```
"#$%!&"()*!+,-,./#0! 1 ,20$3-!
                                         45/6%7!'8'8!9$:/-,!!
                                                    !
; /$<,--$/!=.%6.!>./0.?!
                                                                                    !
@<<6#,*!!
                      #$%&% '($)!""*!
"?.6A*!!
                      +,&(,-,0,') 1 $\%2\%/,3\%-435!
@<<6#.!B$:/-*!!
                      65!"78*9, ':""8*9, '!,&3!.;!,<<%(&+ '4&+-!
9A.--!=6?,!.%3!A$#.26$%*!#$%&!9!65=60!>8?7!:!"78*9<'!
9$:/-,!C$.A-!
604!)4$%&3!)4 ' 4)+4/!%@!+04!/4)4,/$0! ' 4+0%3)!$2,))!A(B4)!%<<%/+5&(+(4)!@%/!)+534&+)!C%/D(&A!%&!+04(/!
\%/,2!</%<\%),2)!+\%!3()\$5))!,&3!</4)4&+!+04(/!\%&A\(&A!C\%/D-!E;!+04!4&3!\%@!+04!$2,))!(+!()!4F<4$+43!+0,+!
'%)+!)+534&+)!C(22!$%' <24+4!+04!$%' </404&)(B4!%/,2!4F, '!</%<%),2!,&3!34@4&3!(+-!G4!C(22!,2)%!.4!
@%$5)(&A!%&!',D(&A!)O%/+!$%&@4/4&$4!</4)4&+,+(%&)H!5)4@52!34)$/(<+(B4!)+,+()+($)H!,&3!43(+(&A!;%5/!%C&!
C%/D!,)!C422!,)!%+04/)-!
9$:/-,!9$\%2,\%2!
I+534\&+)!C(22!<,/+($(<,+4!(\&!+04!@%22%C(\&A!,$+(B(+(4)8!
"_
```

"

!

```
<,<4/)!,/4!354!%&!+04!2,)+!3,;!%@!$2,))-!M&!',&;!$,)4)!+04!<,<4/!;%5!0,&343!(&!@%/!;%5/!
$%'</404&)(B4!4F,'!C(2!)5@($4!,)!;%5/!@(&,2!<,<4/!@%/!+04!$2,))!,&3!M!C(22!24+!;%5!D&%C!+0,+!,+!+04!
4&3!%@!+04!$%'</404&)(B4!4F,'-!I44!.42%C!@%/!'%/4!34+,(2)!/4A,/3(&A!+04!A5(342(&4)!@%/!+04!%/,2!
$%'</404&)(B4!4F,'-!!
!
C/.36%7!
S44/!W/,3(&A!%@!43(+)!,&3!';!$2,))!<,/+($(<,+(%&!A/,34!"7X!
I0%/+!S/4)4&+,+(%&!!!!!!!!!!!!"9X!!</pre>
```

!

?9X! \*7X!!

Y22!354!3,+4)!,/4!%&!+04!\$,24&3,/H!.5+!,/4!)5.74\$+!+%!\$0,&A4!34<4&3(&A!%&!+04!\$2,))!</%A/4))!,&3!&443)-!
G04&!3/,@+)!,/4!354H!5A,.-,!, ?.6A!20, ?!2\$!D\$:/!7/\$:5!E,<\$/,!).?!%&!+04!3,;!+04;!,/4!354-!S24,)4!
,2)%!<5+!,!0,/3!\$%<;!(&!';!',(2!.%F!.;!+04!4&3!%@!+04!3,;-!60()!,22%C)!)+534&+)!+%!5)4!+04!\$2,))!+('4!+%!
/4,3!4,\$0!%@!+04!A/%5<!<,<4/)-!M@!,)!,!A/%5<!;%5!,/4!%D,;!C(+0!4',(2(&A!+04!3/,@+!%5+!2,+4/!+0,+!3,;H!+0,+!

V(&, 2!S/4)4&+, +(%&!!)

!

