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!'"#\$%&'()*\$+&'",\$(-).)/\$0(1)0+&' /\$23)\$%4.35678.80(10')(.58.80('9(*):&'56
;"1"<\$0(10)!%.(7(.57(5&>.57)%3?)(.5&@\$*)\$6&>.5)%'?)7&

A/09,B90"AC"D)00"
(8 ED"F9G"FFH"
!IJ\$!"K/0"L9* : 90"%M+C)"(,+C"N\$\$"
0*M20+>" ' %"J#I\$N"
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V1)00W6 : ,1e9G</ : "

A\$7(.5&'()*\$+&'",\$(-).)/\$0(1)0+&' /\$23)\$%4.35678.80(10')(.58.80('9(*):&'56&



##\$%&'()*+,-./01203"4"5267"89093+ : +0," ' /0;+*+0<+ "
. /02,9" (= *2036" ? @ / *219"

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</06,*><,2/0"*+@9,+1"</0,*9<,6>"32M+6"6=+<2;2<"+_9 : =@+6"/;"B+9M2@-"0+3/,29,+1"FXF"
=*/M262/06>"901"+_=@/*+6",B+2*")=*/+>"901"V)6,2;2<9,2/0C""

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901" ' /06+06)6"DX ' (a " ; /* : 6"] / , B " 2 0 < @) 1 + " F X F " = * / M 2 6 2 / 0 6 " 2 0 " , B + ; /* : " / ; " :) , 9 @ "
G92M+*6"/ ; "</06+[]+0,29@"19 : 93+6"P ' X i (f i (e (" D X ' (a "#\$\$\$>"(+<,2/0"\C\j"
%0% a "%#\$!>"(+<,2/0"!NC!C\Rc"%@6/>"@27+" : /6,"</06,*><,2/0"</0,*9<,6>"@2[]219,+1"
19 : 93+6"9*+"6)33+6,+1";/* / G 0 + * " 1 9 : 9 3 + 6 ; /* " 1 + @ 9 - C ""

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@2 : 2,"@29]2@2,-"/0"0) : +*/)6"<9,+3/*2+6"/ ; / , B + * G 2 6 + * * + < / M + * 9] @ + " 1 9 : 9 3 + 6 C " f M + 0 "
G2,B /) , "</0,*9<,)9@="*/M262/06",B+*+"9*+"@2 : 2,6,"/*+</M+*9]@+"19 : 93+6")],",B+6+"
@2 : 2,6"9*+"6)] V + < , " , / " < / : = @ + _ " 9 0 1 " 2 0 < / 0 6 2 6 , + 0 , @ - " 9 = = @ 2 + 1 " @ + 3 9 @ " 1 / < , * 2 0 + 6 " 6) < B " 9 6 > "
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FC" . *)0+*"4"H9,*2<7"AC"Xd' /00/*>"A^C" . *)0+*"4"Xd' /00/*/"0' /06,*><,2/0"FGG"
kk!J^N"PY+6,"H)] @ C " # \$! # " f 1 C " 2 0 < @ C " # \$ # \$ " () = = @ C R " P B + * + 9 ; , + * > " b . *)0+*"4"Xd' /00/*"
X' F"klcRR"901"b; /*+6++9]2@2,-c"</0<+*0203"]*+9<B"/ ; "</0,*9<,"19 : 93+6"P(+>)"\
. *)0+*"4"Xd' /00/*"X' F"K!J^!NR>"96"G+@@"96"*+@9,+1"1/<,*20+6"1+M+@/=+1",B*/)3B"
<96+@9Gc"(+>)+(3C"\ . *)0+*"4"Xd' /00/*"X' F"kk!J^\

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##%&'(")*+,-./01203"4"5267"89093+:+0,"'/0;+*+0<+ "
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!%.=7(.5&	;\$7?%(#)(.5&.8&0 2 0&@\$73*)&
H9-"0;"m" Y B+0"H921"	F2 : 2,6"029]202,-"/;*20,+*+6,"P=9-TGB+0T=921R"/* +<_)6+6"029]202,-"20"+M+0,"/;" /GO+*"0/OT=9- : +0,"
f_<@)62M+*" : +1 - ""	F2 : 2,6"029]202,-"/;*M9*2/)6"19 : 93+6"901"02 : 2,6",B+ *+ : +1 - "9M9209]@+"P2C+C"*=+92"/**+=@9<+ : +0,>"/* 9M9209]@+"206)*90<+R"
?/*<+" 8 9V+)*+"	F2 : 2,6"</0,*9<,)90"029]202,-"/;*="+*;/ * : 90<+"GB+0" <+*,920"</012,2/06"1+M+@/=
E+* : 209,2/0"/;* ' /OM+02+0<+"	X;,+0"02 : 2,6"*+</M+* - "/;<+*,920"19 : 93+6"P+(3C>"@/6," =* /;2,6R""
D26<092 : +*6""	F2 : 2,6"029]202,-"/;*<+*,920"<2*<) : 6,90<+6"P2C+C" 126<092 : +*"/;2 : =02+1"G9**90,2+6"/**;* / : "900"029]202,-" 96"9"</012,2/0"/;)6+"m"6+*M2<+R"
Y 92M+*6"/;" ()]*/39,2/0" m" ' /0,* /@+1"006)*90<+"	F2 : 2,6"*+</M+* - "/;*+6=/062]@+"=9*,2+6"9;,+* 206)*+*6"</M+*"9"0/66"
P006);;2<+0,R" F2[]219,+1"D9 : 93+6"	X;,+0"02 : 2,6",B+"029]202,-"/;"9"=9*,-"/;*1+09-"19 : 93+6" ,/ "90"9 : /)0," - =2<900 - "0+66",B90"9<,)90"1+09-"19 : 93+6"
F2[]219,+1"D9 : 93+6" ' 9=6"	F2 : 2,6",B+"029]202,-"/;"9"=9*,-"/;*1+09-"19 : 93+6"/"9" : 9_2 :) : "9 : /)0,")6)900 - "0+66",B90"9<,)90"19 : 93+6"
F2 : 2,9,2/06"/;"F29]202,-" 901"D9 : 93+6"F2 : 2,6""	F2 : 2,6"029]202,-"/;"9"=9*,-"/"9" : 9_2 :) : "1/009*" 9 : /)0,>*+39*10+66"/;"09*3+*"19 : 93+6"20<)*+1"

