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52728)(2*1234*

9 6 ! 365 : * 5 ; < * ! 28 = k = 2) 4*

> 8 k ? 4 % @ k) \$ * " A * B 4 @) 4 % 8 * C 8) 2 % k " D ** 5 : (" " 3 * " A * ! " 7 7 E 8 k : 2) k " 8 * 5 : k 4 8 : 4 @ * 2 8 = * F k @ " % = 4 % @ *

*

G((k@* : %k)k : 23%4 ? k4H*4I27 k84@*) (4*4?k=48:4*E% "E8=k8' *) (4*J484Ak)@*"A*" "A2: k23*7 \$ "AE8:)k "823*) (4%2#\$* k8* : (k3=%48*Hk) (* "J@)%E:)k?4* @344#* 2#842* KC5LM6* L * 3k)4%2)E%4* @42% : (*%4@E3)4=* k8* A "E%* %434?28)*2%)k : 34@0* k8: 3E=k8 ' * 2*%28=" 7 kN4=* : "8)% "3*)%k230*)H" *%4)% "@#4:)k?4* : (2%)*%4?k4H@0*28=*2* #%"@#4:)k?4* : 2@4* : "8)% "3*E=\$6*L%)k : 34@*H4%4*2##%2k@4=*J2@4=* "8*=4@k '80*74) ("=@0*2823\$@4@*28=* =4' %44* "A* : 3k8k:23* %434?28:46* C?4%2330* 233* @)E=k4@* #%" ?k=4=* 4?k=48:4*) (2)* C 9 G* @ ("E3=* J4* : "8@k=4%4=*2@*28*2=0E8:)*%42)748)*" *28*2=48)"8@k334:)" 7 \$0*H(k: (*k@*) (4* : E%k48)*@)28=2%="A* : 2%4*A" %* 7 " @)* : (k3=%48*Hk) (*C5L6**

**

! "#\$%&' (#)%**

*

CJ@)%E:)k?4* @344#* 2#842* KC5LM* k@*2* : "8=k)k "8*H(4%4*#2%)* "%*233* "A*) (4*2k%H2\$*k@*J3" : P4=* =E%k8 ' * @344#0*4@E3)k8' *k8* 7E3)k#34* (\$# "I k : *4?48)@*) ("E' ("E)* (4*8k' ()*kQ28@2' %2* R*S2E' (80* , - . TM6*C5L *k@* : " 7 7 "83\$=*k2'8" @4=*H(48*) (4* : (k3=* (2@*"84* "%* 7 "%4* (\$# "I k : *4?48)@*28* ("E%0* : " 7 Jk84=* Hk) (* @ \$ 7 #) " 7 @* "A* @344#U=k@ " % = 4%4=* J%42) (k8' * K5FVM* KWEk3347k82E3)*4)* 2360* , - . TX* S k332*4)* 2360* , - . YX* S k3320*

)%42) 748)* "A* C5L6* 5)E=440* H4%4* 3k 7k)4=*) " #4=2k)%k: *
@EJ04:)@K=4A&84=2*2)* "%E8=4%*) (4*2' 4*'A* . -M*H ("H4%4*
8") * "J4@40* 28=2*)k:34*) (2)* 4?23E2)4=*) (4* 4AAk:2:\$* "A*
4I)4%823*2@k@k?4?4?k:4@%k646*28*"%23=4?k:4*H"%8=E%k8' *
@344#H*H4%4I:3E=4=6**

*
F2)2*! "334:k"8*
G(4*%4@E3)*"A*)(4*3k)4%2)E%4*42%:(* \$k43=4=*A"E%*E)E=44@*
(2)*74)*k8:3E@k"8*: %k)4%k2)*"84*%28=" 7 kN4=*: "8k)"3*)k230*
)H"%4)*"@#4:k?4*: (2)*%4?k4H@0*28=*"84*#%"@#4:k?4*:2@4*
:"8)"3*)E=\$6**

