! "#$%&'()*)+(, -.(/ "#.(012(3044(%5($-.(6%7".$(81"%1(
#$%%!&'&&(!) *+,$-.!/0,+01,$-.!$+,!#23,$-.!4(''54(6'!

7,8$2,!9*:+!!!!!!!
@AA9!B4&&C!DE4"'FG!!!!!!!

;*:+0,<=23++0%%>0,?!
HII3;0!:*?21(!J?01,$-!"'5""K!
/0,+01,$-!"5&!

! "#$%&' ( )&$)*&+'

J:0!:31L*2-!*I!L:0!A*M3OL!N+3*+!31!$!1L*2-!*I!=20$L!;*+L2$1L1>!O+!H;L*P02!"Q"F.!8:0+!L:0!L1$231L!
2O=3R0!IO%%.!S?113$!P0;$R0!*+0!*I!L:0!R*1L!;:$*L3;!$+,!I$1L5;:$+=3+=!2OM*%?L3*+$2-!1*;3OL3O1!3+!
$%%!*I!:31L*2-K!P-!L:0!L3R0!L:0!NAAS!;*%%$T10,!3+!U0;0RP02!"QQ".!3L!8$1!$!1L$=+$+L.!P?2O$?;2$L3;!
2O=3R0!%0,!P-!$!;*22?TL!$+,!0+L2O+;:0,!0%3LO>!J:0!%0$,021!*I!L:0!A*M3OL!N+3*+!;%$3R0,!L:$L!L:0-!
:$,!%3P02$LO,!L:032!;*?+L2-!I2*R!;0+L?2301!*I!L1$231L!*TT20113*+.!P?L!L:0-!0+,0,!?T!?+%0$1:3+=!
R$11!2OT20113*+!$+,!1L$LO51T*+1*2O,!M3*%0+;0!*+!$!R$113MO!1;$%0>!J:0!A*M3OL!2O=3R0!;*?%,!;%$3R!
=20$L!1?;;01101V%3WO!L:0!,2$R$L3;!=2*8L:!*I!%3LO2$;-!$+,!L:0!%$?+;:!*I!L:0!I321L!R$+5R$,0!
1$LO%%3LO!3+!:31L*2-VP?L!3L!+0MO2!%3MO,!?T!L*!L:0!=2$+,!2:0L*23;!*I!3L1!%0$,021!$+,!P0;$R0!*+0!*I!
L:0!8*2%,X1!R*1L!2OT20113MO!1L$LO1>!

