T B M J 18, 2024 "#\$%&!'()\*+(,!-\$.\$/0\$1!23!452.6!(

```
?DK0&G%%1#/9&G#/"1%*&
 !"!#\$!"!\%k'()*+,(k-./0+1+2+,(k345,6k78549k:;82k'()*+,(k'+;10.+9k!)
3;08;0(<=\lambda\lambda-./0+1+2+,(\lambda8:\lambda>+5;0,?\lambda@)(.82+9\lambda0,\lambdaA8;+\lambda-.5*+20.\lambda'B0449!
                                                                                                                                                                                                                                              !
C < \lambda(/+k+, *k8:kD), +k!"!\% (/+k'E+.054kF*).5(08, k(+52kG044k02E4+2+, (k+10*+, .+$H59+*k40(+;5.< k0, (+;1+, (08, 9k))))
:8:\&9()*+,(9\&0,\&'E+.054\&F*).5(08,\&E;8?;529\&G/8\&;+I)0;+\&I0+;\&!\&5,*\&K\&40(+;5.<&0,9(;).(08,\&I/+9+\&0,(+;1+,(08,9\&E)))
G044\&0, ..8; E8; 5(+\&(/+\&)9+\&8:\&-99+992+, (\&:8; 6\&59\&5, *\&8:\&4+5;, 0, ?\&(8\&?)0*+\&28; +\&0, *010*)540M+*6\&(5;?+(+*\&40(+;5.<\&4)(+,5.<\&4)(+,5.<\&4)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.5)(+,2.
0, (+; 1+, (08, 91 \& N8.) 9 \& G044 \& H+\& 8, \& O+5*0, ?\& A82E; +/+, 908, \& 5, *\& P; 0(0, ?\& P)
O+9)4(9\&G044\&9/8G\&5,\&0,.;+59+\&0,\&40(+;5.<\&E;8:0.0+,..&528,?\&'E+.054\&F*).5(08,\&9()*+,(9\&59\&2+59);+*\&H<\&1.5(28,28)
FQ - @k*5(5kLJ/+kE+; .+, (5?+k8:k?; 5*+kKk5, *kRkk9()*+, (9k0*+, (0:0+*k59k/510, ?k9E+.054k+*).5(08, k, ++*9k5(k8; k)))
5H81+&(/+&E;810, .054&9(5, *5; *&S4+1+49&K&5, *&#T&0, &(/+&FQ - @&599+992+, (&:8;&;+5*0, ?&5, *&G;0(0, ?&G)44&0, .;+59+&
J/+&'E++./&V&>5,?)5?+&--A&(+52&G044&E:810*+&+*).5(8:9&G0(/&(;50.0,?&5,*&59909(5,.+&0,&(5048;0,?&
+10*+, ...*\$159+*\&40(+;5.<\&0,9(;).(08,\&9(;5(+?0+9\&:8;\&9()*+,(9\&G/8\&)9+\&5)?2+,(5(01+\&5,*\&54(+;,5(01+\&5,*\&54(+;,5(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&5,*\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+\&54(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+;5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,5)(+,5.(01+,
.822),0.5(08, &S - - ATL&C<&D),+&!"!%&S&20,02)2&8:&W%U&8:&(/+&+*).5(8;9&G/8&;+.+01+&(/09&9)EE8;(&G044&
;+E8;(&5.I)0;0, ?\(\delta\);+5(\(\delta\);+4, +G\(\delta\);+10\(\delta\);+..+\(\delta\);5.\(\delta\),0,0;).\((\delta\),\(\delta\);(5(+?<\(\delta(/\delta));/\(\delta(/\delta)\);845H8;5(08,6\)
+,5H40,?&(+2&(8&H+((+;&59909(&XAY 'C&9()*+,(9&G/8&;+4<&8,&--A&(8849&8;&8.8.2.2.),0.5(08,!!
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!  $Z90,?\&(/+\&-1.054\&F^*).5(08,\&(+5./+;9\&G044\&)9+\&5\&9<9(+20.6\&2)4(0\&2)8*54\&A3-\&5EE;85./\&(8\&.4890,?\&[5(/+2.054\&F^*).5(08,&(+5./+;9\&G044\&)9+\&5\&9<9(+20.6\&2)4(0\&2)8*54\&A3-\&5EE;85./\&(8\&.4890,?\&[5(/+2.054\&F^*).5(08,&(+5./+;9\&G044\&)9+\&5\&9<9(+20.6\&2)4(0\&2)8*54\&A3-\&5EE;85./\&(8\&.4890,?\&[5(/+2.054\&F^*).5(08,&(+5./+;9\&G044\&)9+\&5\&9<9(+20.6\&2)4(0\&2)8*54\&A3-\&5EE;85./\&(8\&.4890,?\&[5(/+2.054\&F^*).5(08,&(+5./+;9\&G044\&)9+\&5\&9<9(+20.6\&2)4(0\&2)8*54\&A3-\&5EE;85./\&(8\&.4890,?\&[5(/+2.054\&F^*).5(08,&(+5./+;9\&G044\&)9+\&5\&9<9(+20.6\&2)4(0\&2)8*54\&A3-\&5EE;85./\&(8\&.4890,?\&[5(/+2.054\&F^*).5(08,&(+5./+;9\&G044\&)9+\&5\&9<9(+20.6\&2)4(0\&2)8*54\&A3-\&5EE;85./\&(8\&.4890,?\&[5(/+2.054\&F^*).5(08,&(+5./+;9\&G044\&)9+\&5\&9<9(+20.6\&2)4(0\&2)8*54\&A3-\&5EE;85./\&(8\&.4890,?\&[5(/+2.054\&F^*).5(08,&(+5./+2.054\&F^$ 

 $\label{eq:control_co$ 

!

C<&D), +&!"!%6&a"U&8:&9()\*+,(9&G0(/&5&C['&95:+(<&E45,&G044&/51+&5(&4+59(&8,+&:),.(08,\$H59+\*&4+5;,0,?&8Hb+.(01+&(/5(&5\*\*;+99+9&(/+&),\*+;4<0,?&;+598,&:8;&(/+&;09B&8:&0,b);<&H+/5108);&S+L?L6&E/<90.54&5??;+9908, TL&3;8?;+99&(8&H+&2+59);+\*&(/;8)?/&(/+&5)\*0(&8:&0,\*010\*)540M+\*&H+/5108);&E45,9&5,\*]8;&cF3&?8549&9)EE8;(+\*&H<&C+/5108);&O+98);.+&'+;10.+9L!!

C<&D),+&!"!%6&-C-&'+;10.+9&G044&E048(&5,&+10\*+,.+\$H59+\*&92544&?;8)E&98.054\$+28(08,54&4+5;,0,?&E;8?;52&:8;&9()\*+,(9&5?+\*&a\$\_!&<+5;9&84\*&G0(/&98.054]H+/5108);54&\*0::0.)4(0+9&5.;899&5(&4+59(&:8);&+4+2+,(5;<&9./8849L&!!)!

 $\begin{array}{l} c \ , \& (/+\&+4+2+,(5;<\&E5,+4\&G+\&E:+;+*\&5\&/54:\$*5<\&0,\$9+;10.+\&EE8;()\,,0(<\&(8\&8,+\&F4+2+,(5;<\&^+E+.054\&F*)\,.5(08\,,\&^+E+.054\&F*)\,.5$