2-/'3#/*

, : "8=E:4=* 2* %4)"#4:k?4*
(2)*% %4?k4H* K34?43* "A* 4?k=48:4* d* , !M* =4@k'84=*)" *
4?23E2)4*) (4* k 7#2:)* "A* C 9 G* "8* "%A2:k23* 7E@:34*
H42P84@E* A"33"Hk8' * @E%'k:23* KLRGM* 28=* "%) ("="8)k: *
k8)4%?48)k"8@* A"%* @344#* =k@%'=4%4=* J%42)(k8'6* ! (k3=448*
2'4=*T6e*U*ee*2)*k8k)k23*?k@k*) (2)*74*233*k8:3E@k"8*: %k)4%k2*
28=*H ("@4*: (2)*@* (2=*84:4@2*\$*A"33"HUE#*k8A"7 2)k"8*
H4%4* k8:3E=4=*k8*)(4* @)E=\$*K8* d* , YM6* f "33"Hk8' * LRG*
28=g"%#232)23*4I#28@k"80*#2)k: k#28)*Hk) (%4@k=E23*C5L*
H4%4* %4A4%4=*) " * "%) ("="8)k: :2%4* 28=*)" * C 9 G* . . *
:(k3=%48%4:4k?4=*C 9 G*28=* . T*=k=*8")6**

*
>@4*"A*C 9 G*J*\$@EJ04:)@H2@*=" :E 748)4=2@*:" 7 #34)4=*
2@* #4%*4: " 7 748=2)k"8@* "%*8")*A"33"H4=0* 28=*@EJ04:)@*
H4%4* 4?23E2)4=2)*A"33"HUE#*H"* \$42@*28=*A"E%\$42@*
2A)4%*C 9 G*:2%4*H2@*4% 7 k82)4=6*L33* . T*@EJ04:)@*) (2)*=k=*
8") * %4:4k?4* C 9 G* @("H4=2* %4:E%48:4* "A* C5L*
@\$ 7#)" 7 @6* %8*:"8)2@)0* 233* . . @EJ04:)@*) (2)*:" 7 #34)4=*
C 9 G* A"%*)H"* \$42@* #")@)U@E%'4*\$ 2: (k4?4=* =k=*8") *
=4 7 "8@)2)4*2%4:E%48:4*"A*@ 7#)" 7 @6*

*
G("E' (*) (4%2)k"8234%"#*) (4*E)E=\$*H2@*:342%*28=*) (4*E)E=\$*
=4@k' 8* H2@* H433UA"% 7 E32)4=28=*%4#3k:2J340* #2)k: k#28)*
k8:3E@k"8*: %k)4%k2*H4%4*8") * :3423\$*4I#32k84=6* 1 "H4?40*
A"33"HUE#* "4%*2*3'8'U)4% 7 *%4k"=* H2@*4I)48@k?40* 28=*
"J04:k?4*: " 7 #2)2)k?4?2)2*H2@*:"334:4=2)*42: (*k8*)(4*
A"% 7*"A*2*8") :E)823*#3\$@ "7 8" '%2#(\$*K<5WMO*H(k: (*k@2*
@)%48')(*"A*)(k@E)E=\$*G("E' (*) (4*k8k)k23=k2' 8" @)k: *<5W@*
H4%4*8")?2?k2J34)*"%4?k4H*28=*%4@42%:(4%@* (2=*)"%43\$*
"83\$*8*)(4*%4#"%)*"8A&340*)(4*3'8'U)4% 7 *A"33"HUE#*<5W@*
H4%4* @:"%4=* J\$* 2* @k8'34UJ3k8=4=* @:"%4%*) "2?)"k=*
k8)4%32J"2)"\$*28=*k8)4@:"%4%*?2%k2Jk3k)\$6* c4@E3)*A%" 7 *
<5W@*A%" 7 *@EJ04:)@*H ("* (2=*28=*H ("* (2=*8")%4:4k?4=*
C 9 G* H4%4* : " 7 #2)4=*E@k8' * B k3: "I"8* @k'84=U%28P*)4@*
28=*! (k@EJ2E4=*)4@)6**