J:31!;*?210!83%%!0Y$R3+0!L:0!:31L*2-!*I!L:0!NAAS!I2*R!L:0!H;L*P02!SOM*%?L3*+!*I!"Q"F!?+L3%!L:0!
2O=3ROX1!1?,,0+!;*%%$T10!$L!L:0!0+,!*I!"QQ".!I*;?13+=!*+!L:0!;*?+L2-X1!1*;3$%!$+,!T*%3L3;$%!
:31L*2->!7MO2!13+;0!L:0!Z*%1:0M3W1!103[0,!T*802!3+!"Q"F.!1;:*%$21!:$MO!,0P$LO,!L:0!R0$+3+=!$+,!
L:0!%0=$;-!*I!L:0!H;L*P02!SOM*%?L3*+K!3+!0MO2-!TO23*,!*I!A*M3OL!:31L*2-.!L:0!;*?+L2-X1!%0$,021!
;%$3R0,!L*!P0!I*%%*83+=!L:0!L2?0!T$L:!*I!9*RR?+31R.!8:3%0!,0+*?+;3+=!L:032!23M$%1!D$+,!
1*R0L3R01!L:032!T20,0;011*21G!I*2!1L2$-3+=!I2*R!L:0!3,0$%1!*I!1*;3$%31R>!J:31!;%$11!83%%!0Y$R3+0!
:*8!L:0!+$L?2O!*I!A*M3OL!;*RR?+31R!8$1!20,0I3+0,!P-!0$;:!1?;;0113MO!=0+02$L3*+!$+,!83%%!100W!
L*!2O%$LO!0$;:!T$2L!*I!L:0!A*M3OL!0YTO23O+;0!L*!L:0!%$2=02!L2$\0;L*2-!*I!L:0!;*?+L2-X1!:31L*2->!/$1!
AL$%3+31R!$!,0T$2L?2O!I2*R!L:0!2OM*%?L3*+X1!*23=3+$%!3,0*%*=-.!*2!L:0!3+0M3L$P%0!201?%L!*I!"Q"F]!
/$1!L:0!^:2?1:;:0M!02$!$+!?+T20;0,0+LO,!%3P02$%3[$L3*+!*I!L:0!2O=3ROX1!T*%3;3O1.!*2!$+!$LLORTL!
L*!2OL?2+!L*!L:0!;*?+L2-X1!_0+3+31L!2**L1]!/0!83%%!+*L!*+%-!100W!L*!$+18O2!`?01L3*+1!%3WO!L:010.!
P?L!L*!0Y$R3+0!L:0!8$-1!L:$L!0MO2-,$-!;3L3[0+1!0YTO23O+;0,!9*RR?+31L!2?%0!$+,!L*!?+,021L$+,!
:*8!L:0!2OM*%?L3*+$2-!0+L:?13$1R!L:$L!$L!L3R01!,*R3+$LO,!L:0!;*?+L2-X1!T*%3L3;$%!,31;*?210!
?%L3R$LO%-!=$MO!8$-!L*!L:0!;-+3;31R!$+,!;*22?TL3*+!*I!L:0!NAASX1!I3+$%!,$-1>!

,&-$.*./'0"-1%'

J:31!;*?210!:$1!L:200!P2*$,!*P\0;L3MO1(!L*!:0%T!1L?,0+L1!?+,021L$+,!L:0!:31L*2-!*I!L:0!A*M3OL!
N+3*+.!L*!0+$P%0!L:0R!L*!;23L3;$%%-!20$,!P*L:!T23R$2-!,*;?R0+L1!$+,!10;*+,$2-!1*?2;01.!$+,!L*!
:0%T!L:0R!3RT2!Tf03!Z0M410;*&TA5$0+:RR?+31**2;0!Tf61!%;4>!%$?*$DC / TT21Tf0-2.3TD1-0.276-1.1431%'

0YT%$3+!:*8!L:0!A*M30L!N+3*+!8$1!1:$T0,!P-!3L1!S?113$+!:31L*23;$%!$+,!=0*=2$T:3;$%!;*+L0YL.!$+,!L:0!8$-1!3+!8:3;:!3L!8$1!$!R*,02+!T*%3L3;$%!1-1L0R!1:$T0,!P-!I*2;01!L:$L!L2$+1;0+,0,!+$L3*+$%!P*?+,$2301>!

Z-!L:0!0+,!*I!L:0!;*?210.!1L?,0+L1!83%%!:$M0!20I3+0,!L:032!$P3%3L-!L*(!

3+L02T20L!$!T23R$2-!1*?2;0!D:31L*23;$%!,*;?R0+LG!P-!$+$%-[3+=!3L1!1L2?;L?20.!$?,30+;0.!=*$%1.!$+,!P3$101K!

3,0+L3I-!$+,!;23L3`?0!L:0!$2=?R0+L!*I!$!10;*+,$2-!L0YL!D$!P**W!*2!$2L3;%0!P-!$!T2010+L5,$-!:31L*23$+G.!8:3%0!13L?$L3+=!L:$L!L0YL!83L:3+!$!%$2=02!:31L*23;$%!,0P$L0!*2!%3L02$L?20>!

Z-!L:0!0+,!*I!L:0!10R01L02.!1L?,0+L1!83%%!:$M0!3RT2*M0,!L:032!$P3%3L-!L*(!