V(&, 2!S/% < %), 2=S, <4/!!

```
)2(34!C(22!A/,<0!%5+$% ' 4! [ !, )!. !05&$+(%&!%0!+04! ' %342!<,/, ' 4+4/)!Y!,&3!E-P!!%/!060()!)2(34!C(22!0,B4!,!
+, .24!\% 0! '; !., )($! \ a I!/4)52+)-!!60()!)2(34!C(22!\$\%+, (&! '; !0(F43:4004\$+)!/4)52+)\H!<\%\243!, &3!+04&!
)4<,/,+43!(&+%!34B42%<(&A!,&3!34B42%<43!$%5&+/(4)-P!\(\text{M}!\);\(\delta\)5!5)4!+0()!\(\delta\)+(\(\delta\)\(\delta\)!\(\delta\)24\,)4!\,2)\(\delta\)!\(\delta\)534!CO\,+!
</\% A/4)!; \% 5!0, B4!, 34!)(\$ 4!2, )+!)4, 4)+4/H!\%/!35/(\&A!+04!)4, 4)+4/-!
604!.53(4&$4!C(22!%.)4/B4!$%&@4/4&$4:)+:24!/524)H!C0($0! '4.&)!C4!%&2:!(&+4//5<+!@%/!$2./(@:(&A!
N54)+(%&)!,&3!/4)4/B4!)5.)+,&+(B4!N54)+(%&)!@%/!+04!4&3-!!60()! '4,&)!+0,+!;%5/!"9! '(&5+4)!C(22!.4!
B(/+5,22;!5&(&+4//5<+43-!! [ %5!, /4!4F<4$+43!+%!, 304/4!)+/($+2;!+%!+04!+( '4!2( '(+!!, )!A%(&A!%B4/!/4@24$+)!
<\%\/2;!\\&!;\\5!,+!/4,2!\\\&\@4/4\\$4)-!604/4!C(22!.4!9:"7!'(\&5+4)!\@\/!N54)+(\\&)!,\@+4/!;\\5/!</4)4\\+,+(\\&-!
[\%5!\&443!+\%!4',(2!+04!\$2,))!;\%5/!34+,(243!,.)+/,\$+!,+!24,)+!+C\%!3,;)!.40\%/4!;\%5!</4)4\&+!K)4&3!.;!15&3,;!
(0! < /4)4\& + !\%\& !654)3, ;L-!M!4F < 4\$ + !4, \$0!) +534\& + !+\%!0, B4!/4, 3! + 04!34 +, (243!, ...) + /, \$+!0\%/! + 0, +!3, ;0)!
</4)4&+,+(%&)!,&3!+%!0,B4!</4<,/43!N54)+(%&)-!!
G4!C(2!3\%!?!</4)4\&+,+(\%\&)!<4/!3.;!,&3!</4)4&+4/)!)0\%523!A4+!+<math>\%!+04!\$2.))/\% '!9:"7! '(&5+4)!4./2;!,&3!
A4+!+04(/!</4)4&+,+(\%\&)!2\%,343!\%\&+\%!; !2,<+\%<!.;!+04!)+,/+!\%@!\$2,))!KM!O,B4!,!TY^L-!!M@!+O,+!3,;0)!
</4)4&+,+(%&)!,/4!5)(&A!,!)+534&+!2,<+%<!!!<24,)4!%/A,&(4!)2(34)!+%!0('=04/!(&!,3B,&$4!)%!+0,+!+04;!C(2!)
,2/4,3;!.4!%&!+04!2,<+%<!.40%/4!$% '(&A!+%!$2,))-!!
```

## N6% A!; /, -, %2.26\$%-!

!

\&4!0\%5/!</4)4\&+,+(\%&!\@\%/!+0\%)4!3\%(\&A!+04(/!\\$\%' </404\&)(\B4!\%/,2!4F, '\U!0,2\@!,\&!0\%5/!\%+04/C()4-!\MA\!1. -2:3,%2-!./,!,L5,#2,3!2\$!.22,%3!.%D!5/,-,%2.26\$%-!20.2!./,!%\$2!<\$/!20,!#\$?5/,0,%-60,!,L.? H

