

!"#\$%&'()\*+,-./:0&1('/%(-)233&4#5-#&/)

678593)

:#+();<<<<>#/5/4#5+)?&+4#(3)5/\$)?'&4(\$.'(3)

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2\$&@-(\$A7)-B(!02)!(/5-(-)C&1(%A(')DE!"F)DGDD)

853-)2%(!/"(\$ "2%(/\$(\$(&J)\*&/-(-/3

)

HKG </-'&\$ .4-#&/)

HKH L1('1#(9)&J)!02)>#/5/4(!-' .4-'(5/\$)0&5+3)

HKD !02);#4(?)'(3#\$(/-)J&')>#/5/4#5+2JJ5#3)

HKI !02)6.\$,(-)5/\$)>#/5/4()\*%%#--((

HKM !02)244&./-5/-)

HKN LJJ#4(&J)8(5\$('3B#@)24-#1#-#(3

EKHE !-.\$(/- ] 5.(3)5/\$)!-#(/\$)

EKDG !.%%(')!@(/\$#/ ,)

HGIG S(1(/.())?&+#47)

HHIG S5#3#/ ,)>./\$3)J&'U&/5-#&/)-&)C&/@'&J#-)L',5/#P5-#&/)?&+#47)

**9!"# 1822)% / %&:()\*+8&3,&4\***

HDKH 0(/('5+)?'&4(33)5/\$)?'&4(\$.'()

HDKN) C(9)\*B5'-('\$)\*+.AV)YW#3-#/ ,)\*+.A)9#-B)/&)6.\$, (-)

HD(O)) \*&/J('(/4()0'5/-3)

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HIG <C: SLUR\* :<LC)

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HKH); <%'<,%=\*6>1\$?+,&(&-%\*1:'8-:8'\*(&3\*\$6()7=):B()!-\$(-)0&1('/%(-)233&4#5-#&/)&J) !"#\$\$%'()\*+&,(^!02\_)5/5,(3)5/5//.5+)A.\$,(-)&J)5@@'&W#%5-(+7)`TGGFGGGF)54[. #'(\$)-B'&. ,B)-B() !-\$(-)24-#1#-7)>(())^!2>\_f)9B#4B)3)\$#3A.'3(\$)5//.5+7)A7)-B()!02)!(/5-(F)A53(\$)&/) '(4&%%(/\$5-#&/3)J'&%)&-B()6.\$,(-)5/\$)>#5/4)\*&%%#--((F-&)15'#&.3)4&%%#--((3F)5/\$)3-.\$(-) , '&.@3k):B(3)J./\$3F)%5\$().@)&J)-B()!-\$(-)24-#1#-7)>((3)4&+(4-(\$)J'&%)&(1('7)%(%A(')&J)-B() 3-.\$(-)A&\$7F)5'().3(\$)-&@'1#\$()3-.\$(-)9#-B)'(3&.'4(3)5/\$)54-#1#-(3)-B5-4'(5-(5)B#,B(')[.5-#-7)&J) #J()&.-3#\$()-B()4+533'&&%k)

:B()@.'@&3()&J)-B#3)\$&4.%(-)#3-&\$(J#/)&-B()J#5/4#5+)&#4#(3)5/\$)@'&4(\$.'(3)&J)!02k):B()6.\$,(-) 5/\$)>#5/4)\*&%%#--((F&/)A(B5+J)&J)-B()!-\$(-)!(/5-(5)/\$)!02)8(5\$('3B#&F)9'")4&&@('5-#1(+7) 9#-B)-B()LJJ#4()&J)8(5\$('3B#&)24-#1#-(3)-&)%5#/-5#/-)B()!02)J#5/4#5+544&./-3F)&1('3(5+)!02)5/\$) !-\$(-)24-#1#-7)>(())J#5/4#5+)-'5/354-#&/3F(/3.'(-)B5-)-B()!02)J#5/4#5+)&#4#(3)5/\$)@'&4(\$.'(3)5'() J&+&9(\$F)5/\$)'(1#(9)5+)&5%(/\$%(-)3-&)-B()@&#4#(3)5/\$)@'&4(\$.'(3)@.-)J&'&-B)#/)-B#3)\$&4.%(-)k)

)2\$#-#&/5+7F)-B()\$.#(3)&J)-B()J#5/4#5+)A'5/4B)#/4+.\$(F)A.-)5'()/&-)#%#-(\$-&=)(/3.'#/,)-B()4&#/#/.\$(\$) J#5/4#5+3.44(33)&J)!02F)@'1#5#/,)533#3-5/4(-&)-B&3(#/)/(((\$)&J)J#5/4#5+)&#47)5/\$)@'&4(\$.'5+) (W@+5/5-#&/F)(/3.'#/,)-B()J#5/4#5+)&#4#(3)5/\$)@'&4(\$.'(3)5'()'(1#3(\$)9B(/)/(4(335'7F)5/\$) '@'(3(/-#/,)-B()J#5/4#5+)#/-(('3-)&J)!02)5/\$)-B()!"#\$%&'(4&%%.#-7)#/5+)%5--('3k)

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HKD)1\$?@,-%\*5'7,3&:>6'+,&(&-,)\*?>>('7A)?'#%5'7)3-.\$(-)'(@'(3(/-5-#1(5)/\$)3@&"(3@('3&#/#/) 5+)%5--('3)@('5#/#/,)-&)!02)>#5/4#5+)?&#4#(3)5/\$)?'&4(\$.'(3k)\*B5#3)-B()6.\$,(-)5/\$)>#5/4() \*&%%#--((k)

HKI)1\$?\*B834%:(&3+,&(&-%\*C6//,::%A\*\*B#(J)%5/5,(%(-)A&\$7)&J)5+)!02)J#5/4(3)5/\$)J./\$3k) 2)3-5/\$#/,)4&%%#--(()&J)!02F)4B5',(\$)9#-B)5+&45-#/,)J./\$3-&)(54B)&',5/#P5-#&/)53)9(++)53)J#5/4#5+)&#47)'(1#(9F)5/\$)A'#/#/,)-B('#)'(4&%%(/\$5-#&/3)-&-B()!02)!(/5-(k))