;2$IL!$!;%0$2.!1T0;3I3;.!$+,!+?$+;0,!L:0131!1L$L0R0+L!3+!201T*+10!L*!$!:31L*23;$%!`?01L3*+K!;*+1L2?;L!$!80%%5*2=$+3[0,.!0M3,0+;0523;:.!$+,!;*:013M0!T$T02!3+!,0I0+10!*I!$!;0+L2$%!$2=?R0+LK!

^00T!L:010!=*$%1!3+!R3+,!L:2*?=:*?L!L:0!10R01L02>!J:0!;*+L0+L!=*$%1.!I*2!0Y$RT%0.!83%%!P0!?10I?%!$1!-*?!T20T$20!I*2!L:0!R3,5L02R!$+,!I3+$%!0Y$R1K!;%$11!,31;?113*+1!83%%!P0!P$10,!*+!L:0!$+$%-131!*I!T23R$2-!1*?2;01!$+,!10;*+,$2-!1*?2;01K!823L3+=!$113=+R0+L1!83%%!P0!=2$,0,!P$10,!*+!-*?2!$P3%3L-!L*!,0M0%*T!$!+?$+;0,!L:0131!$+,!L*!,0I0+,!L:$L!L:0131!3+!$!80%%5*2=$+3[0,!T$T02>!

!"#$%&'2&-3*./%'

J:0!I*%%*83+=!P**W1!$20!$%%!*+!1$%0!$L!L:0!;*%%0=0!P**W1L*20!$+,!*+!;*?210!20102M0!$L!L:0!%3P2$2-(!

B%0Y$+,02!A*%[:0+3L1-+.!

L3R0!L*!R00L>!0!83%%!R*1L!%3W0%-!;$+;0%!R-!20=?%$2!*II3;0!:*?21!$!;*?T%0!800W1!0$;:!10R01L02!
D1$-.!,?23+=!20=31L2$L3*+!800WG!$+,!3+1L0$,!*II02!R00L3+=1!P-!$TT*3+LR0+L!*+%->!Z?L!0!;$+!$%8$-1!
I3+,!L3R0!L*!R00L!83L:!-*?j!

AL?,0+L1!$20!80%;*R0!L*!R00L!83L:!R0!L*!,31;?11!$+-!`?01L3*+1!L:0-!R3=:L!:$M0!$P*?L!L:31!
;*?210.!L:0!1L?,-!*I!:31L*2-.!*2!*L:02!$;$,0R3;!311?01!$L!b23++0%%>!0I!-*?X20!:$M3+=!L2*?P%0!83L:!$!
823LL0+!$113=+R0+L.!0!T$2L3;?%$2%-!0+;*?2$=0!-*?!L*!;*R0(!0I!-*?!=0L!1L?;W!823L3+=!$!L:0131!
1L$L0R0+L!*2!;$+XL!I3=?20!*?L!8:$L!-*?!8$+L!L*!1$-!3+!$!T$T02.!3LX1!*IL0+!P0LL02!L*!R00L!83L:!
1*R0*+0!$P*?L!3L!L:$+!L*!L2-!L*!\?1L!T?1:!-*?210%I!L*!=0L!1*R0L:3+=!,*+0>!0XR!$%1*!:$TT-!L*!
,31;?11!;*?210!20$,3+=1!3+!R*20!,0L$3%.!L*!$+1802!`?01L3*+1.!L*!L$%W!$P*?L!L:0!:31L*2-!R$*2.!*2!L*!
,31;?11!$+-!$;$,0R3;!`?01L3*+1!L:$L!R3=:L!;*+;02+!-*?>!

7%%*/.8&.9%'-.3'0$-3*./'
i*?2!=2$,0!3+!L:31!;%$11!83%%!P0!P$10,!*+!L:0!I*%%*83+=!20`?320R0+L1>!k*L0!L:$L!-*?!R?1L!:$+,!3+!

