

(Work In Progress)

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!G d P c e P ced e } De e Ne F T e Teac Fac

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, # \$ - ! . / # ' ! 0 ' (& ' # 1 2 ! 3 4 5 6 ! 7) 8 (1 0 ' / - / * 2 4 9 / ! : ' (& ' # 1 ! ; / 9 4 / 3 ! (' ! < * *) # 5 !
: ' (& ' # 1 ! ; / 9 4 / 3 ! > - / ! ' / ?) / 2 7 ! @ (' ! # ! @) 5 5 A 7 4 1 / ! @ # \$) 5 7 . ! 0 (2 4 7 4 (* ! 3 4 5 6 ! 7 / ! 0 # ' 7 ! (@ 7 - / ! 0 ' (& ' # 1 !
' / 9 4 / 3 ! 0 ' (\$ / 2 2 ! # * + ! 2 - () 5 + ! 6 / ! \$ (' ' (6 (' # 7 / + ! 6 . ! 7 - / ! @ * + 4 * & 2 ! (@ 7 - / ! ' / 9 4 / 3 ! B 7 ! 4 2 ! / C O / \$ 7 / + ! 7 - # 7 !
5 5 ! @ # \$) 5 7 . ! 0 (2 4 7 4 (* 2 ! 3 4 5 6 ! \$ (* 7 ' 4 6) 7 / ! 7 (! 7 - / ! \$ (5 5 / & / 0 2 ! / ?) 4 7 . ! & (# 5 2 = !!!

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: ' 4 * \$ 4 0 5 / 2 !!

! > - / ! @ (5 5 (3 4 * & ! \$ ' 4 7 / ' 4 # ! 3 4 5 6 ! / !) 2 / + ! 7 (! 0 ' 4 (' 4 7 4 E / ! ' / ?) / 2 7 2 ! @ (' ! * / 3 ! @ # \$) 5 7 . F !!