HKM)1\$??-68&:(&:A)LJJ#4()&J)8(5\$('3B#&)24-#1#-(3k)?'#%5'7)5\$1#3&')&-)!02F)6.\$,(-)5/\$)>#5/4() \*&%%#--((F)5+)&3-.\$(-)4+.A3)5/\$)&' ,5/#P5-#&/3)'(5\$#/,)5+&45-#&/3F)A.\$,(-)F)3@(/\$#/,F)@&#47F) 5/\$)-'5#/#/,k)

HKN); >>,-%\*6>\*D%(3)'7E,2\*?>,<:,,%7=!\* .@&&'3)-B()&J)5/\$)54-#1#-(3)&J)#/\$#1#\$.5+3-.\$(-)3F) -B()!-\$(-)0&1('/%(-)233&4#5-#&/)5/\$)#-3)5@'&W#%5-(HIG)\$#1('3()'(#3-('\$)3-.\$(-)4+.A3) 5/\$)-B()(/-#')(45%@.3)4&%%.#-7)#/)'(5+P#/,)5)1#A'5/-)4&X4.'#4.+5')5/\$)3&4#5+7)a.3-3-.\$(-) #J(k)

HKO); '4(&F(:6&A)2/7)4+.A)&'&' ,5/#P5-#&/)4B5'-('\$)A7)-B()!-\$(-)0&1('/%(-)233&4#5-#&/)&'&)5) 4&%%#--(()9#-B)#/)-B()!-\$(-)0&1('/%(-)233&4#5-#&/)^#k(kF)</-'X\*+533)\*&./4#F)-B()!02)YW(4.#1() \*&%%#--((F)-B()!-\$(-)Y/-'5#/#/(-)\*&%%#--((F)!@('5"('3)6.'(5.F)(-4k)-B5-#3)5+&45-(\$)!2>) J./\$#/,k)

HKQ); '4(&F(:6&\*.'%(78%'7=L',5/#P5-#&/):'(53.'(3)5'()-B()J#5/4#5+)%5/5,(3)&J)-B('#) &' ,5/#P5-#&/)5/\$)54-53)5)#53&/)A(-9( (/)-B()&' ,5/#P5-#&/F)!02F)5/\$)L82k)L/7)&/)%(%A(')&J)-B() &' ,5/#P5-#&/)9#+)B51(-)B#3)5.-B&'#-7k)Y1('7)&' ,5/#P5-#&/)% .3-B51(5)-'(53.'(3)#/)&'\$(-)&)A(54-#1(k))

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:B(#')\$.-#(3)9#++)#/4+..\$(=)

- Z5#/-5#/#/,)-B()&',5/#P5-#&/b3)J#/5/4(3)#/)!"#\$!7/4)9B#4B)@'&1#\$(3)5)'5/354-#&/)B#3-&'7)5/(\$)5)4.'('(-)A5+5/4()
- S(3@&/3#A+()J&'4&%%./#45-#/,)-&-B()&',5/#P5-#&/b3)%(%A('3)-B()J#/5/4#5+)@&+#4#(3)5/(\$)@'&4(\$.'(3F)53)9(++)53)A.\$,(-)\$(-5#+3F)'(%5#/#/,)A.\$,(-)A5+5/4(3F)(-4K))
- c5/\$#/#/,)J./\$#/#/,'([.(3-3)J&'4&'&',5/#P5-#&/)^@.'4B53()'([.(3-3F)A.\$,(-)'([.(3-3F)3.@+@+(%(/-5+)J./\$#/#/,F)(-4K)5/\$)%5"#/#/,)\$(@&3#-3)#/)5)-#%(+7)%5//('K)U(@&3#-3)5'()A'&.,B-)&-B()!02)244&./-5/-)#/)8(5\$( '3B#@)24-#1#-#(3K)
- S(3@&/\$#/#/,)-&)5/7)5/(\$)5++)J#/5/4#5+)[.(3-#&/3)J'&%-B()!02);?>2F)6 d>)\*&%%#--((F)!02)244&./-5/-F)5/(\$)L82)#/)5)'(3@(4-J.+5/\$)-#%(+7)%5//('K)
- 2--(/\$#/#/,)%5/\$5-&'7)!02)J#/5/4()%( (-#/,3F)9&' "3B&@3F)5/\$V&')- '5#/#/,)

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!"# \$GHGI ?D\*+JH?HCJ?D\* .JKGDJHG\*

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6(, #//#/ ,)&J)-B(>5++)!(% (3-(')

!"#\$%&'()\*+,(. '35'b3)LJJ#4()4&+(4-3)!-.\$(-)24#1#-7)>(3)  
^! 2>\_5/\$)#3-'#A.-()J./\$3)-&! 0 2)

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! 0 2)#3-'#A.-()! 2>J./\$)-&4+.A3F)&',5/#P5-#&/3F)5/\$)  
4&%%#--(3)A53(\$)&/)-B(A.\$,(-#/ ,)@'&4(33)J'&%)-B()@(1#&.3)  
545\$(%#4)7(5')

Y5'+7)>5++)!(% (3-(')

! 0 2)5/\$)L 8 2)B&3-5)%5/\$5-&'7)-'5#/#/ ,)J&')5++)4+.AV)

L"# .MG\*1NJOK ; IG\*C ; DDG\$G\*1. POGH.\*?C.J@J.Q\*+GG\* \*

IKG .E%\*1:83%&:\*? -:,<,:R\*+%A) : B(%)5a&'#-7)&J)-B(J) . / \$3)-B5-)%5" (.)@! 0 2b3)5// .5+)&@('5-#/ ,) A.\$, (-)5'(4&+(4-(\$)-B'&. ,B)-B(!-.\$(-)24-#1#-7)>((!)^! 2>\_k) : B(! 2>#3)4B5' , (\$) (54B) 3(% (3-(')-&)5+)%5-'#4 . +5-(\$)-3-.\$(-3F)A&-B)J. ++5/\$)@5'-X-#% (F)5/\$)&/X%5-'#4 . +5-(\$)-3-.\$(-3) ('&+(\$)#(/)HD)&'%)&'(4'(\$#-3)5)3(% (3-('k) : B(%)5%& . /-&J)-B(! 2>#3)1&-(\$). @&/)5// .5+7)A7) -B(! " # \$ % & ' ( ) \* & + ( , ( ) A & 5 ' \$ ) & J : ' . 3 - ( ( 3 ) 5 / \$ ) # 3 ) A # + + 5 / \$ ) 4 & + ( 4 - ( \$ ) - B ' & . , B ) - . # - # & / ) @ 5 7 % ( / - 3 ) A 7 ) - B ( ) 6 . ' 3 5 ' b 3 ) L J J # 4 ( k )