L:$L!,$-.!3L!31!=0+02$%%-!+*L!T*113P%0!L*!=0L!$+!0YL0+13*+!*+!L:0R!D13+;0!L:31!8*?%,!=3M0!-*?!$+!
$,M$+L$=0!*+!L:0!T$T02!20%$L3M0!L*!-*?2!;%$11R$L01>G!0I!-*?!;$++*L!;*RT%0L0!*+0!*I!-*?2!1:*2L!
,*;?R0+L!$+$%-101!P-!L:0!,0$,%3+0.!0!83%%!=3M0!-*?!L:0!;:$+;0!L*!,*!$+!$+$%-131!*I!$!,*;?R0+L!
I2*R!%$L02!3+!L:0!10R01L02!3+1L0$,K!:*80M02.!3I!-*?!;:**10!L*!0Y02;310!L:31!*TL3*+.!-*?!83%%!+*L!
:$M0!L:0!;:$+;0!L*!=0L!$+!0YL0+13*+!*+!$!%$L02!T$T02!0Y;0TL!3+!L:0!;$10!*I!$+!0R02=0+;->!

<->&$'2&)*%*".'<"1*5='

J:31!;%$11!31!$!823L3+=53+L0+13M0!;*?210!L:$L!31!,013=+0,!+*L!*+%-!L*!L0$;:!1L?,0+L1!$P*?L!:31L*2-.!
P?L!L*!:0%T!L:0R!,0M0%*T!L:032!823L3+=!1W3%%1>!HM02!L:0!;*?210!*I!L:0!10R01L02.!L:0+.!-*?!83%%!:$M0!
L8*!*TT*2L?+3L301!L*!20M310!$!T$T02!L:$L!-*?XM0!$%20$,-!:$+,0,!3+!$+,!L*!201?PR3L!3L!I*2!205
=2$,3+=>!7M02-!1L?,0+L!3+!L:0!;%$11!83%%!P0!20`?320,!L*!:$+,!3+!$!10;*+,!M0213*+!*I!L:0!I321L!
823L3+=!$113=+R0+L!*I!L:0!10R01L02!DL:0!,*;?R0+L!$+$%-131!,?0!3+!A0TL0RP02GK!$IL02!I$%%!P20$W.!
$+-!1L?,0+L!8:*!8$+L1!L*!83%%!PO!$P%0!L*!:$+,!3+!$!20M310,!M0213*+!*I!L:032!65T$=0!T$T02!*2!L:032!
C5L*5m5T$=0!T$T02>!!0I!-*?!;:**10!L*!0Y02;310!L:31!*TL3*+.!-*?2!I3+$%!=2$,0!I*2!L:0!$113=+R0+L!83%%!
P0!L:0!$M02$=0!*I!-*?2!*23=3+$%!=2$,0!$+,!L:0!=2$,0!I*2!-*?2!20M310,!T$T02>!D0+!*L:02!8*2,1.!3I!
-*?!0$2+!$!Zp!*+!L:0!I321L!M0213*+!*I!$!T$T02!$+,!$+!B!*+!L:0!208 23L0.!-*?X%%!0$2+!$!I3+$%!=2$,0!*I!
B5>G!

0!20`?320!L:$L!1L?,0+L1!8:*!8$+L!L*!20M310!$!T$T02V+*L!;*?+L3+=!L:0!3+3L3$%!,*;?R0+L!$+$%-131V!
;*R0!1T0$W!L*!R0!0$2%-!*+!3+!L:0!20M313*+!T2*;011!L*!,31;?11!:*8!-*?!T%$+!L*!201T*+,!L*!R-!
I00,P$;W!*+!L:0!I321L!M0213*+!*I!-*?2!T$T02>!Da%0$10!;*R0!L*!L:31!R00L3+=!83L:!$!L0+L$L3M0!T%$+!I*2!
-*?2!20M313*+1!$+,!$!R$2W0,5?T!M0213*+!*I!-*?2!*23=3+$%!T$T02>G!