*
G("E' (* (2?k8' *3'8'U)4% 7 *A"33"HUE#*=2)2*k@*J484A:k230*k)*
%4JEk4=:(2)@*) "*(2?4*#4: kA:k:k8k)k23*28=*A"33"HUE#*=2)2*
%4#"%4= :3423\$*48'E' (*) "2823\$N46* G(4@4*%4@)k:)k"8@*
%4@E3)4=k8*2@ 7 233*#2)k: k#28)* "%E#0*H(k: (*k@2*3k 7 k)2)k"8*
"A*)(k@E)E=\$* L==k)k"8233\$0* J4:2E@4*=2)2* H2@* "J)2k84=*
A%" 7 *) (%44*=kAA4%48)*3":2)k"8@0* 7 4=k:23%4: "%=@*H4%4*8") *
42@k3\$%4)k4?2J340*3kP43\$*: "8)kJE)k8' *) (4* @ 7 233*8E 7 J4%
"A* #2)k: k#28)*6* G(4@4* =kAA4%48)*3":2)k"8@* : "E3=* (2?4*

:%42)4=2*?2%k2Jk3k)\$k8*)(4*2)2*: "334:k"8*28=*%4@E3)@0*28=*
J4:2E@4* "A*) (k@0*) (4%4* H2@* 23@* "8") * 2* @)28=2%kN4=*
)%42) 748)* #%" : "3* A"33"H4=* J\$*) (4* ?2%k"E@* C 9 G*
@#4:k23k@)@* @448* J\$* #2)k: k#28)@0*) ("E' (2E) ("%"#%4#"%)*
) (2)*#%" : "3@*H4%4* @k 7 k32k6*LE) ("%"@23@*2)4*) (2)*"83\$*
) ("@4*: (k3=%48*)(2)*: " 7 #3k4=*Hk) (*) (4k%*C 9 G*#%") : "3@*
H4%4*k8:3E=4=*k8*)(4* C 9 G* "%E#6**

*
C?4%2330*) (k@* @)E=\$* #%" ?k=4@* @E' '4@)k?4* 4?k=48:4*) (2)*
C 9 G* 7 2\$* J4* 2* E@4A3*)%42) 748)* (2)* @k'8kA:k:28)3\$*
=4:k42@4@%k@P*"A*)(4*%4:E%48:4*"A*C5L*k8*: (k3=%48*#")@)U
2=48")"8@k334:)" 7 \$6**

*
4?23E2)4=*) (4*4AAk:2:\$* "A"% "#(2%\$8' 423*
4I4%:k@4@k8*: (k3=%48*Hk) (*C5L*2A)4%*LRG*J\$*: "8=E:)k8' *
2* %28=" 7 kN4=*: "8)"3*)%k23* K34?43* "A* 4?k=48:4* d* . M6*
! (k3=%48* k8:3E=4=*k8*) (k@E)E=\$* H4%4* 2'4=* Y6Y* h* [6e6*
! k8k:23* (k@) "%\$* H2@* "J)2k84=*A"%* 233* #2)k48)@0* 28=* 233*
E8=4%4H48)* 28* 42%0* 8"@4* 28=*) ("2)* KZaGM* 28=* 28*
"% ("="8)k: * 2@4@@ 7 48)6* <"3\$@ "7 8" '%2#(k: %4: "%=k8' @*
K<5W@*H4%4*#4A%" 7 4=*J4A"%4*LRG*28=*H4%4*4#42)4=*
@kI' 7 "8) (@32)4%6*L*) (4* @kIU 7 "8) (*# "k8)* #2)k48)*Hk) (*
%4@k=E23*C5L*A"33"Hk8' *LRG*k8*d*T-*"E)"A*) (4*"k' k823*
Y, M* H4%4* %28=" 7 kN4=*k8)" *)H"* "%E#@* KG. M6* W%"E#* . *
k8:3E=4=* . Y* #2)k: k#28)* 28=* H2@* : "8@k=4%4=*) (4*
4I#4%k 748)23* "%E#0* 28=* W%"E#* , * : "8)2k84=* . T*
#2)k: k#28)*28=*H2@*) (4* "8)"3* "%E#6*GH* 7 "8) (@32)4%
KG, X*) (4%4A' %40* ^* 7 "8) (@2A)4%*LRGM0*#2)k: k#28)* H4%4*
%4U4?23E2)4=*E@k8' * <5W* 28=* :3k8k:23* 4?23E2)k"8@* G (%44*
#2)k: k#28)*Hk) (*%4@k=E23* C5L* H4%4* 4I:3E=4=* =E4*)" *
8"8U: " 7 #3k28:4*Hk) (*) (4*4I4%:k@4*#%) : "3*k8*d*, M0*"A"%*
)2Pk8' *82@23@)4" k=@%k8*2==k)k"8") * "8)"3* "%E#*#%" : "3*
k8*d*. M6*8)4%4@)k8' 3\$0*^ ^ ^ _ * "A*#2)k: k#28)*Hk) (%4@k=E23*
C5L*H4%4* 7 2346**