?

```
()!/424B,&+!%/!+04!/4)4,/$0!</%Z4$+-!!M+!()!+04&!+04!)+534&+0)!/4)<%&)(.(2(+;!+%!@, '(2(,/(_4!0( '=04/)42@!C(+0!)+0()!2(+4/,+5/4#lC0($0!)0%523!.4!2()+43!.; !+04!4F, '(&4/!C(+0!)5@@($(4&+!24,3:+( '4!@%/!+0,+!<5/<*)4#l!.4@%/4! +04!</4)4&+,+(%&-!!R5/(&A!+04!4F, '#l4F, '(&4/)! ',;#l%@!$%5/)4#lN54)+(%&!+04!)+534&+!%&!,&;!())54)!,&3! 2(+4/,+5/4!+04;!C()0!+0,+!()!$%B4/43!(&!+04!</%<%),2-!! !

dL!S/(%/!+%!+04!)+,/+!%@!+04!%/,2)!;%5!C(2!.4!,)D43!+%!24,B4!+04!/%% '!)%!+04!$% ''(++44!$,&!./(402;!+,2D-!! !

eL!Y+!+04!4&3!%@!+04!%/,2!$% '</404&)(B4!4F, '#l,22!,++4&344)!4F$4<+!+04!4F, '(&(&A!$%' '(++44! '5)+!4F(+! +04!/%% '!)%!+0,+!+04!4F, '(&(&A!$*' '(++44! '5)+!4F(+! +04!/%% '!)%!+0,+!+04!4F, '(&(4)!',;13()$5))!+04!<4/@%/',&$4!%@!+04!)+534&+-![%5!C(2!.4!,)D43!.,$D! (&*H-04!/%% '!,&3!+%23!+04!/4)52+!%@!;%5/!4F, '-! !

>H!N.#:\(\data_{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\math
```

!

## =,%2.260,!9 $\land$ .--!4#0,3: $\land$ .!!

!

Q""R!@N!	=S''4FMT!	=BS+4FMT!
"!]!f,&!"*!	M&+/%35\$+(%&!=!R4+,(243!Y.)+/,\$+!=! S,<4/!Y3B(\$4!=!^/4,+4!A/%5<)!=! R())4\$+!(&+/%35\$+(%&!	S/4)4&+,+(%&!Y3B(\$4!=!R4)\$/(<+(B4!R,+,! Y&,2;)()! R/,@+!R54!0R4+,(243!Y.)+/,\$+P!]4',(2!+%! A/%5 .;!&%%&!%&!V/(3,;!5&24))!%+04/!<br ,//,&A4'4&+!()!',34!
J!]!f,&!J"!	W/%5 #3(+8!R4+,(243!Y.)+/,\$+)!</td <td>6ER!! Y.)+/,\$+!R548!K<!--(&+43!,&3!(&!';!',(2.%FL!.;!?<'!</td--></td>	6ER!! Y.)+/,\$+!R548!K (&+43!,&3!(&!';!',(2.%FL!.;!?<'!</td
?!]!f,&!Je!	M&3(B(35,2! '44+(&A)!K*=3,;L!	M&3(B(35,2! '44+(&A)!K*=3,;L!
*!]!V4.!*!	M&3(B(35,2! '44+(&A)!K*=3,;L!	g%!^2,))8!C%/D!%&! 4)4&+,+(%&)!</td
9!]!V4.!""!	IO%/+! 4)4&+,+(%&)!K?=3,;L!</td <td>IO%/+!<!--4)4&+,+(%&)!K?=3,;L!</td--></td>	IO%/+! 4)4&+,+(%&)!K?=3,;L!</td
b!]!V4.!"e!	IO%/+! 4)4&+,+(%&)!K?=3,;L!</td <td>IO%/+!<!--4)4&+,+(%&)!K?=3,;L!</td--></td>	IO%/+! 4)4&+,+(%&)!K?=3,;L!</td
d!]!V4.!J9!	^2,))8!S/4<,/(&A!@(&,2! 4)4&+,+(%&!,&3!\$,+\$0:5<!</td <td>g%!^2,))8!R/,@+!R54!+%!A/%5<!--! OR,+,=T4+0%3)!]4'<(/(\$,2!)+/,+4A;H! '%342!%5+2(&4!%/!)4+!5<P!</td--></td>	g%!^2,))8!R/,@+!R54!+%!A/%5 ! OR,+,=T4+0%3)!]4'<(/(\$,2!)+/,+4A;H! '%342!%5+2(&4!%/!)4+!5<P!</td
e!]!T,/!?!	W/%5 #3(+8!R,+,=T4+0%3)!KT%342!<br )4+!5 <l!< td=""><td>g%!^2,))8!)4&amp;3!%5+!/4C%/D43! OR,+,=T4+0%3)P!</td></l!<>	g%!^2,))8!)4&3!%5+!/4C%/D43! OR,+,=T4+0%3)P!
>!]!T,/!"7!	R/,@+!R54!0h4)52+)P!%/!)4\$%&3!A%!,+! T4+0%3)!	W/%5 #3(+8! T 4+0%3)=h4)52+)!</td

"7!]!T,/!"d! 6ER! 6ER!