1. : ' (& ' # 1 ! G # * + # 7 / 2 F ! > - / ' / ! 4 2 ! # ! 1 # * + # 7 / ! 6 . ! # * ! () 7 2 4 + / ! / * 7 4 7 . ! H / = & ! # * !
\$ \$ ' / + 4 7 # 7 4 (* ! # & / * \$. ! (' ! 2 7 # 7 / ! ' / &) 5 # 7 4 (* 2 ! 1 7 - # 7 ! + 4 \$ 7 # 7 / 2 ! 7 - / ! * / / + ! @ (' ! # ! @) 5 5 A 7 4 1 / !
@ # \$) 5 7 . ! 0 (2 4 7 4 (* = !!!
2. : ' (& ' # 1 ! J 4 # 6 4 5 4 7 . F ! > - / ! @ # \$) 5 7 . ! ' / ?) / 2 7 ! 0 ' (\$ / 2 2 ! 2 - () 5 + ! * / 9 / ' ! 6 / !) 2 / + ! 7 (! \$ ' / # 7 / ! (' !
+ 4 2 \$ (* 7 4 *) / ! # ! 0 ' (& ' # 1 ! < ! @) 5 5 A 7 4 1 / ! 0 (2 4 7 4 (* ! 4 2 ! * / \$ / 2 2 # ' . ! @ (' ! 7 - / ! 9 4 # 6 4 5 4 7 . ! (@ # !
0 ' (& ' # 1 K !!
3. , * ' (5 5 1 / * 7 ! L / 1 # * + F ! > - / ' / ! 4 2 ! + / 1 (* 2 7 ' # 7 / + ! / * ' (5 5 1 / * 7 ! + / 1 # * + ! # * + ! 2) 6 2 7 # * 7 4 # 5 !
' / 5 4 # * \$ / !) 0 (* ! 0 # ' 7 A 7 4 1 / ! 4 * 2 7 ') \$ 7 (' 2 ! 7 (! 1 / / 7 ! 7 - # 7 ! + / 1 # * + = !
. M # \$) 5 7 . ! N (' % 5 (# + F ! 8) ' ' / * 7 ! @ # \$) 5 7 . ! * (* A 4 * 2 7 ') \$ 7 4 (* # 5 ! 3 (' % 5 (# + ! ! H / = & ! ' / 2 0 (* 2 / 2 ! 7 (!
2 7 # 7 / ! 1 # * + # 7 / 2 0 ! 0 # ' 7 * / ' 2 - 4 0 2 ! 3 4 7 - ! () 7 2 4 + / ! / * 7 4 7 4 / 2 0 ! / * & # & / 1 / * 7 ! 3 4 7 - ! & ' # * 7 A
@) * + / + ! 0 ' (P / \$ 7 2 0 ! / 7 \$ = ! * / \$ / 2 2 4 7 # 7 / 2 ! # * ! # + + 4 7 4 (* # 5 ! - 4 ' / = ! ! !
. 8 (* 7 / * 7 ! , C O / ' 7 4 2 ! / Q # O F ! < ! * / 3 ! - 4 ' / ! 3 () 5 + ! @ 5 5 ! # ! & # 0 ! 4 * ! \$ (* 7 / * 7 ! / C O / ' 7 4 2 / 0 !
4 * \$ ' / # 2 4 * & ! 2 7) + / * 7 ! ' / 7 / * 7 4 (* 0 ! / * ' (5 5 1 / * 7 ! & ' (3 7 - 0 ! # * + ! (9 / ' # 5 5 ! ?) # 5 4 7 . ! (@ # !
0 ' (& ' # 1 = !
. : ' (& ' # 1 ! , C O # * 2 4 (* F ! > - / ' / ! # ' / ! (0 0 (' 7) * 4 7 4 / 2 ! @ (' ! 0 ' (& ' # 1 ! / C O # * 2 4 (* ! H / = & ! * / 3 !
\$ () ' 2 / 2 0 ! \$ / ' 7 4 @ \$ # 7 / 2 0 ! + / & ' / / 2 0 ! / 7 \$ = ! 1 7 - # 7 ! \$ # * ! (* 5 . ! 6 / ! # \$ - 4 / 9 / + ! 3 4 7 - ! # ! * / 3 ! @) 5 5 A 7 4 1 / !
0 (2 4 7 4 (* = !
. , 1 / ' & / * \$. ! R 4 ' / F ! > - / ' / ! 4 2 ! # * ! M > , ! # 9 # 4 5 # 6 5 / ! 7 - # 7 ! \$ # * ! 6 / ! @ 5 5 / + 1 6 . ! 7 - / ! 8 (5 5 / & / !
: ' / 2 4 + / * 7 ! 4 * ! \$ (5 5 / & 4 # 5 ! \$ (* 2) 5 7 # 7 4 (* ! 3 4 7 - ! 7 - / ! < \$ # + / 1 4 \$! S / * # 7 / ! : ' / 2 4 + / * 7 = !

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3. >-/!J4\$/!: '/24+/*7!3455!@(' 3#'+!7-!' /?) /27!7(!7-!/: '/24+/*7!2!\$#64* /7!@('!
\$(*24+/' #74(*=!!
>-/!\$(55/&!/: '/24+/*7!3455! 1 #%/!7-!/@*#5!+/\$424(*!(*!7-!' /?) /27!6#2/>+!(*!
+42\$) 224(*!#7!7-!/\$#64* /7! 1 //74*&=!!