IKH P7%\*6>\*1? +\*+8&37=)! 2>)J. / \$3)5' (.)3(\$A7)! 0 2F)4+ . A3F)&' , 5/#P5-#&/3F)5/\$)&-B(')3-.\$(-X+(\$) , '& . @3F)#\$(-#J#(\$A7)! 0 2F)-&)4'(5-(\$)3. 3-5#/5)1#A'5/-F)54-#1(F)5/\$)#/4+ . 3#1(3&4#5+) (/1#&/%(/-J&')! "#\$%&'(3-.\$(-3)A7)3. @&&' - # / , # / \$ # 1 # \$ . 5 + # / # # 5 - # 1 ( 3 F ) 4 & % % . / # - 7 ) ( 1 ( / - 3 F ) 5 / \$ ) 4 & + 5 A & ' 5 - # & / 3 k )

IKD K (&(4% / %&:\*6>\*1? +\*+8&37=)! 2>)J. / \$3)5' (.)%5/5 , (\$)4&+5A&'5-#1(+7)A7)! 0 2)5/\$)-B(LJJ#4() &J)8(5\$('3B#@)24-#1#-#(3)^L82\_k)! 0 2)#3)@'#%5'#+7)'(3@&/3#A+(J&')'( , . +5-# / , F)#3-'#A . # / , F)5/\$) 3(-# / , )@&#47)J&')-B(%)5/5 , (% (/ - ) 5 / \$ ) . 3 ( ) & J ) \$ T h ( ) 1 < 2 8 > 1 ( % ) 2 3 5 ( B T / T T 2 1 T f - 0 4 0 0 4 6 1 8 9 2 . 1 3 - 2 0 2 T h (

- :B(&' ,5/#P5-#&/)'(4&'\$)&J)@('J&'%5/4()5/\$)J#/5/4#5+)'(3@&/3#A##-7\*
- :B(##%54-53#-)'(+5-()-&)J./\$#/ ,)&-B(')3-.\$(-)&' ,5/#P5-#&/3F)5/\$)-B(#')4&%@5'5-#1()  
A(/(J#-3\*
- ] B(/)5@#45A+(F)-B()&' ,5/#P5-#&/b3)5A##-7-)&'5#3()' (1(/. (#/)'&'\$(-)&)+(33(/)-B(#')/((\$)  
J&')! 0 2)J./\$3\*
- :B(A.\$ , (-)5+&45-#&/)J&' )-B()&' ,5/#P5-#&/b3)#/)-B()@'(1#&.3)7(5'F)5/\$)-B()\$( , '(()-&)9B#4B)  
#-)953).-##P(\$\*
- :B(544.'547)&J)-B(A.\$ , (-)3.A%#-(\$)J&' )-B()@'(1#&.3)J#345+)7(5')5/\$)4.' '(/-J#345+)7(5'\*  
2/7)1#&+5-#&/3)-&-B(3)J#/5/4#5+)&#4(3)J'&%)-B()@'(1#&.3)7(5'\*  
2/7)1#&+5-#&/3)-&-B(3)J#/5/4#5+)&#4(3)J'&%)-B()@'(1#&.3)7(5'\*  
<-)#3)5@#45A+(-)&-B()&' ,5/#P5-#&/b3)%#33#&/)\*  
\* ('-5#/'( [ . (3-3)%57)A(J&' ) . /3.3-5#/#5A+(/#/#5-#1(3k) : B()6 d>)\*&%#%#--(F)9#-B)  
&1('3# ,B-)J'&%)-B() ; ?>2)5/\$)! 0 2)244& . /-5/-F)B53)-B()5A##-7)5/\$)'(3@&/3#A##-7-)&\$(/7)  
J./\$#/ ,)&'&-&5+&45-()+33)-B5/)-B()5W#% . %)5+&9 (\$A7)@&#47)J&' )-B&3(/#/#5-#1(3k)\*  
o 2/). /3.3-5#/#5A+(/#/#5-#1(3k)&/()-B5-)'( [ . #'(3)5/)(W4(33#1()4&3-)&'5/). /\$. ()  
5\$%#/#3-'5-#1()A.'\$(/&/)(#-B(')! 0 2)&' )-B(LJJ#4()&J)8(5\$('3B#@)24-#1#-(3k)2/)  
(W4(33#1()4&3-)&9& .+\$)4'(5-())#''(3@&/3#A+())\$'5#/)&/)! 0 2)'(3& . '4(3)&'5)  
@5'-#4. +5')A.\$ , (-F)(1(/)J)#-#3)5+&9 (\$A7)@&#47)2/\$). /\$. ()5\$%#/#3-'5-#1()  
A.'\$(/)'( [ . #'(3)5/)#/'&'\$#/5-()5%& . /-)&J)5\$%#/#3-'5-#1()5--(/-#&/&)-B()@5' )&J)  
! 0 2)&JJ#4('3)&J)-B(LJJ#4()&J)8(5\$('3B#@)24-#1#-(3k) : B#3). /\$. ()5\$%#/#3-'5-#1()  
A.'\$(/)%57)\$('1()J'&%)#/4&%@+(-)'( [ . (346 0 04651 , 046515BB(48.32 6-56 9T0Q0'39 0 6593





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0"#\*12%&3,&4\*56),-R\*(&3\*5'6-%38'%7\*

EKH :5WXYW(%@-)?&#47)