a%0$10!+*L0!$+*L:02!201*?2;0!?10I?%!L*!$%%!823L021!$L!L:0!9*%%0=0(!b23++0%%X1!/23L3+=.!S0$,3+=.!$+,!
AT0$W3+=!90+L02!1?TT*2L1!1L?,0+L1!8*2W3+=!*+!T$T021.!T2*\0;L1.!$+,!T2010+L$L3*+1.!$1!80%%!$1!
$TT%3;$L3*+1!I*2!3+L02+1:3T1.!IO%%*81:3T1.!$+,!=2$,?$L0!1;:**%>!0+!*+05*+5*+0!10113*+1.!1L?,0+L1!
8*2W!83L:!T2*I0113*+$%!3+1L2?;L*21!L*!3+L02T20L!20$,3+=1.!L$%W!L:2*?=:!3,0$1.!;:**10!$+,!
$+$%-[0!0M3,0+;0.!,0M0%*T!$+,!*2=$+3[0!$2=?R0+L1.!;2$IL!3+L2*,?;L3*+1!$+,!;*+;%?13*+1.!*2=$+3[0!
$+,!20M310!8:*%0!,2$IL1.!208 23L0!10+L0+;01!$+,!T$2$=2$T:1.!$+,!R*20>!0+1L2?;L*21!,*!+*L!T2**I20$,!
T$T021.!P?L!L:0-!;$+!L0$;:!-*?!:*8!L*!0,3L!-*?2!*8+!8*2W!0II0;L3M0%->!#*2!$!%3+W!L*!L:0!1;:0,?%0!
$+,!$TT*3+LR0+L!1-1L0R.!M313L!:LLT(qqR-8;*>;*Rq=23++0%%!*2!10$2;:!I*2!e/23L3+=!90+L02h!*+!
=23++0%%>0,?!*2!b23++0%%A:$20>!

?8>"$9-.9'."9&%'

)-!=*$%!31!L*!;20$L0!$1!3+;%?13M0!$!;%$112**R!$1!T*113P%0!$+,!L*!R00L!L:0!+00,1!*I!$%%!*I!R-!
1L?,0+L1>!!0!L:020I*20!0+;*?2$=0!1L?,0+L1!83L:!,*;?R0+L0,!,31$P3%3L301.!3+;%?,3+=!3+M313P%0!*2!+*+5
TT20+L!,31$P3%3L301!1?;:!$1!;:2*+3;!3%%+011.!%0$2+3+=!,31$P3%3L301.!$+,!T1-;:3$L23;!,31$P3%3L301.!L*!
,31;?11!20$1*+$P%0!$;*RR*,$L3*+1!83L:!R0>!i*?!83%%!$%1*!+00,!L*!:$M0!$!;*+M021$L3*+!$P*?L!
$+,!T2*M3,0!,*;?R0+L$L3*+!*I!-*?2!,31$P3%3L-!L*!L:0!9**2,3+$L*2!I*2!AL?,0+L!U31$P3%3L-!
S01*?2;01.!o$0!@321;:R$+.!8:*!31!%*;$L0,!3+!AL03+02!@$%%!DY4'mQG>!

0!83%%!$%1*.!*I!;*?210.!0Y;?10!$P10+;01!20%$L0,!L*!20%3=3*?1!*P102M$+;0!$+,!83%%!PO!I%0Y3P%0!83L:!
,0$,%3+01!L:$L!;*+I%3;L!83L:!$+-!20%3=3*?1!:*%3,$-1>!a%0$10!%0L!R0!W+*8!0$2%-!3+!L:0!10R01L02!3I!
-*?!0YT0;L!L*!R311!;%$11!P0;$?10!*I!$!20%3=3*?1!*P102M$+;0>!

6J!KL8MK(N3(/KDL0PQ6(DPL(D660QPRKP,6(

#23,$-.!B?=?1L!&C(! 0+L2*,?;L3*+!L*!L:0!9*?210!