0,"26"0/," ,B+20,+0,"/;" ,B26"=9=+*,"/ "911*+66"+9<B"/;" ,B+ : 90-"FXF"=* /M262/06"9,"
@+03,B>"96"6+M+*90"6<B/@0*0 - "G/*76"911*+66",B+ : -*291"/;"6)<B"=* /M262/06"20" : /*+
1+,920">20<@) 1203" : 90-"/;" ,B/6+",B9,"B9M+1+M+@/=+1",B+2*"/GO"126,20<,"] /1 -"/;"
@9G0"/!"\$&"("9533-"\" . *)0+*" 4"Xd' /00/*"X' F"kk!J^N#"g"!J^ISC""006,+91>,"B26"
=9=+*"G200"/;<)6"/0"9";+G"B+9M20 - "0+3/,29,+1"FXF"=* /M262/06"901"> : /*+
=9*,2<)9*0->"6,9,) ,+6"901"<96+@9G",B9,"6+,*+6,*2<,2/06"/," ,B+2*+0;/ *<+ : +0,C""

4B >. 1 1 .5&KL" 1 #*\$7&.8&M\$"=(* :&J\$<.)(")\$6&0 2 0&!%.=7(.57&

00"6,9,+6"GB+*+",B+-"9*+0"/,"=* /B2]2,+1"/**+6,*2<,+1"P6++"6+<,2/O"000"]+@/GR>
B+9M20 - "0+3/,29,+1"FXF"=* /M262/06" : 9- "20<@) 1+"201+ : 02,->1/009*02 : 2,6"/*
206)*90<+"]96+1"02 : 2,6"P20<@) 1203"02[]219,+1"19 : 93+6"02 : 2,6R>"901"G92M+*6"/;"
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#####%&' (") *+, - " . /01203"4"5267" 8 9093+ : +0," ' /0;+*+0<+ "
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YB+*+,*+,"/1/"6/"901"GB+*+"]9*3920203"=/G+*9@/G6>]* /91"201+ : 02, -
=*/M262/06"9*+ / ;,+0"0+3 / ,29,+1"20, / "</0,*9<,6C"b001+ : 02, -c"26"1+;20+1"96";/@@/G6^"

001+ : 02, - "26"9"</0,*9<,"] - "GB2<B"/0+" +0393+6", / "69M+"90/ ,B+*"
;* / : "9"@+39@</06+[)+0<+ "/ ;",B+ "</01)<," / ;"/0+ "/ ;",B+ ="9*,2+6" / *"
/ ;"6/ : + "/ ,B+* =" +*6/0C"

i CDc" ' +0,C" ' / 1+>"k"##T\$#T\$!j"! ""\$53;6>" ' 9@C" ' 2M0" ' / 1+"#II#j" 8 /0,C" ' / 1+"%00C"
#UT!!TSS!C""E"/,B++"_ ,+0,"201+ : 02, - "6++76", / "69M+",B+ "</0,*9<,+ +m"201+ : 02,++
;* / : ",B+ "@+39@</06+[)+0<+6" / ;",B+ "</0,*9<,+ +d6"m"201+ : 02,++d6"/GO"</01)<,>2,"26"
90"+_<)@=9, / * - " =*/M262/0"P/*"FXF" =*/M262/ORC"EB+"1+3*+ "/ ;"+_<)@=9,2/0"B96"@+1"
6/ : + "</)*,6", / "1+6<*2] +",B+6+ " =*/M262/06"96"b, - =+"0>c"b, - =+"00>c" / *"b, - =+"000c"
201+ : 02, - " =*/M262/06">"+_ =@920+1"96";/@@/G6^"

%) : # \$ k - N (56 \$ 1 5) : 0 " 93 * + + : + 0 , " = * / M21 + 6 " n " 0 + _ = * + 66 @ - " 901 "

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##%&'()*+,-./01203"4"5267"8 9093+ : +0," ' /0;+*+0<+"
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##\$%&'()*+,-./01203"4"5267"89093+ : +0," ' /0;+*+0<+"
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I"

+9<B"/,B+*";/*"90-"/06+[])+0,29@"19 : 93+6",B9," : 9-"9*26+("/),"/;"
/*"+@9,+,"/,"B26"%3*++ : +0,>+<+=",/*",B/6+"6=+<2;2<"2,+ : 6"/;"
19 : 93+6"+_<@)1+1";*/ : ",B26"G92M+*"96" :),)9@@-"93*++1")=/0"]-"

##%&'(")*+,-./01203"4"5267"8 9093+ : +0,"' /0;+*+0<+"
. /02,9" (=2036">?@/*219"

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YB+0"1*9;,203",B+"G92M+*"<9*+;)@@-"</0621+*",B+,-=" / ;"

##%&' "()*+,-. /01203"4"5267"8 9093+ : +0," ' /0;+*+0<+"
. /02,9" (=2036">?@/*219"

J"

%6"+,; /*,B"9]/M+>"20"%@9679>"B+"*+6,*2<,2/06"6,+ : : 203";*/ : "90"201+ : 02,-"6,9,),"+"
G+*+"20,+*="+,+1",/"9==@-" : /*+"]*/91@-"B90",/"201+ : 02,-"=*/M262/06>"]),"*9,B+*

##%&' "()*+,-" . /01203"4 "5267" 8 9093+ : +0," ' /0;+*+0<+"
. /02,9" (=2036">?@/*219"

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</0,*9<,)9@966) : =,2/0"/;"*267"26"9"[]+6,2/0"/;"9<,"; /*9"V)*->"0/,"9"V)13+c" B<"34;\$
?%\$K+9"=+9)\$J51"G5-#\$(I%>#!\$"%*2`C"QSS>!!!!"HCS1"!!SS>!"\$!\$P#\$\$NRC""