EKHKH) !"#\$\$%&'()\*+,(,)#3)5-5WX(W(%@-)NGH^4\_I)&',5/#P5-#&/)5/\$)#3)(W(%@-)J'&%)  
@57#/,)C(9)f&'")!-5-(3)35+(3)-5WK):B('(J&'(F)!2>)J./\$3)%57)/&-)A().3(\$)-&)@57)  
&)'(%A.'3(##/\$#1#\$\$.5+3)&'&',5/#P5-#&/3)J&')35+(3)-5WK)

EKHKD 2/7)&',5/#P5-#&/F)&'#/\$#1#\$\$.5+F)4&%@+(-#/,)5)@.'4B53(9#-B)!2>)J./\$3)%3-)  
&'&1#\$(1(\$&'3)9#-B)!"#\$\$%&'(b3)-5WX(W(%@-)#/J&'%5-#&/F)9B#4B)45/)A()&A-5#/\$)  
J'&%)L82K))

EKHKI ]B&+(35+)'(-5#)%(%A('3B#@45'\$3)^6gb3\_5')515#5A+()1#5)L82)J&'  
&',5/#P5-#&/3)-&).3()&/)5)-(%@&'5'7F)-B'((^I\_)\$57)A53#3K)>5#+'.')-&'(-./)  
%(%A('3B#@3)45'\$3)9#-B#/-)-B'((A.3#/(33)\$573)9#++)'(3.+)#/5)J#/()-&-)B(  
&',5/#P5-#&/3)A.\$,(-&J)`HGKGG)J&')(1('7)\$57)/&-)'(-./(\$)-&)L82K))

EKD S(J'(3B%(-3)?&#47)

EKDKD 0(/('5+)'(J'(3B%(-3)5'())\$(J#/(53)J&&\$)5/\$)A(1('5,(3).3(\$)J&')%((-#/,3F)  
'(B(5'35+3F)5/\$)(1(-)@'&\$.4-#&/)3-5JK)>&&\$)5/\$)A(1('5,(3).3(\$)J&')+5',(')&'  
@.A+#4)(1(-3F)-B5-5'())533&4#5-(\$)9#-B)-B()@.'@&3()&J)-B()&',5/#P5-#&/F)5'(  
4&/3#\$(('\$)(1(-)@'&\$.4-#&/)(W@(/3(3F)&')(1(-)'(J'(3B%(-3)K))

EKDKI L',5/#P5-#&/3)%57)/&-)3@(/\$F)&'5++&45-(-&-)B(#)'(J'(3B%(-3)45-(&'7)\$.'#/,)

EKNKI \*+&3(\$Y1(/-3)5/\$)24-#1#-(3=)!2>J./(\$3)%57)/&-)A().3(\$J&')(W@(/3(3)'(+5-(\$)-&)5)4+&3(\$)(1(/-k)8#"(9#3(F)!2>)J./(\$3)%57)/&-)A().3(\$J&')54-#1#-(3)&J)&' ,5/#P5-#&/3)-B5-)'(3-'#4-)%(%A('3B#@k)

EKNKIKH \*+&3(\$)(1(/-3)5'(\$J#/(5)53)54-#1#-(3)&')(1(/-3)-B5-)'(/&-)&@(/)-B(!"#\$\$%&'()4&%%. /#-7)&' )-B5-)#%#-)#5--(/\$5/4()-&)4('5-#/#/#\$1#\$.5+3)&' , '& . @3k)2\$#\$-#&/5+7F)#J5/)(1(/-)&' )54-#1#-7)#3)/&-)5\$1('5-3(\$)-&)-B(!"#\$\$%&'()4&%%. /#-7)5-)+(53-)&/()9((")@'#&'F)-B)(1(/-)#3)5.-&%5+45+7)4&/3#\$(('\$)5)4+&3(\$)(1(/-k))

EKNKIKD </-'X\*+533)\*&. /4#)5' )(W(%@-J)'&%-B#3)@&+#47)#J).3#/,)-B(4+533)A.\$, (-k))

EKO !@('5"(')?&+#47)

EKOKD !@('5"(')>((3=>./\$#/,J&')5)3@('5"('b3)J((3F)544&%%&\$5-#&/3F)% (5+3F)5/\$V&')- '5/3@&'5-#&/)9#++/&-)A(5++&45-(\$)-&)5/)&' ,5/#P5-#&/b3)A.\$, (-k)2/)&' ,5/#P5-#&/)3B& .+\$)5@+7)-&)-B(!@('5"('3)6.'(5.)J&')4&X3@&/3&'3B#@k)

EKOKI !@('5"(')S(4(@-#&/3=L',5/#P5-#&/3)%57)5++&45-()J./\$#/,)#/-B(#)A.\$, (-)J&')'(4(@-#&/3)J&')3@('5"('3k):B#3)-7@()&J)(W@(/3)3B& .+\$)A(4B5',(\$)-&)-B(Y1(/-)?'&\$\$.4-#&/)45-(, &'7k)!@('5"(')'(4(@-#&/3)% .3-)A()&/)45% @.3F)45-'(A)7)?'&\$%&'()\*+&,( )U#/#/,)!('1#4(3F)5/\$)&@(/)-&)-B(/-#)!"#\$\$%&'()4&%%. /#-7k)

EKOKM !@('5"(')Z(5+3=L',5/#P5-#&/3)%57).3(!2>)J./(\$3)-&)-5" )5)3@('5"(')&JJ)45% @.3)J&')5)% (5+k)R@-&)(# ,B-^T)3-.\$(/-3)%57)544&%% @5/7)5)3@('5"(')&5)% (5+5/\$)(54B)%57)3@(/\$).@-&)^DGkGG)&/)J&&\$)5/\$)/&/5+4&B&+#4)A(1('5, (3F)(W4+.\$#/,)-5W)5/\$)-#@k)!2>)J./(\$3)%57)/&-)A().3(\$)-&@. '4B53()&' )(#%A.'3(J&')-B()@. '4B53()&J)5+4&B&+#4)A(1('5, (3)5-5)3@('5"('b3)% (5+k))

EIQ ?.A+#4#-7)YW@(/3()?)&+#47)

