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"#\$%&' (#)!*+!, &#) - .!/'012#3!
4 #3'#&)!5)26#&32'7!

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"#\$%&' !()*+!,!* *-!!

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8#-'0\'':&%2&#/#)!+&%);%23!<!1#9%! (*1#&)2':!=!9%\$*3' (*1#&)2':!

!

. &!(* / 0!

1 2345!678*9- -78*!

:3;<!=>235?!@ABCD34E?D3![FGABCD34HIC](#);-A2!!!!

!

>??@A5B/BC@/!D!EFCB?@A5B/BC@/!

B'!23' .#!3'01#)'G3!\$*)32H292'7!'*- .#- I!' .#!- *0&3#!\$&#&#J0232'#3!%) 1!%)'2&#J0232'#3K!

. ?JDGG!K; I!B2LD!D5EBD3!EBD!3DMI5G5EDG!<;3!EB5G!A; I3GD!;3!C35EED?!GNDA52J!ND3O5GG5;?!<3;O!
EBD!PDN23EOD?E!;<!"3D?AB!@EI45DG!E;!D?3;JJ!5?15EQ!K; I!O2K!RD!3DO;LD4!<3;O!EB5G!A; I3GD!
2?4!5E!C5JJ!RD!4DJDED4!<3;O!K; I3!3DA;34=!SB5G!4DA5G5;?!O2K! ?;E!RD!2NND2JD4=!T; I!C5JJ!
3DAD5LD! ?;!24UIGEOD?E!E;!K; I3!<DDG!5?!EBD!DLD?E!EB2E!K; I!23D!43;NND4!<3;O!2!A; I3GD!<;3!
<25J5?V!E;!B2LD!EBD!?DADGG23K!N3D3DMI5G5EDG=!

!

"#3-&2\$'2*)!#!*HL#-'2+3!10!-*0&3!

:23!JD!R525G!4D!A; I3G!O2V5GE32IWQ!4X2EDJ5D3G!D?!NDE5EG!V3; INDGQ!4D!JDAE!I3DG!ND3G; ??DJJDG!DE!
4D!4; AIOD?EG!2I45;9L5GIDJGQ!AD!A; I3G!ND3ODEE32!Y!JXZE!452?E,D!4X2AMIZ353!I?D!OD5JJD!I3D!

gD2?9 : 2IJ!@23E3DQ

Q! : 235GQ!+2JJ5O234Q!A; JJ=!^

t rEI4D!5JJIGE32E5LD!!
! ! !
@DO25?D!i!!! UV!L%)62#&&!!
t rEI4D!7! 1 2IN2GG2?EQ!`!bD! ' ;3J2!

]GI5ED^!