' 9@2; /*029"26"=+*B9=6" : /6,"=* /@2;2<20"09<,203"6,9,) ,+6"*+3)@9,203",B+ "</06,*)<,2/0"
201)6,*->"B9M203"6,9,) ,/* -"6<B+ : +6"; /*@2<+06203" /;"</0,*9<, /*6> ",B+2*"126<2=@20+>"
901"*+6,*2<,2/06"/0"<+*,920",+* : 6"; /*"=+*6/06"</0,*9<,203"G2,B"@2<+06+1"</0,*9<, /*6"
P ' 9@C" .)6C" 4"H* /;"C" ' /1+"kI\$\$\$\$"+,"6+[CR>] / ,B=)]@2<"901"=*2M9,+</0,*9<,203"P ' 9@C"
' 2M2@" ' /1+"kU\$\$\$\$"+,"6+[CR>901"6=+<2;2<9@@" - "*" +@9,+1", /"=)]@2<"</0,*9<,203")01+*,B+ "
' 9@2; /*029"H)]@2<" ' /0,*9<,203" ' /1+C"? /*"+_9 : =@+>" ' 9@2; /*029"B96",B+"; @@/G203"
6,9,) ,/* -"*+6,*2<,2/06^"

' 9@C"H)]C" ' /0,C" ' /1+"k! !\$Q"P; /*]211203"@ /<9@=)]@2<"93+0<2+6"
; * / : ",*906; +**203"*267" /;"1+6230"+**/*6"/ * / : 2662/06"/,"B+ "
</0,*9<, /*>" +_<+=",20"<@+9*@" - : 9*7+1"1+6230T])2@1"=* /V+<,6Rj"

' 9@C"H)]C" ' /0,C" ' /1+"kI! \$#P0/"19 : 93+"; /*"1+@9 - "<@9)6+6"20"
=*2 : +"901"6)]</0,*9<,6"1++ : +1"2@@"+39@96"9" : 9,,"+*"/;"=)]@2<"
=@2<-"/0"=)]@2<"2 : =*/M+ : +0,"</0,*9<,6"; /*"9*+96"]+@/G"; /) *PQR"
; +,Rj"

' 9@C"H)]C" ' /0,C" ' /1+"kI! \$Q"P : 9019,203", -="+0"901", -="+00"
12;; +*203"62,+</012,2/06>"901"+0M2*/0 : +0,9@@" -"B9`9*1/)6"62,+ "
</012,2/06"=* /M262/06"20, /"=)]@2<"</0,*9<,6Rj"

' 9@C" ' 2MC" ' /1+"k#IU#P : 97203"M/21"901")0+0; /*<+9]@+ "
201+ : 02, -"=* /M262/06"20"</06,*)<,2/0"</0,*9<,6",B9,"6B2;,"*267"; /*"
6/@+"0+3@23+0<+/"*G2@@")@ : 26</01) <,">"901"M/21",B+ "69 : +"G2,B"
+6=+<," /"9<,2M+0+3@23+0<+"267"6B2; ,203"9; ,+*"#\$!Sj"=* /M21+1>"
B/G+M+> ",B+*+"9*+<+*,920"+_<+=",2/06"96"9@@" /G+1"20"<+*,920"/ ,B+* "
' 2M2@" ' /1+"6+<,2/06RC""

00,+*+6,203@->"G2,B20",B+"201+ : 02, -"6+<,2/0"/;" ,B+ " 9@2; /*029" ' 2M2@" ' /1+> ",B+*+"26"9"
9@6/"9"6=+<2;2<=* /M262/0"+**/ I\$'#"FXF"=* /M262/06C" ' 9@C" ' 2MC" ' /1+"k#IU#CNC"
' 9@2; /*029" ' 2M2@" ' /1+" (+<,2/0"#IU#CN"=* /M21+6^"

k#IU#CN""%@@ /<9,2/0"/ *"@2 : 2,9,2/0"/;"@29]2@2, - "
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i / ,B203"</0,920+1"20" (+<,2/0"#IU#"6B9@@"=*+M+0,"9"=9*,-,"/"9"
</06,*)<,2/0"</0,*9<,"901",B+ "/G0+*"/ * / ,B+*="9*,-"; /*"GB/6+ "
9<< /)0",B+ "</06,*)<,2/0"</0,*9<,"26"]+203"=+*; /* : +1"; * / : "
0+3 / ,29,203"901"+_ =*+66@ - "93*++203"G2,B"*+6=+<," /,"B+ "
9@@" /<9,2/0" *+@+96+>@"@2 []219,2/0"+_<@) 62/0">"/ *"@2 : 2,9,2/0"96"
] +,G++0",B+ "9* ,2+6"/;"90 -"@29]2@2, -"P9R"; /*"1+6230"1+; +<,6"/ *P]R"
/;" ,B+ "=* / : 26+," /," ,B+ "=* / : 26/*"9*26203"/) ,"/;" /*" *+@9,203"/," ,B+ "
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%@,B/)3B" ' 9@C" ' 2MC" ' /1+"k#IU#CN"26"]*/91@-"G*2,+,+0>,B+" A 59I=6962&<\$/>)*,"9@6/"
*+</0<2@+1",B26"6,9,),"G2,B",B+"201+ : 02,-"6,9,),">"</0<@)1203^"

?2*6,>,B+"90,2T201+ : 02,-"6,9,),">"6+<,2/0"#IU#"G96"20,+01+1",/"
<B903+",B+"@9G",/"=* /B2]2,"/0+"=9*,-,"/9"</06,*>)<,2/0"</0,*9<,"
;*/ : "9M/21203"@29]2@2,-,"/,"B2*1"=9*,2+6"]+<9)6+";2,6"6/@+"
0+3@23+0<+"] - ;/*<203",B+/",B+*"=9*,-,"/,"B+ "</0,*9<,"/="*/M21+"