EIQKD L',5/#P5-#&/3)45/)#/#-.)@-&)DN)4&@#(3)@(')(1(/-F).3#/,)#/#-)!('1#4(3k)

EIQKI !02)9#++@'&1#\$(J./\$#/,J&')%&3-)(1(/-@#/#-)&aA3F)#/4+.\$#/,)+5', )@&3-( '3)J'&% )Z(\$#5)!('1#4(3)

EIQKM 6&&" +(-3F)@5% @B+(-3F)+5%# /5-#/,F)(-4kF)9#++A()4B5', (\$)-&)-B()&' ,5/#P5-#&/b3)A.\$, (-)

EKT Z(%A('3B#@VY/-'7)>((3)?&+#47)

EKTkd !2>)J./(\$3)%57)/&+7)A().3(\$)-&)@57)J&')% (%A('3B#@V(/-'7)J()@. '4B53(\$)#/-)-B(/5% )&J)5/)&' ,5/#P5-#&/)&' )4+.AF)/&-)5/)#/#\$1#\$.5+3-.\$(/-k)2/7)&' ,5/#P5-#&/)% (%A('^3)9B& )9#++A(/(J#)J'&% )5)% (%A('3B#@V(/-'7)J()A(7&/)\$)-B(545\$(%#4)7(5')%57)A()3.Aa(4-)&)@5'-#5+)@57% (/)-&J)-B(J(k))

EKE </\$.4-#&/)\*('(%&/#(3)?&+#47)

EKEkd !2>)J./(\$3)%57)/&-)A().3(\$)-&)@57)&' )(#%A.'3(J&')#/\$.4-#&/)4('(%&/#(3)

EKHG 2-B+(a54)0Tn)S(1['1(\$)#&)-B7Tn)Q&&#47)S-2(4)-1(&)-1(%))-1<28>-1(\$)-1-1<2&)-1(@)-1(#)-1(\$)-1(3)-1<29>-

EKHGkd !2>)J./(\$3)%57)/&-)A().3(\$)-&)@57)&' )(#%A.'3(J&')-B()@. '4B53()&J)#/#\$1#\$.5+5)F)&' )3#/,+().3(F)5-B+(-#4), (5')-B5-9#++A().3(\$)A7)5/\$V&')A(4&%( )@('3&/5+)&@33(33#&/3)&J)5/)&' ,5/#P5-#&/)4+.A)% (%A('3)

EKHGKI !2>)J./(\$3)%57)A().3(\$)-&)@57)&' )(#%A.'3(J&')-B()@. '4B53()&J)@&' -(4#1(), (5')5/\$)' ([.#'(\$)4-&-B#/,)#-(%3)-B5-45/)'6717-1567Tff(!2)1(>))-1(J)-1(/\$3)-1<29>-1(% )1(57))-1(/



EKHIKQ <J)5)3- . \$( / - ) \$ & ( 3 ) / & - ) B 5 1 ( ) - B ( ' ( 3 & . ' 4 ( 3 ) - & ) # / 4 . ' ) 3 . 4 B ) ( W @ ( / 3 ( 3 F ) - B ( 7 ) % 5 7 ) 3 . A % # - )  
5 / ) 5 @ + # 4 5 - # & / ) - & - B ( ) ! - . \$ ( / - ) 2 4 - # 1 # - 7 ) > # / 5 / 4 # 5 + ) 2 # \$ ) > . / \$ ) ^ ! 2 > 2 \_ J & ' ) J . / \$ # / , )  
)

EKHM J ( ( " ( / \$ ) : ' # @ ) ? & + # 4 # ( 3 )

EKHMKD J ( ( " ( / \$ ) - ' # @ 3 ) 5 ' ( ) - ' # @ 3 ) - B 5 - ) 3 - 5 ' - ) 5 J - ( ' ) 4 + & 3 ( ) & J ) A . 3 # / ( 3 3 ) & / ) 5 ) > ' # \$ 5 7 ) 5 / \$ ) ( / \$ )  
A ( J & ' ( ) % # \$ / # , B - ) & / ) ! . / \$ 5 7 ) & J ) - B ( ) 3 5 % ( ) 9 ( ( " ( / \$ K ) : B ( 3 ) - ' # @ 3 ) . 3 . 5 + 7 ) + 5 3 - ) & / ( ) & ' )  
- 9 & ) \$ 5 7 3 ) 5 / \$ ) 4 & / - 5 # / ) & / ( ) & ' ) - 9 & ) & 1 ( ' / # , B - 3 K )

EKHMKI : ' 5 / 3 @ & ' - 5 - # & / F ) + & \$ , # / , F ) 5 / \$ ) 5 3 3 & 4 # 5 - ( \$ ) J ( ( 3 ) % 5 7 ) A ( ) @ 5 # \$ ) . @ ) - & ) H G G h ) J & ' )  
9 ( ( " ( / \$ ) - ' # @ 3 K ) 6 d > ' ( 3 ( ' 1 ( 3 ) - B ( ) # , B - ) - & ) 5 @ @ ' & 1 ( ) + ( 3 3 ) - B 5 / ) H G G h ) & J ) J . / \$ # / , ) # J )  
- B ( ) ( W @ ( / 3 ( ) # 3 ) \$ ( ( % ( \$ ) - & & ) ( W @ ( / 3 # 1 ( )

EKHN \* & / J ( ' / 4 ( ) ? & + # 4 7 )

EKHNKD YW @ ( / 3 ( 3 ) ' + 5 - ( \$ ) - & ) 4 & / J ( ' / 4 ( 3 ) + & 4 5 - ( \$ ) # / ) - B ( ) C & ' - B ( 5 3 - ( ' / ) R / # - ( \$ ) ! - 5 - ( 3 ) ^ 9 # - B # / )  
D G G ) % # ( 3 ) & J ) ! 5 ' 5 - & , 5 ) ! @ ' # / , 3 F ) C f \_ ) 5 / \$ ) & 4 4 . ' ) & 1 ( ' ) 9 ( ( " ( / \$ 3 ) J & + & 9 ) - B ( ) 3 5 % ( )  
& + # 4 # ( 3 ) 5 3 ) J ( ( " ( / \$ ) : ' # @ 3 ) ^ H Q K D \_ )

