%0%*/%"+1'2,#"\$'0,\$#,""\$,'0,&#.1'*%0%&#)3'(+-%&!3%'

56 H&" '6 I *"+,-./0.112" #-J?/" (.//*"; J4" K.,,.-/" (BJ@*" LM,-N"; -,M*" K?//?"; 0,A.B*">\$ <& 6"<-0./B"5BPPO/.0M"; ?3?,BQP?/0"(0/@*")/A4*" '?R">?BJS.-"+JBT?A0" \$A0.B/" (0/@*"<?-S0?"B1" IBP?/"UB0?J2"B1" H-J.?00-E5BVV*"-/@">?BJS.-"5B-,.0.B/" (BJ" 9N?"+?B0,?W2" \$S?/@-*")/A4" X0N?" Y+,-./0.112Z[*" TB./0,M" R.0N" 0N?" 5BVV" 5BO/0M"

' B4"D!D4""

- !4 6/"; ?A?PV?J"!*"DGDF*" 0N?" 5B0J0" SJ-/0?@"+,-./0.112W" HB0.B/" 1BJ"

 +J?,.P./-JM")/TO/A0.B/"-/@"?/TB./?@"0N?".PQ,?P?/0-0.B/"B1"0N?"5BVV"5B0/0M"

 =ANBB,"7B-J@"P-Q"?/-A0?@"./"DGDD4"&5 ("'B4"D!D4")/".02"BJ@?J*"0N?"5B0J0"2?0"1BJ0N"-"

 J?P?@.-,"2AN?@0,?*"RN.AN".0"/B0?@"R-2"Y,-JS?,M"V-2?@"0QB/"QJBQB2-,2"]0N?"+-J0.?2^"

 P-@?"./"-"1.,./S"@-0?@"=?Q0?PV?J"!!*"DGDF4Z" 4"-0"FF"XA.0./S"&5 ("'B4"!_G[4"
- $D4 \qquad 9N?"+-J0.?2W"=?Q0?PV?J"QJBQB2-,2"J?S-J@./S"-"J?P?@.-,"2AN?@O,?"R?J?"V-2?@"B/"0N?"O/@?J20-/@./S"-0"0N?"0.P?"0N-0"; ?1?/@-/02"/??@?@"2.`"R??a2"QJ.BJ"0B"0N?"V?S.//./S"B1"0N?"-/0.A.Q-0?@"A-/@.@-0?"bO-,.1M./S"Q?J.B@"0B"QJBQ?J,M".PQ,?P?/0"-/M"J?P?@.-,"P-Q4"&5("'B4"!_G"-0"D4"7-2?@"B/"0N.2"0.P?,./?*"0N?"+-J0.?2"V?,.?3?@"0N-0".1"0N?"5B0J0"SJ-/0?@"+,-./0.112W"HB0.B/"1BJ"+J?,.P./-JM")/TO/A0.B/*"-/M"BJ@?J"-@BQ0./S"-"J?P?@.-,"P-Q"RBO,@"/??@"0B"V?".22O?@"/B",-0?J"0N-/"K-/O-JM"DD*"DGD\4"$
- F4 7 2?@"B/" /?R"./1BJP 0.B/"1JBP"0N?" = ?AJ?0-JM"B1" = 0-0?W2" 611.A?" /@"
 ; ?1?/@-/02W" 20V2?b0?/0" ./3?20.S-0.B/2*" ; ?1?/@-/02" -,?J0?@" +,-./0.112" -0"
 -QQJB`.P-0?,M"!DCGG"+4H4"B/"K-/O-JM"_*"DGD\"-/@"N?J?VM"20.QO,-0?"0N-0"-"J?P?@.-,"
 P-Q"A-/"V?"QJBQ?J,M".PQ,?P?/0?@"2B",B/S"-2".0".2"-@BQ0?@"VM"0N?"5BOJ0"/B",-0?J"0N-/"
 (?VJO-JM"c*"DGD\4"

 ${\rm J?\,P\,?@.-,"\,P\,-Q".1".0"ANBB2?2"0B"@B"2B4"}$

d4 9N?"