!
/'%'# (#)!*)!53#!*+!@9#-'&*)2-'!''#62-#3!!
\$JDAE3;?5A!4DL5ADG!C5JJ!?!;E!RD!2JJ;CD4!5?!AJ2GG,C;3FGB;NG!4I35?V!EDGEG,DW2O5?2E5;?G=!!
!
>*92-7!*)!E-%1#(2-!Q*)321#&%*2*)!+*&/'01#)!EH3#)-#3!\!5)1#&N%10%#/'01#)'3!
2)! ,2&3'!) '&7!>&*N% (3!!
[BEEN7.,CCC=IC;=A2,I?5LGDA,2A24DO5AvN;J5A5DG,35VBEGv3DGN;?G5R5J5E5DG=BEQJ!!](#)
!
?#J0#3'3!+*&!E-%1#(2-!Q*)321#&%*2*)!532)N!' .#!/#9+\?#\$*!EH3#)-#!
,*& (!!
@EI4D?EG!CB; !DWND35D?AD!2?!I?DWNDAED4!5JJ?DGG!;3!5?UI3K!;3!2?!DWED?I2E5?V!
A53AIOGE2?AD!j!ie!B;I3G!;3!JDGG^!EB2E!5G!I<<5A5D?EJK!GDL3D!E;!EDON;3235JK!3D?4D3!
EBDO!I?2RJD!E;!ODDE!2A24DO5A!3DMI53DOD?EG!JD=V=Q!2EED?45?V!JDAE!3DG!;3!J2RGQ!
C35E5?V!EDGEG!;3!O54ED3O!DW2OGQ!A;ONJDE5?V!2?4!GIRO5EE5?V!2GG5V?OD?EGQ!
N23E5A5N2E5?V!5?!N3DGD?E2E5;?G^!GB;IJ4!GDJ<94DAJ23D!IG5?V!EBD!;?J5?D!@DJ<9#DN;3ED4!
ORGD?AD!N;3E2J!SB5G!;NE5;?!GB;IJ4!RD!IGD4!5?!G5E!I2E5;?G!CBD3D!EBD!GEI4D?E!DWNDAEG!
E;!3DGIOD!2A24DO5A!3DGN;?G5R5J5E5DG!C5EB5?!ie!B;I3G!;3!JDGG=!!
SBD!<;JJ;C5?V!A;?45E5;?G!23D!5?!N!J2AD!<;3!GDJ<93DN;3E5?V!;<!OD45A2J!;3!DWED?I2E5?V!
A53AIOGE2?ADG7!!
2^ GEI4D?EG!C5JJ!RD!2JJ;CD4!%! (%]2(0(!*+!' ^*!3#9+\&#\$*!%H3#)-#3!
RDECDD?!@DNEDORD3!2?4!ON35J!2?4!;?D!GDJ<93DN;3ED4!2RGD?AD!RDECDD?! 1 2K!
2?4!O IVIGEq!!
R^ 2?K!2RGD?ADG!5?!DWADGG!;<!EBD!?IORD3!4DG5V?2ED4!5?!AJ2IGD!2!2R;LDQ!
3DV234JDGG!;<!4I32E5;?Q!C5JJ!3DMI53D!GEI4D?EG!E;!N3DGD?E!2!@EI4D?E! 1 D45A2J!
&D3E5<5A2ED!J@ 1 &^Q!G5V?D4!RK!2!J5AD?GD4!OD45A2J!;3!OD?E2J!BD2JEB!
N32AE5E5;?D3Q!4DE25J5?V!EBD!4I32E5;?!2?4!GDL35EK!;<!5JJ?DGGQ!;3!2NN3;N352ED!
4;AIOD?E2E5;?!GINN;3E5?V!DWED?I2E5?V!A53AIOGE2?ADG!E;!EBD!O A24DO5A!
&;I?GDJJ5?V!I?5E!5?!EBD53!"2AIJEK!;<!3DV5GE32E5;?!?;!J2ED3!EB2?!EC;!RIG5?DGG!
42KG!2<ED3!EBD!42ED!GNDA5<5D4!<;3!3DGI O5?V!3DGN;?G5R5J5E5DG=! : JD2GD!GDD!
GDAE5;?!i!RDJ;C!<;3!O;3D!4DE25JG=!!
A^ SBD!4I32E5;?!;<!EBD!DWAIGD4!2RGD?AD!C5JJ!RD!<;3!2!O2W5OIO!;<!ie!B;I3G!

A; I3GD=!!
B^ GEI4D?EG!OIGE!RD!5?E; IAB!C5EB!EBD53!5?GE3IAE;3G!)*!9%'#&!'.%)!UT!.*0&3!

EBD!2RGD?AD=!!

V^ _?!A2GDG!CBD3D!2!GEI4D?E!O2K!RD!DWND35D?A5?V!J; ?V9ED3O!; 3!3DAI335?V!
2RGD?ADGQ!GEI4D?EG!GB; IJ4!A; ?GIJE!EBD53!O A24DO5A!&; I ?GDJJ; 3G!<; 3!24L5AD!
2R; IE!CB5AB!; <!EBD!; NE5; ?G!2L25J2RJD!E; !EBDO!]2A24DO5A!A; ?G54D32E5; ?Q!
NI3GI5?V!O A24DO5A!O AA; OO; 42E5; ?Q!C5EB432C2J!<3; O!EBD!A; I3GD^!23D!
O; GE!2NN3; N352ED=!!

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O!4; C?J; 242RJD!@EI4D?E! 1 D45A2J!&D3E5<5A2ED!A2?!RD!<; I ?4!BD3D7!