##%&'(")*+,-. /01203"4"5267" 8 9093+ : +0," ' /0;+*+0<+"
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X),</ : +6";/*126=),+6"20",B+</0,*9<,203"201)6,*- "g"</0626,+0,"G2,B"2,6"09 : +"g"9*+ "
: /6,@- "</0,*/@+1",B*/)3B",B+"@9G"/; "</0,*9<,6""00"9"]*/91"@+39@6+06+>": /6,"/;" ,B+ "
,2 : +>"</0,*9<,"@9G"*+ : +12+6"901"</0,*9<,"19 : 93+",B+/*2+6"9*+"9==@2<9]@+C"0,"26" "
[]2,+</ : : /0>"B/G+M+*>";/*"9"=@920,2;,"/"966+*,",/*,"<@92 : 6"20"9112,2/0"/"//* "
9@,+*09,2M+@-,"/</0,*9<,"<@92 : 6"939206,"9"</06,*>)<2/0"201)6,*- "1+;+0190,C"FXF" "
=*/M262/06"9*+";,+0"90"266)+9," ,B26"20,+*6+<,2/0"/;"/,*,"901"</0,*9<,"@9G"" "

' /) *,6"B9M+6,*)33@+1"G2,B",B26"20,+*6+<,2/0C""X0+9),B/*"0/,+1^

YB+*+6,9,+@9G"26"62@+0,>"3+0+*9@@"-2,"26"@+;," ,/" ,B+"6,9,+@6"</)*,6" "
,/"1+,* : 20+",B+>0; /*<+9]2@2,-"/;"90"+_<)@=9,/*-<@9)6+C" "
EB+*+; /*+>+9<B"6,9,+@6"B23B+6,</)*, :)6,"1+;20+",B+"9==*/=*29,+ "
]9@90<+"]+,G++0",B+,*+1 / : ",/</0,*9<,"901",B+=)]@2<="/@2<- "
</0<+*06"20M/@M+1"20"+_<)@=9,203"/,*,"@29]2@2,-C"%6"G2,B" : 90- "
</ : : /0"@9G")@+6"6,9,+</)*,6"<*+9,+</ : =@2<9,+1"126,20<,2/06" "
901"<9M+9,6"/M+*,"2 : +>"GB2<B"@/G+*</)*,6" :)6,"B+0"9,+ : =," / "
*+</0<2@+C"

E+00+66++"26"0"/+_<+>,2/0>"901",B26"9*+9"/; ,B+"@9G"26"M93)+ "901" "
,*/)@+1"G2,B"</0;)62/0C"?/*"0+9*@"-";2;,-"-+9*6"</0,*9<,203" "
=9*,2+6"901"@+39@="*9<,2,2/0+*6"20"E+00+66++"B9M+"3*9==@+1"G2,B" "
+_<)@=9,/*-<@9)6+6>"96",B+"E+00+66++" ()=*+ : + ' /) *, "B96" "
6,*)33@+1"/,"<@+9*@"- "1+;20+"" ,B+2*"+0; /*<+9]2@2,-C"

ZC" . *906<) : >' X 8 8 f i E^" / (:69I"5=+3+, -\$6:\$/012345,69-\$8352;";7\$@2)+I+53\$ "
C" I3595,+6(;\$6:\$B2=3+I\$B63+I-\$5; \$5\$A "5(;,\$6\$B96 *6, "\$K9"")6 *\$6:\$86(,95I,\$+(\$ "
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EB+ ' 9@2; /*029" ()=*+ : + ' /) *,6" : : 9*2^+1",B+6,*)33@+"96";/@@/G6^

0,B+"@9G"B96"@//7+1"<9*+;)@@-"901"G2,B"6/ : +67+=,2<26 : "9," ,B/6+ "
GB/"9,,+ : =,"/</0,*9<,"9G9-",B+2*@"@+39@@"29]2@2,-"/,* ,B+ "
</ : : 2662/0"/;"/,*6C0" ' /) *,6"901"</ : : +0,9,/*6"B9M+/"]6+*M+1" "
,B9,"6)<B"*+@+96+6"= /6+"9"</0;@2<,"]+,G++0"</0,*9<,"901"/,*,"@9G" "
X0",B+ /0+"B901"26",B+,*+1 / : "/;"2012M21)9@6"/,"93*+," /"@2 : 2," "

!Q"

#####%&'(")*+,-. /01203"4"5267" 8 9093+ : +0," ' /0;+*+0<+ "
. /02,9" (=2036"?@/*219"

X),621+/" ;"126=),+6"]+,G++0"6/=B26,2<9,+1"</ : : +*<29@=9*,2+6>"3+0+*9@@-> : 90-"
6,9,+6"9==@-"90"b)0</06<2/09]2@2,-c",-+=*909@-626"]96+1"/0"M9*2/)6";9<,/*6%"%6"
@9 : +0,+1"]-"/0+"9),B/*^"

EB+*=*/]@+ : "G2,B"1+,+* : 20203",B+"0; /*<+9]2@2,-"/;"90"
+<_)@=9,/*-"<@9)6+26"0/,"9"@9<7"/;*)@+6"/*<96+"@9G"1",B+"
=*/]@+ : "26",B9,"B+*+"9*+",// : 90-"*)@+6C". +<9)6+<_<_)@=9,/*-"
<@9)6+6"9*+"9" : 9,,+*"/;"</0,*9<,"@9G">"+9<B"6,9,+06"6)=*+ : +<"/)*,"
26",B+"9),B/*2,9,2M+"20,+*+=*+,+*"/;" ,B+6+"=*/M262/06C"EB+*+; /*+>"
,B+"()=*+ : + " ' /)*,"/;" ,B+"e 02,+1"(,9,+6"26"/0@-"9]@+,"/
=*/ :)@39,+*)@+6"1+9@203"G2,B"+<_<_)@=9,/*-"<@9)6+6"GB+*+";+1+*9@
6,9,) ,+6"9*+</0<+*0+1C"(20<+,"B+*+"26"0/,"9"6203@+] *23B,T@20+"
)@+,"/9==@->"+M+*-"6,9,+ "B96"B91"/"/</ : +")="G2,B",B+2*"/G0"6+,"
/;"6,9019*16";9<,/*6"/*"+@+ : +0,6C" (/ : +6,9,+6"B9M+<B/6+0"/"
;/@@/G ' 9@2; /*029"20",B+) 693+ "/;" ,B+"Q2(I3";9<,/*6"q"r"/ ,B+*
6,9,+6"B9M+</0621+*+1",B+"5+6,9,+ : +0,"P(+</01R"/;" ' /0,*9<,6>qr"
901"+M+0" : /*+"B9M+<B+** -T=2<7+1"+@+ : +0,6"901";9<,/*6";* / : "
]/,B"/<+*9,+ "9"0+G"6,9019*1C"q"r"Y B2@+"B9M203"6/" : 90-"*)@+6"/"
<B//6+";* / : " : 9-"0/,"6++ : "@27+"9"]91"21+9>"B9M203",// : 90-"
6,9019*16"<90" : 97+",B+"=*/<+66"/;"909@-`203"+<_<_)@=9,/*-"
=*/M262/06"20+; ;+<,2M+C"