S0$,3+=(! A:03%$!#3L[T$L23;W.! .!3+L2*!$+,!;:›!"!fM3%$P%0!*+%3+0V100!
%3+W!*+!a5/0Pg!

)*+,$-.!B?=?1L!&Q(! a20%?,0!L*!S0M*%?L3*+!

S0$,3+=(! H2%$+,*!#3=01.! .!;:›!"!fa3*+00280Pg!
A0R0+!^$+$L;:3W*M.! .!0Y;02TL1!fa3*+00280Pg!

/0,+01,$-.!B?=?1L!4"(! S0,!H;L*P02!

S0$,3+=(! #3L[T$L23;W.! .!;:›!&!
Z*231!^*%*+3L1W33.!eB+L35Z*?2=0*31!a2*T$=$+,$!$+,!B+L35Z?2[:?3!9*+1;3*?1+011!
3+!"Q"Fh!fA?+-g!
B%0Y$+,02!S$P3+*83L;:.!e@*8!L:0!Z*%1:0M3W1!/*+h!
f888›\$;*P3+R$=›;*Rq&'"Fq"'qP*%1:0M3W152?113$+520M*%?L3*+5*;L*P025%0+3+g!

#23,$-.!A0TL0RP02!&(! J:0!S0M*%?L3*+!3+!U*;?R0+L1!

B113=+R0+L(! .<0"4(<.(0(SF$%FSTEF90:.(0104'#"#(%5(N&2.&(P;<=.&(S(='(1%%1(
S0$,3+=(! T23R$2-!,*;?R0+L1!I2*R!L:0!A?+-!20$,02.!TT›!445nm!fP%$;W!0,3L3*+K!100!$P*M0g!
H2,02!k?RP02!"!fA?+-g!
^020+1W33X1!1L$L0R0+L!3+!L:0!A*M30L!*I!/*2W021X!U0T?L301!fA?+-g!
J1020L0%3X1!1T00;:!*+!20L?2+3+=!I2*R!A*M30L!0Y3%0!fA?+-g!
J:0!BT23%!J:0101!fA?+-g!
J1020L0%3!$+,!_0+3+X1!0Y;:$+=0!fA?+-g!
20T*2L!I2*R!^*M+*!b?P02+33$!fA?+-g!
_0+3+X1!%0LL02!L*!L:0!90+L2$%!9*RR3LL00!fA?+-g!

)*+,$-.!A0TL0RP02!6(! S0R0RP023+=!L:0!S0M*%?L3*+!

#3%R(! DA02=03!7310+1L03+.!,32›G!M3%$P%0!*+%3+0!$L(!
:LLT1(qqI*,›3+I*P$10›;*RqTrc308c3,0*›$1TY]YL3,s6F'CC!

/0,+01,$-.!A0TL0RP02!F(! 93M3%!/$2j!

S0$,3+=(! #3L[T$L23;W.!J:0! .!;:›!4!
e_0+3+X1!U0;200!*+!a0$;0h!fA?+-g!
eU0;200!*+!L:0!_$+,h!fA?+-g!
eU0;200!*+!A?TT20113*+!*I!@*1L3%0!k081T$T021h!fA?+-g!
eU0;%2L3*+!*I!L:0!S3=:L1!*I!L:0!a0*T%01!*I!S?113$h!fA?+-g!

F

#23,$-.!A0TL0RP02!Q(! J:0!) 3%3L$23[$L3*+!*I!L:0!A*M30L!AL$LO!

S0$,3+=(! e0?%33!) $2L*MX1!_0LLO2!L*!B›k›!AL03+h!fA?+-g!
e_0+3+X1!_0LLO2!L*! c›! c›!^?2$0M.!7›!Z›!Z*1:.!$+,!B›!7›!) 3+W3+h!fA?+-g!
_0M!J2*L1W33.!eS0T*2L!*+!L:0!S0,!B2R-h!fA?+-g!
B113=+R0+L(! **.<0"4(<.(0(&.7"#.2(7.&#"%1(%5('%;&(N&2.&(P;<=.&(S(0104'#"#(='(E+UU(VR(**

) *+,$-.!A0TL0RP02!"&(! S0M*%?L3*+!$+,!93M3%! / $2!3+!9*+L0YL!