[BEEN7,,CCC=IC;=A2,I?5LGDA,2A24DO5AvN;J5A5DG,35VBEGv3DGN;?G5R5J5E5DG=BEQJ!!](#)

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?#J0#3'!+*!E-%1# (2-!Q*)321#&% '2*)!+*!%!F*)\ [#12-%9!EH3#) -#!

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@EI4D?EG!GDDF5?V!2A24DO5A!A; ?G54D32E5; ?!<; 3!2!?!; ?9OD45A2J!2RGD?AD!C5JJ!RD!
3DMI53D4!E; !N3; L54D!2NN3; N352ED!4; AIOD?E2E5; ?!CBD3D!EBD!A; ?45E5; ?G!<; 3!2!@DJ<9
#DN; 3ED4! O RGD?AD!B2LD!?!; E!RDD?!ODEQ!5?AJI45?V!CBD3D!EBD!GEI4D?E!B2G!DWADD4D4!
EBD!O2W5O IO!?! IORD3!; <!ND3O5GG5RJD!@DJ<9#DN; 3ED4! O RGD?ADG=!

@AB;J2GE5A!;<<D?ADG!23D!E2FD?!GD35;IGJK!2?4!GEI4D?EG!23D!453DAED4!E;!3D24!EBD!
2NN3;N352ED!N;J5AKQ!GNDA5<5A2JJKQ!EBD!4D<5?5E5;?!;<!CB2E!A;?GE5E!EDG!2!GAB;J2GE5A!
;<<D?AD!5?!EBD!O A24DO5A! : ;J5A5DG!2L25J2RJD!;?!EBD! . ?5LD3G5EK!@DA3DE2352E!CDRG5ED7!
Jy . ?4D3V324I2ED!@E I4D?EG!9!@AB;J2GE5A!P5GA5NJ5?DzQ!

[BEENG7,,CCC=IC;=A2,I?5LGDA,2A24DO5AvN;J5A5DG,35VBEGv3DGN;?G5R5J5E5DG=BEOJ^!](#)
!

!>*92-7!*)!E''#) 1%) -#!

yO ?K!GEI4D?E!CB;Q!5?!EBD!;N5?5;?!;<!EBD!5?GE3IAE;3Q!5G!2RGD?E!E; ;!<3DMID?EJK!<3;O!
AJ2GG!;3!J2R;32E;3K!ND35;4G!5?!2?K!A;I3GDQ!C5JJ!RD!3DN;3ED4!E;!EBD!PD2?!;<!EBD!
"2AIJEK!;<<D35?V!EBD!A;I3GD!J2<ED3!4ID!C23?5?V!B2G!RDD?!V5LD?^!w?!EBD!
3DA;OOD?42E5;?!;<!EBD!4DN23EOD?E!A;?AD3?D4Q!2?4!C5EB!EBD!ND3O5GG5;?!;<!EBD!
PD2?!;<!EB2E!"2AIJEKQ!EBD!GEI4D?E!C5JJ!RD!4DR233D4!<3;O!E2F5?V!EBD!3DVIJ23!
DW2O5?2E5;?15?!EBD!A;I3GD=!SBD!PD2?!;<!EBD!"2AIJEK!;<<D35?V!EBD!A;I3GD!C5JJ!
A;OOI?5A2ED!EB2E!4DA5G5;?!E;!EBD!PD2?!;<!EBD!"2AIJEK!;<!#DV5GE32E5;?=z!
JyO EED?42?AD!#DVIJ2E5;?G!<;3!\$W2O5?2E5;?GzQ!

[BEEN7,,CCC=IC;=A2,I?5LGDA,2A24DO5AvN;J5A5DG,DW2O5?2E5;?G=BEOJ^!](#)

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B (\$*&'%) '!E-%1# (2-!B)+*& (%'2*)!+*&/'01#)'3!C%I2)N!Q*0&3#3!2)!'.#!''#%&' (#)'
*+!,&#)-.!'012#3!

[BEEN7,,CCC=IC;=A2.<3D?AB,I?4D3V324I2ED,A;I?GDJJ5?V,2A24DO5Av5?<;3O2E5;?.5?4D
W=BEOJ!](#)

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