(+M+*9@6,9,+6"B9M+<*+9,+1" : +,B/16";/*"+_9 : 20203"+<_<_)@=9,/*-"
<@9)6+6"T"*+6)@,203"20"6+M+*9@12;;+*+0," ,+6,6"901"0) : +* /)6"
)02[]+";9<,/*6C" e 0; /*,)09,+@->"B9M203",// : 90-" ,+6,6"/<B//6+ "
;* / : "/0@-"<9)6+6"</0;)62/0"GB+0"9,,+ : =,203"/"909@-`+"90"
+<_<_)@=9,/*-"<@9)6+C"

8 9332+"F)">" X 8 8 f i E"%39206,"H)]@2<"H/@2<-^" f 0; /*<+9]2@2,-"/;" f <_)@=9,/*-"
' @9)6+6"\\$"(C"E+_"FC"5+MC"QJI>QJU"P() : : +*"# \$! JR"P<2,203"20";//,0/,+6>"Q2(I3\$1134 . 668 - /G1g67 . 043

!N"

##%&'(")*+,-. /01203"4"5267"8 9093+ : +0," ' /0;+*+0<+ "
. /02,9" (=2036">?@/*219"

PI,B" ' 2*C"!J\JR>"Q!Q"?C"#1"!J#>"!JN>"26"3*/)01+1"20",B+
+</302,2/0",B9," ,B+" /]@239,2/0"/"206)+"90/,B+*" =9*,-"939206,"
,B+</6," / ;",B+" / ,B+*06"/G0"0+3@23+0<+"26"n6/" +_,*9/*1209* - "901"
B9*6B"C"C\C\n"H2:69)\$?%\$!"G"95&"\$5()\$W5,"9\$H)%P!JSIR>"X*@"F9C"
%==<>"!IN" (/C"! ! \$>"! ! S>"G2,B"n,B+" =/ ,+0,29@@"29]2@2,2+6""966) : +1"C"
C"C"9G+6/ : +n"P2,6\$ \ G("9;\$A2,253\$'(;%\$86%\$?%\$F69,<"9(\$' ()%\$
B2=3+I\$!"9?+I"\$86%#;\$2495>",B9,"9"=* / : 26/*"G/)@1"0/,"@23B,@- "
9<<+=",6)<B"9"]) *1+0"70/G203@- "901"G2@@"203@-C"X) *1+<262/0"
, /19- "62 : =@ - "2 : =@+ : +0,6",B9,"V) 12<29@=" / @2<-C"

p C"EB+</0,*9<,/*"GB/"70/G203@- "901"G2@@"203@- "=* / : 26+6",/"
201+ : 02; - ,B+</0,*9<,++";/*",B+"@9,+,*06"0+3@23+0<+" : 9- "0/,"
6)<<+66;)@@"- "</ : =@920"2;"6)<B"9"*+ [] 2*+ : +0,"G96" : 91+"+_=@2<2,"
] - ,B+,"+* : 6"/ ;",B+</0,*9<,C"

fM+0"<96)9@"*+6+9*<B"*+M+9@6"9"M96,"0) :]+*" / ;"*+="/*,+1"/=202/06"
;2@@"+1"G2,B"M+B+ : +0,"</0,*/M+*6- "/M+*" ,B+" : +90203"/ ;"=B*96+6">
G/*16">901"=)0<,)9,2/0"20"</0,*9<,)9@="*/M262/06"=) *="/*,203",/"
+ [] 2+ "/0+"=9*,-," /] +9*",B+"]) *1+0"/ ;",B+" / ,B+*06"0+3@23+0<+C"
!""\$E\$PLJ\$^)\$ _ ^ \$ _ a\$PLJ\$^)\$ Jc" Y + "9*+"0/,"6"/ ; / / @26B", / ,B207"
,B9,"] - "*" + [] 2*203"+_=@2<2,"@903)93+",B+"9 : /)0," / ; @2,239,2/0") =/0"
,B26"6)] V+<,"20"0012909"G2@@"] + "9==*+<29]@ - "*" +1)<+1C" .), "G+ "
</0<)*"G2,B",B+"M2+G6"+_=@+66+1"] - ,B+"1266+0,"20"

53;6\$@2(&\$@5"\$L""\$?"\$K")%\$!,%\$L/P#%\$LL8"P' CDC" ' 9@C" 8 9-"S">#\$!\R"#\$!\ " eC(C"D26,C" F f u0("NJQ#S">9,"#UT#JCRC"

i /,"+M+*- "V)*2612<,2/O"9@@/G6"FXF"=* /M262/06";/*"=+*6/09@"20V)*->"B/G+M+*C"EB+"
()=*+ : + ' /)*, / ; "K2*32029"B96")0+[]2M/<9@@ - "B+@ 1",B9,"=)]@2<="/@2<-";/*]216",B+"
+0; /*<+ : +0,"/;"9"*+@+96+"/*"G92M+*";/*"=+*6/09@"20V)*->"<9)6+1"]-";),)*+"9<,6"/;"
0+3@23+0<+C"P! ""\$@6<(;6(T;\$P) *T0\$?"\$J+I < *6()\$5()\$C5(?+33"\$J%J\$86%"U\ "K9C"
JIN>JIU>"!!" (CfC"U#J>US\$P!UJ\$Rj">+ ",,\$?"\$L5I"\$H59196:,\$86 * *2(+,-\$P; ;6I%"#QQ"
K9C"!J!>!JQT!JN"P!JJ#RC"