EKHNKI ! 2 > ) J . / \$ 3 ) % 5 7 ) A # - ) A ( ) . 3 ( \$ ) - & ) @ 5 7 ) J & ' ) % & ' ( ) - B 5 / ) Q N h ) & J ) - B ( ) ( W @ ( / 3 ( 3 ) ' + 5 - ( \$ ) - & )  
4 & / J ( ' / 4 ( ) - B 5 - ) + 5 3 - ) % & ' ( ) - B 5 / ) - B ' ( ( ) \$ 5 7 3 ) 5 / \$ V & ' ) 5 ' ( ) / & - ) B ( + \$ ) & 1 ( ' ) 9 ( ( " ( / \$ 3 K )  
! - . \$ ( / - ) 5 - - ( / \$ ( 3 ) 5 ' ( ) ' ( 3 @ & / 3 # A + ( ) J & ' ) @ 5 7 # / , ) - B ( ) ' ( % 5 # / # / , ) D N h ) \$ # J J ( ' / 4 ( F ) 5 / \$ )  
% . 3 - ) 3 . A % # - F ) & ' ) @ ' & 1 # \$ ( ) @ ' & & J ) & J ) J . / \$ 3 ) J & ' F ) - B ( # ' ) 4 & / - ' # A . - # & / ) @ ' # & ' ) - & ) 3 @ ( / \$ # / , )  
! 2 > ) J . / \$ 3 K )

EKHNMK 2 / ) & ' , 5 / # P 5 - # & / ) % 5 7 ) ' ( [ . ( 3 - ) J . / \$ # / , ) J & ' ) & / ( ) 4 & / J ( ' / 4 ( ) @ ( ' ) 3 ( % ( 3 - ( ' )

EKHNNK L ' , 5 / # P 5 - # & / 3 ) 9 # - B ) % ( % A ( ' 3 ) - B 5 - ) 5 - - ( / \$ ) 5 / / . 5 + 4 & / J ( ' / 4 ( 3 F ) & ' ) \$ # J J ( ' ( / - )  
4 & / J ( ' / 4 ( 3 ) ( 5 4 B ) 7 ( 5 ' F ) % . 3 - ) ( / 3 . ' ( ) - B 5 - ) - B ( ) 3 5 % ( ) 3 - . \$ ( / - 3 ) 5 ' ( ) / & - ) 5 - - ( / \$ # / , ) ( 1 ( ' 7 )  
7 ( 5 ' ) # J ) & - B ( ' ) & ' , 5 / # P 5 - # & / ) % ( % A ( ' 3 F ) & ' ) % ( % A ( ' 3 ) & J ) - B ( ) ! " # \$ % & ' ( ) 4 & % % . / # - 7 F ) 5 ' ( )  
# / - ( ' ( 3 - ( \$ ) # / ) 5 - - ( / \$ # / , ) 5 / 7 ) & / ( ) 4 & / J ( ' / 4 ( K )

EKHNNK ! 0 2 ) & ' ) L 8 2 ) B 5 1 ( ) - B ( ) 5 . - B & ' # - 7 ) - & ) ( / 3 . ' ( ) & ' , 5 / # P 5 - # & / 3 ) 3 ( / \$ ) \$ # J J ( ' ( / - 3 - . \$ ( / - 3 ) - & )  
4 & / J ( ' / 4 ( 3 ) ( 1 ( ' 7 ) 7 ( 5 ' F ) # J ) ( # - B ( ' ) J # / \$ ) - B 5 - ) - B ( & ' , 5 / # P 5 - # & / 3 ) 5 ' ( ) / & - ) 5 A # \$ # / , ) - & )

EKHQKI ! 2>)J. / \$3%57)/&-)A(. 3(\$)-&@57)J&')%&'(-B5/QN h)&J)-B()(W@(/3(3)'(+5-(\$)-&)  
3('1#4(-'#@3K)!-. \$(-/5--(/\$(3)5'())'(3@&/3#A+(J&')@57#/,)-B()(%5#/#/,)NG h)  
\$#JJ('(/4(5/\$)% .3-3.A%#-F&')@'&1#\$( )&&J&J)J. / \$3)J&')-B(#)4&/-#A. -#&/)'#&'  
-&)3@(/\$#/,)! 2>)J. / \$3K)

EKHT 2 \$1#3&'F)\*&54BF5/\$)</3-' .4-&' ] 5, (F)!-#@(/\$F)5/\$)YW@(/3)?&#47)  
EKHTKD ! 2>)J. / \$3%57)A(. 3(\$)-&@57)J&')5/)5\$1#3&'F)4&54BF5/\$)#/3-' .4-&')  
4&%@(/35-#&/F)9#-B)5@'&15+)&J)6 d>)\*&%%#--( )5/\$)L 8 2K)  
EKHTKI 2 \$1#3&'3F)4&54B(3F)5/\$)#/3-' .4-&'3)%57)5\$1#3(&' ,5/#P5-#&/3)&/)J#5/4#5+)%5--('3F)  
A.-)%57)/&-)%5"()J#5/4#5+5@'&15+3)&'4&/\$. 4-)J#5/4#5+)-'5/354-#&/3)&/)A(B5+J)  
&J)-B(&' ,5/#P5-#&/F)! 0 2F&')! "#\$%&'()\*+&,(, (K)  
EKHTKM ! 2>)J. / \$3%57)/&-)A(. 3(\$)-&@57)J&')@('3&/5+)(W@(/3(3)#/4. ''(\$A7)J54. +-7F)  
3-5JJF&')4&%% . /#-7)5\$1#3&'b3)(W@(/3(3)  
EKHTKMKH)YW4(@-#&/3)-&)-B#3)&#47)5'(), '5/-(\$A7)-B()6 d>)\*&%%#--( )5/\$)L 8 2)#J)  
5/)5\$1#3&'b3)5--(/\$5/4(-&)5/)(1(-F)4&/J('(/4(F&')-#)#3)'[. #'(\$K)