"

% ?2Q?A01O,,M"2OV P .00?@"0N.2"c0N"@-M"B1"K-/O-JM*"DGD*"

KB/">J??/V-OPg" &hJ-"; 4"%B2?/V?JSg"

KO,.?"H4"LB0ag"

=B1.-"(?J/-/@?h">B,@g"

L?-0N?J"=h.,-SM.g"

K-3B/"; -3.2g"

<\$ I : &%=\|"56HH)99&&"(6%""

5)U)<"%)>L9="8'; &%"<\$ I"

!dGG"#"=0J??0*"=0.0?"cGG"

I -2N./S0B/*"; 5"DGGGd"

XDGD["ffDE_fGG"

TSJ??/V-OP i ,-RM?J2ABPP.00??4BJS"

?JB2?/V?JS i ,-RM?J2ABP P.00??4BJS"

TNBOa i ,-RM?J2ABPP.00??4BJS""

21SB,@ i ,-RM?J2ABPP.00??4BJS"

N2h.,-SM. i ,-RM?J2ABPP.00?4BJS""

T@-3.2 i ,-RM?J2ABPP.00?4BJS"

7J-@,?M"&4"L?-J@"X>-4"7-J" 'B4"F\DDGc[" +.AN-M-"+BM" I ./.AN-aO,"X>-4"7-J" 'B4"D\f_d_[" H.AN-?,"9-1?,2a."X>-4"7-J" 'B4"dGjGGj[" =-VJ./-"=4"#N-/g" 5BOJ0/?M"6W;B//?,,"X>-4"7-J" 'B4"!f\jDG[" =689L&% '"+6U&%9:"<\$ I "5& '9&%"

: ?A-0OJ*">?BJS.-"FGGFG"

 $X\backslash G\backslash ["dD!EfjGG"]$

VJ-@,?M4N?-J@ i 2Q,A?/0?J4BJS"

QBM4R./.AN-aO, i 2Q,A?/0?J4BJS"

P.AN-?,40-1?,2a. i 2Q,A?/0?J4BJS"

2-VJ./-4aN-/ i 2Q,A?/0?J4BJS""

ABOJ0/?M4B@B//?,, i 2Q,A?/0?J4BJS""

1

```
K?11"<BQ?J1.@Bg" "
5NJ.20BQN?J"=N?/0B/g"
=689L&%'"56$<)9)6'"(6%"=65)$<"
K8=9)5&"
!\!d" I ?20"L.SNR-M"d\*"=0.0?"!G!"
; OJN-P*"'5"DjjGj"
Xc!c["FDFEFF_G"
T?11,BQ?J1.@B i 2A2T4BJS"
ANJ.22N?/0B/ i 2A2T4BJS"
"
%-NO,">-J-V-@O"X>-4"7-J"'B4"ddFjjj[""
5BJM")2--A2B/"X>-4"7-J"'B4"c_Fjcj[
```

"

5-J?/"&4"=NBJ0"X>-"7-J" 'B4"ccG\\F["
<&\$>8&"6("I6H&'"U69&%="
6("9L&"8')9&; "=9\$9&="
!DFF"DG0N"=0J??0" 'I*"=0.0?"dGG"
I-2N./S0B/*"; 5"DGGFf"
DGDEcD!EDD!c"
A2NBJ0 i,R34BJS"

; \$ ')&<" I 4" I L)9&"""""" L\$: ')&*"<)95L()&<; "k" I L)9&*"+5" >?BJS.-"7-J" ' B4"!dFGFF" DDD" I -2N./S0B/"\$3?/O?" H-J.?00-*"> "FGGfG"

 $XjjG["\DDE_cGG"$

@RN.0? i N,RE,-R4ABP"

+OJ2O-/0"0B" <BA-,"%O,?" j 4!*"0N?"O/@?J2.S/?@"ABO/2?,"N?J?VM"A?J0.1.?2"0N-0"
0N.2"@BAOP?/0"N-2"V??/"QJ?Q-J?@"R.0N"B/?"B1"0N?"1B/0"-/@"QB./0"2?,?A0.B/2"-QQJB3?@"
VM"0N?"5BOJ0"./"<BA-,"%O,?"d4!4""

; -0?@"0N.2"c0N"@-M"B1"K-/O-JM*"DGD\4""

=B1.-"(?J/-/@?h">B,@g"
<\$ I : &%=\"56HH)99&&"(6%""
5)U)<"%)>L9="8'; &%"<\$ I"
!dGG"#"=0J??0*"=0.0?"cGG"
I -2N./S0B/*"; 5"DGGGd"
XDGD["ffDE_fGG"

"

)"N?J?VM"A?J0.1M"0N-0"B/"K-/O-JM"c*"DGD*")"?,?A0JB/.A-,,M"1.,?@"0N?"1BJ?SB./S"