**4B I "5: < .3%)7&TA)%(?)*: < .57)%3\$U&0 2 0&!%.=(7(.57k).&0(1 0&' /\$(%&
A? .#&"56&G##*(?) (.5&**

fM+0"20"</ : : +*<29@"126=),+6"<96+6">FXF"=* /M262/06"9*+"3+0+*9@@ - "6,*2<,@ - "
</06,*)+1"20" : /6,"6,9,+6"939206",B+*=9*,-"6++7203",/" +0; /*<+ ,B+ : C" F2 (" ;\$
Q29:&95; ;#\$(I%\$?"\$N52&<5(M@51I3+(\$! """)\$86%"P!JUUR#\$\$" ' 9@C%==CS1"!N!U">!NSUj"
B"9"&9+ ("B<59 * ;#\$(I%\$?"\$83+ (+153\$!2443+";\$A & *,%#;\$,2495>#\$!Q" eC(C"D26,C" F f u0 ("
!\$NIIN\ "9,!UT!J" (/ : +"6,9,+6"</06,*)+6)<B"<@9)6+6"9<< / *1203", / ,B+2*"09,)*+>
GB2<B"9*+>"20"+;;+<,>"; /*;+2,)*"=* /M262/06",B9,"9*+," /]+ "</06,*)+1"6/"96", /"9M/21"9"
; /*;+2,)*+ / ; "23B,6C"%@ /03"+6,9]@26B+1"*)@+"20" ' 9@2; /*029>2;"90"93*++ : +0,"<90"]+ "
+96/09]@ - "20,++,*+1"6/"96", /"9M/21"9"; /*;+2,)*+>"2,"26",B+"1), - "/ ; ,B+ "</)*", / "
9M/21"2,C"X (+?"9;53\$!53";\$8694%\$?"\$853%\$",I%\$A :&%\$86%"P!JQ#R#"\$ ' 9@C#1"IN!>"II!C"
. +<9)6+"; /*;+2,)*+6"9*+"126;9M/*+1">90-"20</0626,+0,"9<,6"/ *1+9@2036"] - ",B+ "=9*,- "
<@92 : 203"9"; /*;+2,)*+ "G2@@"]+ *+39*1+1"96"9"G92M+*",B+*+ / ;C" H5(I\$6:\$P * "9+15\$F5,T3\$
Q92;,\$. \$!5?"\$P; ;6\$?

!U"

##%&' "()*, - ". /01203"4 "5267" 8 9093+ : +0," ' /0;+*+0<+ "
. /02,9" (=2036">?@ / *219"

)0+[]2M/<9@("903)93+"20",B+"93*++ : +0,"GB2<B"=*+<@)1+6"6)<B"
@29]2@2,-C"

H29(",,\$?%\$8<+ * ("-\$!G""4"P#\$QR"!#S" ' 9@C%==CQ,B"!\$NI>"!\$\\T

##%&'(")*+,-./01203"4"5267"89093+ : +0," ' /0;+*+0<+ "
. /02,9" (=2036">?@/*219"

!J"

1+;+0190,6";*/ : ",B+"@/66"/;="*/;2,6"<@92 : C"EB+" ' /) *, "126,203)26B+1"9<,2M+"901"
=9662M+"0+3@23+0<+";201203",B+"=@+912036"6,9,+1"9"<@92 : ";/*9<,2M+"0+3@23+0<+"
GB+0",B+"1+;+0190,"G96"9G9*+";",B+"=* /]@+ : 6"901"70/G203@-"*+;)+6+1"/"
*+ : +129,+",B+ : C")%>9,"!\$ \ IC""

00"90/,B+*"+_9 : =@+>"</0621+*",B+"<96+";"/' (&"9;633MJ5()\$86%\$?%\$/3\$C695)6\$8<"*%\$
86%P#\$\$U"%*7C"(C' ,CR"sis"%*7C"##\C"00",B26"<96+>"9 : 90);9<,) *+*";2@+1"6)2,"
939206,"9"</0,*9<,*"901"2,6"6B/="6)=+*20,+01+0,"; /*"0+3@23+0<+"20",B+*"+=92*203"
901"*+])2@1203"/;"+[)2= : +0,"; /*",B+" : 90);9<,) *+*06"=@90,C"EB+"</0,*9<,*"966+*,+1"
96"9"1+;+06+"9"02 : 2,9,2/0"/;"@29]2@2,-"<@9)6+"20"9";9_+1"@+,,+*C"EB+"</0,*9<,*"9_+1"
90"93*++ : +0,"B9,"967+1",B+"=@920,2;,"/"6230"2,"901"*+,)*0"9;,+*93*++203"/,"B+"
,+* : 6"/0",B+,* /0,"901"]9<7"621+C"EB+"=@920,2;,"6230+1"901"*+,)*0+1"2,>])",0/,B203"
G96"/0",B+"]9<7"621+";",B+;9_C"%6+</01";9_<9 : +"G2,B"90"FXF"=* /M262/0"]),"B+
/GO+*0+M+*6230+1"901"0+M+*+*,)*0+1"2,C"%V)*-)*+,)*0+1"9"M+*12<,"20";9M*/";",B+
: 90);9<,) *+*";/*"s"J>IJ\>#!UC"EB+"9==+9@6</)*,>6,*2<,@-</06,*)203",B+
93*++ : +0,>"1+<@20+1"/,+0; /*<+2,"901")=B+@1",B+"=@920,2;,"M+*12<,"C""