EKHE !-. \$(-/ ) 5, (3) d)!-#@(/\$)?&#4#(3)  
EKHEKD L' ,5/#P5-#&/3)%57)/&-)@57)9 5, (3)&'@'&1#\$(3-#@(/\$3)-&)-B(#)%(%A('3)9#-B)  
J. / \$3)5+&45-(\$)J'&)-B(! 2>K)  
EKHEKI L' ,5/#P5-#&/3)%57)/&-)@57)9 5, (3)&'@'&1#\$(3-#@(/\$3)-&)/&/X%(%A('3)-.\$(-/3)  
9#-B)J. / \$3)5+&45-(\$)J'&)-B(! 2>)9#-B&.-)5)15#\$(W(4.-(\$)4&/- '54-K)  
EKHEKIKH)L' ,5/#P5-#&/3)%57)@57)/&/X%(%A('3)-.\$(-/3). @-&)'DN@(')B&.' )J&'5/7)  
3('1#4()@'&1#\$( )^#K(KF), '5@B#4)\$3#, /F)\$aF)(1(-)@'&\$ . 4-#&/F)(-4K\_ )  
EKHEKIKD)\*&/-'54-3)A(-9((/5/)&' ,5/#P5-#&/5/\$)5)/&/X%(%A('3)-.\$(-/)% .3-)  
&. -#/( )-B(3('1#4(3F)\$(#1('5A+(3F)5/\$)B&.' 3)9&' '\$)-B5)-B(3-.\$(-/9#++ )  
4&%@+(-()J&')-B(&' ,5/#P5-#&/)  
EKHEKIKI : B() ; ?>2)5/\$)L 8 2)B51()-B(3&+()\$#34'(-#&/)-&)\$4#\$( )9B(-B(')-B()  
&%/(-5'7)5/\$)4&/-'54-. 5+5, '( ( ( / -)A(-9((/5/)&' ,5/#P5-#&/5/\$)/&/X  
%(%A(')3)5@'&@'5-( )5/\$)B51()-B( )5. -B&'#-7)-&5\$A. 3)-B(4&/-'54-. 5+ )  
-( '%3K)

EKDG !. %%( )!@(/\$#/,)?&#47)  
EKDGKD ! 0 2)J#5/4#5+)&@('5-#&/3)(/\$)&/)-B(+53-\$57)&J)4+533(3)&J)-B(>5+5/\$)!@'#/ , )  
3(%(3-('3K)L' ,5/#P5-#&/3)-B5-)9#3B)-&). 3(! 2>)J. / \$3)\$ . '#/ , 3. %%( )A('5" F)% .3- )  
, (-)5@'&15+J'&)% 6 d>)\*&%%#--( )5/\$)L 8 2K)  
EKDGKI : B(! (/#&')\*+533</-'X\*+533)\*& . /4#)#3)5/)(W4(@-#&/)J'&)-B#3)&#47)#/)-B()  
!@'#/ , 3(%(3-('5/\$)45/)45'7)&.-)J#5/4#5+)&@('5-#&/). /-#)\*&%%(/4(%(-/K)  
)

HG(KG))))S(1(/. ( )?&#47)  
HGKHKH 2/7)&' ,5/#P5-#&/57)B51()'1(/. (-&)3. @+@(%(-)-B)J. / \$#/, )-B()  
&' ,5/#P5-#&/)'(4(#1(3)J'&)-B(! 2>)J&')(1(-/3)5/\$)#/#-#5-#1(3K)S(1(/. ( )  
#/4+. \$(3)%&/ (7)%5\$( )J'&)-B(35+()&J), &&\$3&')3('1#4(3F)-#4" (-)35+(3F)  
%('4B5/\$#3(F)%(%A(')\$ . (3F)A5" (3)35+(3F)(-4K)  
HGKHKHKH)! 0 2)3-'&/ , +7)(/4& . '5, (3)&' ,5/#P5-#&/3)/&-)&)4B5', ()! "#\$%&'(  
3-.\$(-/3)J&')(1(-)5\$%#33#&/K)  
HGKHKHKD)C&/X3-.\$(-/)%(%A('3)&J)-B(! "#\$%&'(&)'!5'5-&, 5)!@'#/ , 3)  
4&%% . /#-7)% .3-A(4B5', (3)J&')(1(-)5\$%#33#&/F#J)-B(1(-/)#3)  
&1(')NG h)J. / \$(A7)! 2>K)

HGKHKD 2++)'(1(/. ( ), (/('5-#/, )&')J. /\$'5#3#/, )54-#1##(3F)A&-B)#/X@('3&/)&')  
&/+#/(V1#'- . 5+F)% . 3-)A()5@@&'1(\$A7)L 8 2)5-)+(53-)&/()^H\_9 ((')A(J&'( )  
5/7)%&/ (7)#3)4&+(4-(\$K)  
HGKHKI S(1(/. ( ), (/('5-(\$)&' )J. /\$'5#3(\$)%57)&/+7)A(). 3(\$)-&)&JJ3(-)-B(4&3-)&J)  
5/)&' , 5/#P5-#&/b3)3@ (4#J#4)(1(/-)&' )#/#-#5-#1(K)  
HGKHKIKH<J)5)'(1(/. ( )' ( [ . #'(% (/ -)#3/ &-)5+' (5\$7)#/4+ . \$(\$)#/5/ )  
&' , 5/#P5-#&/b3)A. \$ , (-)J&' )5)3@ (4#J#4)(1(/-F)-B(-)-B)&' , 5/#P5-#&/ )  
% . 3-)5@@+7)J&' )3@ (4#5+)@ ('%#33#&/)-& ) , (/('5-( )'(1(/. ( )&' )  
J. /\$'5#3(5-)-B5-)(1(/-A7)% ((-#/, )9#-B)-B( )6 d>)\*&%#%-(( )5/\$ )  
L 8 2K)  
HGKHKM 2++)'(1(/. ( )% . 3-)A() '@&'(-)-B'& . , B)! "#\$! 7/4)&' )% ((-#/, )9#-B)-B( ! 0 2 )  
244& . /-5/-)9#-B#/-)-B' ( (^I\_)\$573)&J)4&+(4-#&/K)>5#+ . ' ( )&' '@&'-' (1(/. ( )  
9#++)' (3. +)#/)\$#34#@@+/5'7)54-#&/)5/\$)%57)' (3. +)#/5)J' ( (P( )&J)4+ . A )  
J# /5/4#5+)54-#1##(3K)  
HGKHKMKH) 2++)& . -3#\$ ( )544& . /-3)^#K(K)A5/" )544& . /-3\_5' ( )@ '&B#A#-(\$K)