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>-/' /!#'/!\$)' / *75. !H_#*)#'. !V]VUI!` ``!<+ 1 4*427' #749!/O(2474(*2!#7!7-!/\$ (55/&/=J#\$\$*\$/2!
#' 42/!#2!#!' /2)57!(@' /24&*#74(*2!('!' /74' /1 / *72=N-/*!#9#\$\$*\$. !# '42/207-!/M)55!>41 /!
, ?)49#5/*7!HM>, !#22(\$#7/+!347-!7-#7!O(2474(*!2-())5+!6/!\$(*24+/' /+!#2!' /7)' *4*&!7(!7-!/
&/' /' #5!O((5!(@#9#45#65!/M>, 2!@('!#+ 1 4*427' #749!/O(2474(*2!>-!/@(55(34*&!&)4+4*&!
O' 4*\$405/2!2-())5+!6/!\$(*24+/' /+!3-/*!#1!@554*&!#9#\$\$*7!O(2474(*!('!6!!' /#74*&!#!*/3!
O(2474(*=!

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: '4*\$405/2!!

1. : ' (& # 1 !G#* + #7/2F!B* +4\$#74(*!6. !#*!) 724+ /!/*747. !H/=&=#*!#\$\$' /+47#74(*!#&/*\$. !
(' !27#7/' /&)5#74(*2!7-#7!#*!#+ 1 4*427' #749!/O(2474(*!42!' /?)4' /+!@('!7-!/
>-/!J4\$/!: '/24+/*7!3455!@(' 3#'+!7-!' /?) /27!7(!7-!/: '/24+/*7!2!\$#64* /7!@('!
\$(*24+/' #74(*=!!
>-/!\$(55/&!/: '/24+/*7!3455! 1 #%/!7-!/@*#5!+/\$424(*!(*!7-!' /?) /27!6#2/>+!(*!
+42\$) 224(*!#7!7-!/\$#64* /7! 1 //74*&=!!

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c ace !!

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>-/!@55(34*&!0'4*\$405/2!#*+!0'(\$/+)' /2!2-()5+!6/!)2/+!7(!\$/#7/#!946' #*7!\$(55/&/!
\$(11)*47.!7-#7!0'(94+/2!\$(*9/*4/*7!#\$\$/22!@('!27)+/*72!7(!@#)\$57.027#@0!#+14*427'#7('20!
#*+!\$#10)2!' /2(')\$ /2=!!

: '4*\$405/2!!

1. S7)+/*7!#\$\$/22!!
2. G#C414E/!)2#&/!!
3. 8(11)*47.!6)45+4*&!!
- . S/*2/!(@6/5(*&4*&!!
- . R.6'4+!3('%4*&!!

: '(\$/+)' /2!!

1. M#\$)57.!(@4\$/!20#\$/2!#'/!#55(\$#7/+!6.!7-!/!L49424(*!L/#*≠M)55A741 /!@#\$)57.!3455!6/!
0'(94+/+!347-!#!0'49#7/!(@4\$/≠J#\$\$*7!(@4\$/2!2-()5+!6/!2/7!#24+/@('!'(7#74(*#5!
)2/!H6#2/+!(*!#!' /2/'9#74(*!2.27/1!\$/#7/+!6.!7-!/!L49424(*2!@('!0#'7A741 /!
@#\$)57.≠L49424(*!#+14*427'#749/!#22427#*72!3455!1#*#&/!7-/?)#'7/'5.!#55(\$#74(*!@
0#'7A741 /!@#\$)57.!(@4\$/2=!!
2. 85#224@/+!27#@1 /16/'2!3455!6/!0'(94+/+!#!(*@4\$/!20#\$/!H+/2%0\$)64\$5/0('!
0'49#7/!(@4\$/!14*!7-/) *47!3-/' /!7- /4'!3 ('%!42!#224&*/+≠>-/!2)0/'942('!(@7- /!
\$5#224@/+!27#@1 /16/'!42!' /20(*2465/!@('!4+/*74@.4*&!#*+!#55(\$#74*&!#*!
#00'(0'4#7/!(@4\$/!20#\$/≠!
3. <+14*427'#7('2!3455!6/!0'(94+/+!#!0'49#7/!(@4\$/!4*!#!#'/#!347-4*!7- /!94\$4*47.!(@
7- /!H2(1 /7-4*&!7-#7!2#.2===\$5(2/!7(!3-/' /!7- /4'!0'41#'.!P(6!' /20(*24645474/2!#'/!