EB)6"2,"26"+6+=<29@@"-2 : =/*,90,"/"6+<9*+;)@>"<@+9*")0+ [)2M/<9@901"6+=<2;2<"
@903)93+"GB+0"=*+9*203"FXF"=* /M262/06"20"93*++ : +0,6"901"+06)*+2,"G96"
+_ =*+66@-"93*++1")= /0C"(++>+3C>(" ,+M+0" . C" F+66+*"Q<"\$Y9"5,\$ /;154"#\$>6G\$,6\$
C95;,\$ /012345,69-\$8352;";,\$<5,\$L+ *+, \$69\$/0,+ (&2+;<\$L+5=+3+,->"EB+"?@/*219" . 9*"
A/)*09@>"i /M+ :]+*"\$\$\$!>9,"!\$C""

>B >.3%)7kV\$5\$%':&kR(**k.J.)&kK58.??\$k0 2 0 k! ! .=(7(.57k8.%k@? , *\$77E&
R(**83*E&. %k-5)\$5)(.5"*** :&R%.5<83*k>.563?)&**

YB+,B+*"]-6,9,) ,+/*"/0=")]@2<="/@2<-"3*/)016;</)*,6"G2@@"0/,"+0; /*<+"FXF"
=* /M262/06",B9,"6+7"/,"6B2+@1"="+6/06";* / : "20,+0,2/09@ : 26</01)<,>";9)1>
bG/0,/0c"/**"+<7@+66"</01)<,"C"? /*"206,90<+>"%@9]9 : 9"</)*,6"B9M+"0/,+1"FXF"
=* /M262/06">b9@,B/)3B"M9@21"901"</0626,+0,"G2,B"=)]@2<="/@2<-"96"/,"0+3@23+0,"
</01)<,"9*+"20M9@21"901"</0,*9*-" /"=)]@2<="/@2<-"96"/,"G90,/0/*"G2@@"@</01)<,"Cc"
H59(" ;,\$?%\$H+9*+ (&<5*%'(,T3\$J51" "G5->"P(C' ,C"%@9C"!JUJR"NN!" (/C"#1"J#J"JSSj"! ""#\$
53;6#\$@6(" ;,\$?%\$C9";; ;3>"P(C' ,C" /@/C"!JU!R"\#S"HC#1"SI\$)"SI" "Pbq2r0"0"/+M+0,"G2@@"
90+_<@)@=9,*-"93*++ : +0,"]+="+* : 2,,+1"/,"6B2+@1"939206,"9"<@92 : "/;"G2@@")@901"
G90,/0"0+3@23+0<+CcRj">5(I;,\$?%\$B6G)"9\$J+)&"\$J";,\$8694%>"P' /00C"(C' ,C"#\$\$NR"
#I\ ' /00C"S!Q>"SSI"p' /00+<,2<),"1/+6"0/,"*+</302"+1+3*++6"/;"0+3@23+0<+C" .),"
=* /B2]2,6"FXF"=* /M262/06"; /**+<7@+66"901"20,+0,2/09@</01)<,"RC""

' /0626,+0,@->"GB+*"+@+;," /< / : : /0"@9G"20",B+</)*,6"P()"9;6(\$?%\$A1 \ ; I59\$
/ (,"9;%"P#\$\$ " ' ,C"%==C" 8 200CR"i!#" i C Y C#1" IJ \>"US!>*+</302`+1"b90-"w,+* : d"20"9"
</0,*9<,"GB2<B"9,,+ : =,6"/,+_+ : =,"9"=9*,-";* / : "@29]2@2,-"; /*"3*/66"0+3@23+0<+/*"
G90,/0"</01)<,"26")0+0; /*<+9]@+>"0/," ,B+ +0,2*+>q</0,*9<,rCd"p[] /,203" W63:&5 (&\$?%\$
A+)MP * "9+15(\$A 6,69;469;,\$' (I%"UJU"?"()=C" IUS>"IUU"pDC" L90C"! J JNR"pGB2<B"20"
,)*0 [] /,+6"5+6,9,+ : +0,"P(+</01R"/;"' /0,*9<,6"K"! JNP!R"p!JU!R"p%"+* : "

4 69("<)0 . 2(/0+>@)0=,203)@=9(R)"J]J2("4 B9)0 . 2 \$ 0076 . 224 00 .. 274,02(-) ->(C" IUS>)"JU"pD,+)-]J 5 00(B5)04 . 0550669 .. 224 6 0679,*24

#"\$

##%&'(")*+,-. /01203"4"5267" 8 9093+ : +0,"' /0;+*+0<+ "
. /02,9" (=2036)"?@/*219"

!C (,9,)/ *- "H*/B2]2,2/06"/0"FXF"H*/M262/06"

%6"911*+66+1"9]/M+20"00"9"<96+"GB+*+",B+"@2 : 2,9,2/0"/;"@29]2@2,-"=*/M262/06"]9**+1"
</06+[)+0,29@19 : 93+6"901"@2 : 2,+1"*+</M+*-" ,/"b,B+ ,/,9@9 : /)0,"=921>c"/0+ "
' 9@2; /*029" ' /) * ,B+@1"bq ' 2M2@ " ' /1+r"6+<,2/0"! \ \ U"*+01+*6",B+"qr"@2 : 2,9,2/0"/;"
@29]2@2,-")0+0; /*<+9]@+ ,/" ,B+"+_ ,+0,"2,"G/)@1"206)@9,+ "D+;+0190,"; /* : "20,+0,2/09@ "
,/*,"@29]2@2,-Cc"! ""#\$W"H66;,\$A ") +5\$!%J%L%\$?%\$L66I! *59,\$L,)%"P i CDC" ' 9@C"A)0+"!#>
#\$!QR"#\$!Q" eC(C"D26,C"F f u0("U\$JIU>"#\$!Q" YF"#\#!Q\N>9,"JT!\$"C"