)  
HHKG S5#3#/, )> . /\$3)J&' )U&/5-#&/)-&)C&/@ '&J#-)L' , 5/#P5-#&/)?&+47)

)  
HHKHKH ! 2>)J. /\$3)%57/ &-)A()5++&45-(\$)&' )@5#\$)\$#'(4-+7)-&)5)4B5'#-7)&' )&-B(' )  
&/@ '&J#-)NGH^4\_^I\_)&' , 5/#P5-#&/K)  
HHKHKD L' , 5/#P5-#&/3F)5/\$)! 0 2F)%57)&/+7)'5#3(5/\$)\$&/5-(J. /\$3)-& )  
&' , 5/#P5-#&/3)' ( , #3-( '\$)53)5/\$ ) , '5/-( \$)NGH^4\_^I\_ )3-5- . 3)9#-B)-B( <S !K )  
HHKHKI <J)5/)&' , 5/#P5-#&/)&' @&\$. 4(3)5/)(1(/-)&' ) . /\$('-5' )3)5/)#/#5-#1( )&' )5#3( )  
J. /\$3)&/)A(B5+J)&J)5)4B5'#-7)&' ) (W-( '/5+ )&/@ '&J#-)&' , 5/#P5-#&/F#)-% . 3- )  
' (#%A. '3(5++&@ ('5-#&/5+4&3-3)#/4. '' (\$)-&' )5#3(-)-B&3(J. /\$3)A(J&' ( )  
3. A%#-#/, ) (B)\$&/5-#&/K) 2J-( '5++)(W@ ( /3(3)5' ( )@5#\$)A54'' )5/)' (4&/4#(\$ )  
A7)L 8 2F)-B( )' (%5#/#/, )@ '&J#-)J' &% )-B( ) (1(/-)&' )#/#5-#1( )%57)A( )  
\$&/5-(\$K)  
HHKHKIKHL' , 5/#P5-#&/3)5' ( )@ ('%#--(\$)-&)B&+\$)kA. 4'' (-)\$#1 (3b)53)@5'-)&J)5/ )  
(1(/-)&' )#/#5-#1( )&' )5#3(J. /\$3)J&' )-B( )4B5'#-7V/&/@ '&J#- )  
&' , 5/#P5-#&/K) : B(J. /\$'5#3#/, ) (JJ&' -3)%57/ &-)A( )-B( )%5#/ )  
@ . '@&3(F)&' )5\$1 ('-#3(\$F)53)-B( ) (53&/)J&' )-B( ) (1(/-)&' )#/#5-#1(K)  
HHKHKM Y1(/-3)-B5-)'5#3(J. /\$3)J&' )\$&/5-#&/)% . 3-)A()@' %&&-(\$V5\$1 ('-#3(\$)53)3. 4B )  
5/\$)#/4+ . \$ ( )\$ . 45-#&/5+)&' @& , '5%3)5A& . -)-B( )4B5'#-7)&' )&/@ '&J#-F)5/\$)-B( )  
3('1#4(3)#-)&' )1#\$ (3K)  
HHKHKN L' , 5/#P5-#&/3)%57/ &-)'5#3(J. /\$3)J&' )&' )\$&/5-( )4&+(4-(\$)J. /\$3)-& )  
&@+##45+)45/\$#\$5-(3)&' )@&##45+)@5'-#(3K)  
HHKHKO !- . \$ (/ -)&' , 5/#P( ' )&J)J. /\$'5#3#/, )J&' )\$&/5-#&/)(1(/-3)%57/ &-)' (4(#1( )5/7 )  
@57% (/ -)J' &% )-B( )4B5'#-#(3F)&' )&/@ '&J#-F)J&' )9B#4B)-B( )5' ( )'5#3#/, )  
J. /\$3K)

\*

**9!"# 1822)% / %&:( )\*+8&3,&4\***

! 0 2) . /\$('3-5/\$3)-B5-)&' , 5/#P5-#&/3)5' ( )&-)5+9573)5A+(-)&@+5/)(1('7)(W@ ( /3( )5/\$)-B( ' )  
5' ( )3&% (-#% (3) . /J&' (3( (/)(W@ ( /3(3)&' ) / (9)#/#5-#1(3)5/)&' , 5/#P5-#&/)45/)#/4. 'K)>&' )  
-B&3( ' (53&/3F)! 0 2)' (3('1(3)%&/ (7)(54B)7(5')#/-)-B( )?'& , '5% )! . @&&' -> . /\$K)

HDKH 0 (/('5+)?'&4(33)5/\$)?'&4(\$.'(3-)L',5/#P5-#&/3)%57)'([.(3-)5)3.@@+(%(/-5+)A7)  
4&%@+(-#/,-)B()&/#/( )5@@+45-#&/)-B#'-7)^IG\_)\$573)@'#&'&)-B()(1(/-V#/#-#5-#1(K))

)

HDKHHH 6 d>)\*&%%#--(( )9##+4&%% ./#45-( )5/\$)3(-. @)5)%((-#/,)-#% ( )9#-B)-B()  
'([.(3-#/,)&',5/#P5-#&/)&')#/\$#1#\$ .5+K)

HDKHKD 2++)3.@@+(%(/-5+)'([.(3-3). /\$(')`HGGGIGG)9##+A()5@@ '&1(\$A7)-B()6 d>)  
\*&%%#--((K)L',5/#P5-#&/3V#/\$#1#\$ .5+3)9##+A()&-#J#(\$ )9#-B#/)5)  
'(53&/5A+()-#% ( )5J-(')%((-#/, )9#-B)-B()6 d>)\*&%%#--(