S0$,3+=(! a0LO2!@*%`?31L.!et0+I*2R$L3*+!31!L:0!B%T:$!$+,!HR0=$!*I!H?2! / *2WX(!Z*%1:0M3W!
A?2MO3%%$+;0!3+!3L1!a$+57?2*T0$+!9*+L0YLh!fA?+-g!

/ 0,+01,$-.!A0TL0RP02!"n(! #$;L3*+5#3=:L3+=!$+,!L:0!S310!*I!L:0!U3;L$L*21:3T!

S0$,3+=(! #3L[T$L23;W.! .!;:›!n!
B%0W1$+,2$!^*%%*+L$3.!eJ:0! / *2WO21X!HTT*13L3*+h!fA?+-g!
S01*%?L3*+1!*I!L:0!J0+L:!9*+=2011!*I!L:0!S?113$+!9*RR?+31L!a$2L-!fA?+-g!
c›!0›!_0+3+.!e_0LLO2!L*!L:0!9*+=2011h!DI321L!T$2LG!fA?+-g!

#23,$-.!A0TL0RP02!"C(! S?113$+!A*;30L-!,?23+=!k7a!

S0$,3+=(! A:03%$!#3L[T$L23;W.!eJ:0!a2*P%0R!*I!9%$11!0,0+L3L-!3+!k7a!A*;30L-h!fa3*+00280Pg!
B%$+!Z$%%.!ea23M$L0!J2$,0!$+,!J2$,021!,?23+=!k7ah!fa3*+00280Pg!

) *+,$-.!A0TL0RP02!"Q(! J:0!9*+L2$,3;L3*+1!*I!k7a!

S0$,3+=(! 723;!k$3R$+.!eJ:0!9$10!*I!9:?P$2*M!B%%0-h!fa3*+00280Pg!
J:0!9*,0!*I!_$81!*+!) 223=0!$+,!U3M*2;0.!L:0!#$R3%-!$+,!b?$2,3$+1:3T!fA?+-g!
B113=+R0+L(! **.<0"4(<.(0(SF$%FSTEF90:.(0104'#"#(%5($-.(?%2.(%5(40>#(%1(<0&&"0:.(012($-.(**
50<"4'(@='(1%%1B(

/ 0,+01,$-.!A0TL0RP02!&"(! B+!HM02M308!*I!AL$%3+31R!

S0$,3+=(! #3L[T$L23;W.! .!;:›!65C!

#23,$-.!A0TL0RP02!&4(! 9*%%0;L3M3[$L3*+!$+,!U05^?%$W3[$L3*+!

S0$,3+=(! _-++0!c3*%$.! .!0Y;02TL1!fa3*+00280Pg!
AL$%3+.!eU3[[-!83L:!A?;;011h!fA?+-g!
_0M!^*T0%0M.!eJ:0!_$1L!b2$3+!9*%%0;L3*+1h!fA?+-g!

) *+,$-.!A0TL0RP02!&C(! J:0!AL$%3+!U3;L$L*21:3T!

S0$,3+=(! A3R*+!A0P$=!) *+L0I3*20.!

/ 0 , +01 , $ - .!A0TL0RP02!&m(! AL$%3+X1!a021*+$%3L-!9?%L!

S0$, 3+=(! o$+!a%$RT02.!

/ 0 , +01 , $ -.!H;L*P02!&C(! J : 0! / $2!$+ , !BIL02!

S0$, 3+=(! S*+$% , ! b 23=*2!A?+ -.! .!TT›!44C54C"!fa3*+002 8 0Pg!
A?+ -!20$, 02.!TT›!&mQ5&QF.!44C54n&(!

