$7&'()*++&1V)$7&++0S&102,K*$1&+*$,($71,),)$/1*/01*?(*))$0(?$1*)/&()*$,)$?,)7'))*?I$,(7+'?,(-$)*++I701*$)2102I*-,*)$0//1&/1,02*$?'1,(-$71,),)$0(?$0??,72,&($7&'()*+,(-J$:2'?*(2$3/*2*(7,*)$01*$*(=0(7*?$S8$/012,7,/02,&($,($072,K,2,*)$0??1*)),(-$2=*&1*2,70+$0)$5*++$0)$/1072,70+$<(&5+*?-*$&H$71,),)$0(?$0??,72,&($7&'()*+,(-J$$B-%e;@'()!1A$;E_!C*#'!6`C*-A!]_!D)*3$&;A$F!9+9K`a+K7!2R0R!!

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>YZ?!^\K!VK78W!L3%'H!>/*#$'-%#4!!9=,)$7&'1)*$,)$0($,(I?*/2=$*[/+&102,&($&H$2=*$-1,*H$/1&7*))$5,2=$0$H&7')$&($-1,*H$7&'()*+,(-$)2102*-,*)J$9=*$?,HH*1*(7*)$S*25**($r-1,*K,(-$5*++r$0(?$7&3/+,702*?$3&'1(,(-$5,++$S*$*[/+&1*?I$0+&(-$5,2=$7&'()*+,(-$)2102*-,*)$2&$H07,+,202*0=*0+2=8$-1,*K,(-$*[/*1,*(7*J$#1&K,?,(-$7&'()*+,(-$2&$,(?,K,?'0+)$N7=,+?1*(II0?'+20$0(?$H03,+,*)$*[/*1,*(7,(-$2=*$210'30$

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e&'$70($K,*5$2=,)$0(?$/1*K,&')$,))'*)$&H$&'1$(*5)+*22*1$02$
===R%*2R'&*5./*#$'-%#4!,($2=*$(*5)$)*72,&(J$