

!

!"#\$%&'(')*#+,-.:/0123456789- \$1.-,67#''2#5\$,%

!

!"#\$%&'(')*#+,-.:/0+(+ '102)3+01\$4.301"(0".5+%".

!

"#! !"#\$\$%'(")*+,\$"(-,+-%'./0')\$1%2\$\$+%3\$#\$'4\$35%67"/%("\$%/7\$85%\$\$%&'(!)*+,-,;!)+(!/./!)0-11)'23!02/41+35+!3/+)!(&+!67/57'8!+9*+,(!)(:3+2(!/!&' ;+!' ,<:-7+3!7/8!('0-25! =/,-'!!=,-+2,+!>/7+!-2!?,/2/8-,.)@#!

(a) ? ?). (. ., ?
I ? F ? A

(b) , .

!

(c) , .

(d) - .

(e)

!

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K/7!+9' 8 *!+I!(&+!?!> LM" "N"!)H!(' C-!)('+#"

G)! ' !> /7+!, / :7)+!3+)-52+3!(/!. :1.-!1! ' != / , - ' !!= , +2 , +!> /7+!7+< :-7+8+2(!!(&-)! , / :7)+!4-!10!

"F!P2(7/3: , +!+ , /2/ 8- ,)! ')! ' !4 ' H! / .!(&-20-25! ' 23! ' * *7 / ' , &-25! *7/C!+8)F!

AF!Q: -3+!)(:3+2()!(/!(&-20! ' 2 ' !H(- , ' !!HF!

RF!Q: -3+!)(:3+2()!(/!(' 2 ' !HS+! , :77+2(!-) :+)!(&7 / :5&! ' 2!+ , /2/ 8- , !*+7) *+ , (- ; +F!

TF!67+ * ' 7+!)(:3+2()!. /7!. : (:7+! , / :7)+)!-2!+ , /2/ 8- ,)F!

= * + , - , - , ' !!HI!)(:3+2()!4-!1!C+! ' C!+!(/0!

UF!

!

U#! 6 7"/%07"+-\$1%7"#%2\$+\$%) "3\$%"1%"(\$1.*/%'&%.1,+-%/7\$3"/"A\$#,3\$+0\$5%\$\' ;+!(&+7+!
C++2!' 2H!7+,+2(!,&' 25+)!(/!H/ :7!, :77-, :1: 8 @!%&H!4+7+!(&+H! 8 ' 3+@#!

>/7+!Y+2+4 '1!>')+)F!P2!. '1!/.!ANAR!(&+!E+* '7(8+2(!/..+7+3!!. /7!(&+!) +, /23!(-8+!(8+7+!
>/7+!Y+2+4 '1!,1')+)0! , >' 2!?'7C-!], □ IID7',H!
Y+5' 2! ! 23! & A Q+ /..! = '2S+2C', &+7F!

%+!'7+!4+!1!-2(!/! :7!)(7+ ' 8!-2+3!+, /2!*7-2,-*1+)!. /78 ' (!' 23!-(!-)4 /70-25!4+!1F!E :7-25!(8+!
8"^[AN!' , ' 3+8-, !H+ '7!(!&+!E+* '7(8+2(!7+*1', +3!-(!)(4/[]+8+)(+7!) +< :+2, +! `-, 7/!
' , /2/ 8-, !67-2, -*1+)!\$?>LM" "R"#!' 23! `', 7/+, /2/ 8-, !67-2, -*1+)!\$?>LM" "RA#!4-(8+!
./ :7[, 7+3-(!1/2+[]+8+)(+7!, / :7)+!\$?>LM" "N"#!67-2, -*1+)!/!.!?, /2/ 8-,)#F!D&+)+!, &' 25+)!
4+7+!8 ' 3+!(/!C+((+7!7+) * /23!(/!(8+! ! 75+!2: 8C+7! / .!-2, / 8-25!a>!) (: 3+2!)!(&' (!&' ;+!
('0+2!?, /2/ 8-,)bG6!+9' 8)!-2!&-5&! , & / ! \$' 23!2/(!')! !7+) :1(!/!.!(&+!+; '1: '(-/2!3' (!
, /11+, (+3!CH!(&+!E+* '7(8+2(#! > /23+2)-25!(8+!67-2, -*1+)!, / :7)+!-2(!/!2+!)+8+)(+7!
+2' C!+)!(&+! 8 ' J/7)! ' 23! 8-2/7)! ' 2! / ** /7 : 2-(H!(/!(' 0+! 8 /7+!+1+, (-;+)! /!(8+H!&' ;+!
C7/ ' 3+7!' 23!3++*+7!+3: , '(-/2!(&' (!C+((+7!)&/4, ')+)!(&+!3-), -*1-2+!F! D&+!+1+, (-;+)! '7+! !
8-9! /!.!(&+ /7+(-, '1!' 23!' **1-+3!+, /2/ 8-,)F!