) *+,$-.!k*M0RP02!"n(! J:0!A*M3OL!#$R3%-!?+,02!^:2?1:;:0M!

S0$,3+=(! 7,8$2,!9*:+.!eA0Y!$+,!L:0!)$2230,!9*RR?+31L(!)$23L$%!0+I3,0%3L-.!#$R3%-!
J2*?P%01.!$+,!9*RR?+31L!a$2L-!U31;3T%3+0!3+!L:0!a*1L5 / $2!NAAS.!"Qn65
"QCnh!fa3*+00280Pg!
U0P*2$:!#30%,.!e0220;*+;3%$P%0!U3II020+;01(!U3M*2;0!$+,!9*+;0TL3*+1!*I!a23M$L0!
_3I0!3+!L:0!^:2?1:;:0M!72$h!fA?+-g!

/0,+01,$-.!k*M0RP02!"C(! ^:2?1:;:0MX1!9*%,!/$2!

S0$,3+=(! Z23=3,!HX^00II0.!eB!9*%,!/$2!9$10(!/:$L!@?%,$:!9%$2W!9$+!J0$;:!N1!BP*?L!
J0$;:3+=!A*M3OL!@31L*2-h!fa5 / 0Pg!
d?P*W.!;:$TL021!n56!f*+%3+0K!100!a5 / 0P!I*2!1?==01L3*+1g!

#23,$-.!k*M0RP02!"m(! J:0!AT$;0!S$;0!

S0$,3+=(! BR-!k0%1*+.!e9*%,!/$2!90%0P23L-!$+,!L:0!9*?2$=0*?1!9$+3+0!A;*?Lh!
fa3*+00280Pg!
A%M!b02*M3L;:.!eJ:0!@?R$+!0+13,0!$!a2*T$=$+,$!)$;:3+0(!J:0!a?P%3;!0R$=0!
$+,!a2*I0113*+$%!0,0+L3L-!*I!A*M3OL!9*1R*+$?L1h!fa3*+00280Pg!

)*+,$-.!k*M0RP02!&"(! J:0!Z20[:+0M!72$!

S0$,3+=(! S*+$%,!b23=*2!A?+-.! .!TT>!nnFunF6!fa3*+00280Pg!
o*:+!Z?1:+0%.!eJ:0!tk08!A*M3OL!)$+X!J?2+1!a0113R31Lh!fA?+-g!
o$R01!S>!)3%%$2.!eJ:0!_3LL%0!U0$%(!Z20[:+0MX1!9*+L23P?L3*+!L*!B;`?313L3M0!
A*;3$%31Rh!fA?+-g!

/0,+01,$-.!k*M0RP02!&4(! **1%(?40##(@,-01A#:"7"1:B(**

#23,$-.!k*M0RP02!&6(! **1%(?40##(@,-01A#:"7"1:B(**

)*+,$-.!k*M0RP02!&m(! U3110+L!3+!L:0!"QC'1!$+,!"QF'1!

S0$,3+=(! eJ23$%!*I!$!i*?+=!a*0L(!J:0!9$10!*I!o*10T:!Z2*,1W-h!fa3*+00280Pg!
eJ:0!9$10!*I!Z*231!^*;:?P3-0M1W-h!fA?+-g!
e_0LL02!I2*R!c%$,3R32!c-1*L1W33!L*!a0L2!U3R3;:0Mh!fA?+-g!

/0,+01,$-.!k*M0RP02!4'(! _3I0!?+,02!Z20[:+0M!

#3%R(! D7%,$2!S3$[$+*M.!,32>G!D$M$3%$P%0!*+%3+0G!

#23,$-.!U0;0RP02!&(! J:0!#3+$%!i0$21!*I!L:0!NAAS!

S0$,3+=(! S*+$%,!b23=*2!A?+-.! .!TT>!nFQ56"n!fa3*+00280Pg!
AL0T:0+!^*LW3+.! .!0Y;02TL1!fa3*+00280Pg!

"'"