F/)262909"B96"9"6,9,) ,+,"B9,"1+<@9*+6"96"0)@@"90- "<@9)6+,"B9,"@2 : 2,6"@29]2@2,-"]96+1"
/0"20,+0,2/09@;"9)@,"/*3*/66;"9)@,"/*; /*=B-62<9@20V)*-C" (+>"F9C" ' 2MC" ' /1+%* ,C"
#\$SQJ" \ ; ,96G+"II+?\$P&&9"; ;69\$K3"" ,#\$L,)%>J\N" (/C#1"N#I"PF9C"%==C"#\$SIRC"

#C 00,+0,2/09@E/*,6"901"?*9)1)@+0," ' /01)<,"

%6"2012<9,+1"9]/M+>"V)*2612<,2/06"9*+*+@9,2M+@-")02; /* : >"2,B+*")*6)90," ,/"6,9,) ,+ "
/*"1+<262/09@@"9G">20"*+;)6203"/, "+0; /*<+ "FXF"=*/M262/06"20"<96+6"20M/@M203";*9)1"
/*"20,+0,2/09@ : 26</01)<,"C! ""#\$%&#K2" (, ; \$?%\$ \ G" ("P?@9C"S1"DC" ' C%C" ! JINR'S!\$" "
(/C"#1"QNUC"

00",B+"G/*16"/;"/0+ "</)*>,"

eO@27+ "<@92 : 6"20M/@M203"0+3@23+0,"M2/@9,2/06"/;@"9G")01+*"q ' 9@C"
' 2M2@ " ' /1+r" (<+,2/0"! \ \ U> ,B+*+"26"0/"6=@2,"20",B+"<96+@9G"
*+39*1203"20,+0,2/09@ ,/*,6C"EB+"<96+6")02; /* : @-"B/@1",B9,"
w@2 : 2,9,2/0"/;"@29]2@2,- "<@9)6+6"9*+"20+; ;+<,2M+"G2,B"*+6+<," ,/"
<@92 : 6"; /*; *9)1"901" : 26*+*+6+0,9,2/0>d"*+39*1@+66"/; "GB+,B+* "
,B+)=]@2<"20,+*+6,"26"2 : =@2<9,+1C"q8+,+ (&\$K66)\$!5:" ,-\$F", \$!9?; %\$?%\$
/16\$!5:"\$! - ; %\$X!P#\$' (I" P#\$! #R"# \$J" ' 9@C% ==CQ,B" !!!U> !!!#\j"
H35(I" (<" + *#\$; 2495>#!I" ' 9@C% ==CS1"9," !QI !T! QISr"qxr p C"+M+0"
GB+*+",B+"<@9)6+ "9 : /)0,6"/,"9"@2 : 2,9,2/0"/0"19 : 93+6"96"
/==/6+1"/,"90"/), *23B,"+_+ : =,2/0C"

B"9"&9+ ("B<59* ; #\$(I%\$?%\$83+(+153\$!2443+"; \$A & * ,%"P ' CDC" ' 9@C"A)@-"SS">"#\$!QR"
#\$!Q" eC(C"D26,C"F f u0("!"\$NIN\>""="NSTNNj"#\$!Q" YF"SIJ!N\Ij"K66)\$!5:" ,-\$F", \$
!"9?+I"; \$?%\$/16\$!5:"\$! - ; , " * ; \$X!P#\$' (I" P#\$! #R"# \$J" ' 9@C% ==CQ,B" !!!U> !!!#\j"
H35(I" (<" + *#\$; 2495# #I" ' 9@C% ==C" S1"9," =C" !QI !g! QISC"

00"9"<96+"GB+*+",B+"@2 : 2,9,2/0"/;"@29]2@2,-"=*/M262/06"]9**+1"</06+[)+0,29@19 : 93+6"
901"@2 : 2,+1"*+</M+*-" ,/"b,B+ ,/,9@9 : /)0,"=921>c",B+" i /*,B+*0"D26,*2<,"/;"
' 9@2; /*029"B+@1"bq ' 9@C" ' 2M2@ " ' /1+r"6+<,2/0"! \ \ U"*+01+*6",B+"qr"@2 : 2,9,2/0"/;"
@29]2@2,-")0+0; /*<+9]@+ ,/" ,B+"+_ ,+0,"2,"G/)@1"206)@9,+ "D+;+0190,"; /* : "20,+0,2/09@ "
,/*,"@29]2@2,-Cc"

#!"

###%&' (")*+,- . /01203"4"5267"89093+ : +0," ' /0;+*+0<+ "
. /02,9" (= *2036"?@/*219"

SC &*/66" i +3@23+0<+" 8 9- "5+01+*"90"FXF"H*/M262/0"
e0+0; /*<+9]@+"

#\$##"%& ' "()*+,-. /01203"4 "5267" 8 9093+ : +0," ' /0;+*+0<+"
. /02,9" (=2036">?@/*219"

</00+<,2/0"G2,B"</06,*)<,2/0"</0,*9<,60"E/" : 97+"2," : /*+**+9@26,2<>"G+"911",/,"B+"
+_9 : =@+" ,B*++"9112,2/09@";9<,6^"P!R"</ : =+,203"=920,"</ : =902+6"G+*+"0/,"9M92@9]@+"
 ,/"1/" ,B+"G/*7")0,2@"/0+"-+9*9;,+* ,+* : 209,2/0>"901"P#R" ,B+"1+@9- "*"6)@,+1"20",B+"

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,B9,"B+2*"/06+[)+0,29@19 : 93+6"*+6)@,+1";*/ : "1+;+0190,d6";*9)1)@+0,"
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fM+0"G2,B/),"</0<+9@ : +0,"20M/@M+1>")01+*" ' 9@2; /*029" ' /0,*9<,/*6" (,+"F2<+06203"
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' 9@C" .)6C" 4 "H*/;C"K"I!\$IC"%]901/0 : +0,"/;"</0,*9<,C"

' 9@C" .)6C" 4 "H*/;C"K"I!\$JC"D+=9*,) *+";*/ : "9<<+="+1",*91+"
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V/]>;92@,"/ "=* /M21+"=* /+*" : 90=/G+*";92@,"/ "</ : =@+,+2,"; /*",B+"=*2<+>"/ *";92@,"/ "
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