=(: 3+2(!+ ' 3+7)&-*!-2!(8+!+, /2/ 8-,)!3+* '7(8+2(!7+5:1' 7H!&/)(-25!;-7(: '1!' 23!-2!*+7)/2!
37/ *[-2!' 3;-)-25F! ` ' J/7)!4&/' 7+!' 1) /!-2!(8+!?, /2/ 8-,)! \ /2/7! = /, -(H!L 8-, 7/2!E+(!
' ?*)-1/2!cLE?d!' 23!(8+!a/)(/2!> /11+5+!?, /2/ 8-,)!G) / , -'(-/2!ca>?Gd!' 2) 4+7!
<:+)(-/2)! /!.! '1!)(: 3+2()!+; +2!-.7)(!H+ ' 7e)F!

V#! B"/\$%' &/7\$%) ' 1%(\$0\$+/%4(' -(")%(\$#,\$@:%\$ f / :7!' (+)!(, / 8 *7+&+2)-;+!3+* '7(8+2(' 1!
)+1.[])(: 3H!' 23!+9(+72 ' 1!7+; +4F#!

D&+!')!(+9(+72 ' 1!7+; +4! /!.!(&+!E+* '7(8+2(!/!.!?, /2/ 8-,)!(/ /0!*1', +!-2

D&+!\ /2/7)!D&+)-!

D&+!=+2-/7!\ /2/7)!D&+)-!&')!C++2!(&/7/ :5&H!7+)(7: ,(:7+3!4-(&!` - ,&' +!Q7:CC!)&' 7-25!(&+!
&/2/7)!*7/57' 8!3-7+,(/7!7/!+!4-(&!a/C!` :7* &HF!D&+!. '!! , / :7)+!&')!C++2!+2&' 2 ,+3!(/!-2,1:3+!
'!2: 8C+7!/!.!*7+)+2('(-/2)!/2!7+)+ '7 ,&!8 +(&/3)F!

D&+!&/2/7)!(&+)-)!+< :+2 ,+! ?> LMTT^W[TT^X!&')!C++2!7+./78 '(+3!(/!)-8 :! '(+!
'7(-,'(-/2!/./!/:7!C+)(!)(:3+2()!-2,1:3-25!' 33(-/2 '!!8++(-25)!-2!(&+!. '!!' 23!'!!/4-25!TT^X!
(/!, / :2!(/4 '73!(&+!8 'J/7F!

!

D&+!.-7)(!, / 8 *!+(+H!7+2+4+3!=+2-/7!\ /2/7)!(&+)-)!3+C: (+3!-2!ANAA[ARI!4-(&!` - ,&' +!Q7:CC!
')!3-7+,(/7F!D&+!. /78 '(!&')!C++2!, / 8 *!+(+H!7+;-)+3!' 23!(-)!-S+!&')!3/ :C!+3F!D&+!
, :77- ,:1: 8!4 ')!..:23' 8+2('!!H!7+;-)+3!)/!(&' (!7+)+ '7 ,&!8 +(&/3)!4+7+!(' :5&(l-2!,1'))F!L :()-3+!
) *+ '0+7)!7/ 8!(&+!l-C7' 7H!7+)+ '7 ,&!)+7;- ,+)!! ' 23!(&+!P2)(-:(-/2 '!Y+;-+4!a / '73!4+7+!C7/ :5&(!
-2!(/!3- , :))!; '7-/:)!') *+ ,)!/.!7+)+ '7 ,&! ' 23!3 ' ('F!D&+!-3+ ' !4 ')!2/(!J:)(!' C/ :(!8 +(&/3/!/5H!
C: (!2+(4/70-250!(/!, /22+ , (!)(:3+2()!(/!(&+)+!7+) / :7 ,+)!-2!' !*+7)/2 ' !4 ' H!)/!(&+H!4 / :!3!.++!
, / 8 ./7(' C!+!5/-25!(/!(&/)+!/.- ,+)!./7! 8 /7+!&+!*!! '(+7F!L75' 2-S' (-/2!/./!(&+!,1'))!4 ')! ,&' 25+3!
) /!')!(/!-2,7+ ')+!)(:3+2!('0+ : *F!D&+!3+ * '7(8+2(!4+C)-(+!4 ')!7+;-)+3!(/!C+((+7! '3; +7(-)+!(&+!
(&+)-)! , / :7)+F!D&+!, / :7)+!4 ')!3+)-52 '(+3!' 2!+ , /2/ 8- ,)!+!+ , (-; +!4&- ,&!-2,7+ ')+3!('0+ : *F!
D&+)-)!5: -3+!-2+)! ' 23! * *!- , '(-/2!*7/ , +3:7+)!4+7+!' 1)!/!(&/7/ :5&H!7+; ' 8 *+3F!D&+)+!+../7(!
) : , , ++3+3!+ ' 3-25!(/!' !3/ :C!-25!/./!(&+!,1'))!)-S+F!==(:3+2(!.++3C ' ,0!&')!C++2!
/ ;+74&+!8-25!H!*/)-(;-;+! 8 ' 2H!&' ;+!7+8 '70+3!(&' (!-!4 ')!(&+!&-5&!-5&(!/./!(&+7!a>!+3: , '(-/2F!

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