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B b d e e !!

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<55!0' (&' # 1 2!\$(1 05/7!/47-/'!#*!<**) #5!:' (&' # 1!; /94/3!(!#!8(1 0' /-/*249/!:' (&' # 1!
; /94/3!/#\$-!./#-!<2!0# 7!(@7-/'!<b8!:' ; !0' (\$/22!0' (&' # 1 2!345!#52(!\$(1 05/7/!#")+&/7!
; /?) /27!M(' 1 2!>-/'!@(' 1 2-()5+!6/!)2/+!7(!' /?) /27!* /3!47/1 2!H/?)40 1 / *7!2(@73# /! /7\$-!<
>-/'! * //+!@('!7-42!47/1 !2-()5+!6/!4+/*74@/+!#*+!' /@/' / * \$ /+!4*!7-/'!:' (&' # 1!; /94/3!#*+!1)27!
6/!#54&* /+!347-!7-/'!8(55/&!D2!S7' #7/&4\$!J424(*!@('!, ?)47. 2!!

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M4*#*\$!/!<55(\$#74(*!>/# 1 !HM<>L!!

- ! J4\$/!:' /24+/*7!M4*#*\$!/!#*+!<+ 1 4*427' #749/!S/' 94\$/2!!
- ! <22(\$4#7/!J4\$/!:' /24+/*7!N(' %@(' \$/!#*+!8>, !:' (&' # 1 2!!
- ! M4*#*\$4#5!<*#5. 27!!
- ! MMa, !8(('+4*#7('!!
- ! X@!\$/!S/' 94\$/2!S)0/' 942('!!

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M<>!3455! /94/3!7-/'! /?) /272=B@7-/'! /?) /27!42!#00' (9/+!7-/'!M<>!3455!4+/*74@. !#!6)+&/7!7(!
@) *+!7-/'! /?) /272!!

: '4*\$405/2!!

1. S7)+/*7!*//+F!; /?) /27!\$(*7' 46)7/2!7(!7-/'!#+9#*\$ / 1 / *7!(@27)+/*7!5/#' *4*&=!!!
2. B*27')\$74(*#5bS7#@! *//+F!, *#65/2!4*27')\$7(' b27#@7(!2)00(' 7!27)+/*7!2)\$\$/22!#*+!
1 #4*7#4*!+42\$4054*#'. !\$)' / * \$. 2!
3. : ' (&' # 1!; /94/3!F!<\$74(*!47/1 2!4*!7-/'!:' (&' # 1!; /94/3!4+/*74@. !#! * //+!7-#7!3455!
/*#65/!0' (&' # 1 !4 1 0' (9/1 / *7!M#4547#7*21 /47#Q726200. 27/1 2! s 1 06. 563 15. 6541 . 443 15. 6541 .

2. >-/!#+ 1 4*427' #7(!3455!* (74@. !7-!/S 1 #' 72-//7!S. 27/1!<+ 1 4*427' #7(!03 - (!3455!

>, <G!

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<16/'!c#!:4#*#!f5#04#*##16/'g@-+#=/(+)hK!!!!

c#)'#!Q#1/E!f/E5#)'#g@-+#=/(+)hK!!!!

,55/*!_)++!fP)++/55/*g@-+#=/(+)hK!!!!

8-#1)!: #5#*4#00#*!f0#5#*4#00#*\$-#1)g@-+#=/(+)hK!!!!

: -) (*&!>'#!f7'#*0-)(*&g@-+#=/(+)hK!!

G4\$-/55/!i &). /*!f!-/55(V14\$-/g&1#45\$(1hK!!!

S#4*7'#!>-#4!f7-#42#4*7'#g@-+#=/(+)hK!!!

; #1!S)6'#1#*4#1!f2)6'#1#*4#1'#1g@-+#=/(+)hK!!

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