*
G(4%4*H4%4*8"* @k'8kA:k:28)*=kAA4%48:4@* J4)H448' "%E#@b*
=4 7 " '%2#(k: @0*:3k8k:23* k8=k8' @0*8"%"k8*)(4* L 1 \kL#842*
1 \$#"#842* %8=4IX* "%*) (4* 8E 7 J4%* "A* 2#842* "%* (\$#"I:k: *
4?48)@*#4%* ("E#M2)*G. 6*G(4*2E) ("%"#4?423*) (2)*2A)4%*)H"*
7 "8) (@* "A*: " 7 #34)k8' * "%* "#(2%\$8' 423*4I4%:k@4*%k#%) : "3*
8") * #4: kA4=M0*#2)k: k#28)*@k8*)(4*4I#4%k 748)23*W%"E#* . *
(2*2* @k' 8kA:k:28)*%4=E:)k"8* k8* "%23* J%42)(k8'0* k8:42@4=*
32Jk23*423*28=*3k#*) "840*28=*4 7 "8@)2)4=*2* @k' 8kA:k:28)3\$*
32% 4%* =kAA4%48:4* k8* L 1 \kA%" 7 *G. *) *G, *KW%"E#* . * d*
^ ^ ^ _ . _0*W%"E#* , *d*e6/e _M6**

*
G(4%4*H4%4*8"* @k'8kA:k:28)*=kAA4%48:4@* J4)H448' "%E#@b*
=4 7 " '%2#(k: @0*:3k8k:23* k8=k8' @0*8"%"k8*)(4* L 1 \kL#842*
1 \$#"#842* %8=4IX* "%*) (4* 8E 7 J4%* "A* 2#842* "%* (\$#"I:k: *
4?48)@*#4%* ("E#M2)*G. 6*G(4*2E) ("%"#4?423*) (2)*2A)4%*)H"*
7 "8) (@* "A*: " 7 #34)k8' * "%* "#(2%\$8' 423*4I4%:k@4*%k#%) : "3*
8") * #4: kA4=M0*#2)k: k#28)*@k8*)(4*4I#4%k 748)23*W%"E#* . *
(2*2* @k' 8kA:k:28)*%4=E:)k"8* k8* "%23* J%42)(k8'0* k8:42@4=*
32Jk23*423*28=*3k#*) "840*28=*4 7 "8@)2)4=*2* @k' 8kA:k:28)3\$*
32% 4%* =kAA4%48:4* k8* L 1 \kA%" 7 *G. *) *G, *KW%"E#* . * d*
^ ^ ^ _ . _0*W%"E#* , *d*e6/e _M6**

742@E%4@*E&8'*)(4*\C<*\K28*4?&=48:4UJ2@4=*?23&=2)4=*)"'3*H&(*8"%7@*E@4=*A"%*742@E%&8'*)"8'E4*28=*3&# @)%48')(*28=*48=E%28:4*KL=27@0*92)(&@480*V2&84@0* ;2N2%E@*R*!233&@)4%0*,-.TMO*<5W0*7\$"AE8:)&"823*:3&8&:23* 4?23E2)&"8*28=*#E3@4*"I&74)%\$6*V")(*)(4*C9G*28=*)(4* 8"8UC9G*'%"E#*E8=4%H48)*233*2@4@4@748)%&8&)&233\$*28=* 2A)4%*)H"*7"8)(@0*28=*)(4*:"8)%"3*'%"E#*E8=4%H48)*"83\$* \C<*\742@E%4748)@6**

G(4*2E)("%%* =4&84*)(4*7\$"AE8:)&"823*%)42)748)*2@* &@*74)%&:28=*&@*)"8&:4I4%:&@4@*8?3?&8'*)(4*)"8'E40* @")A)*#232)40*28=*32)4%23*#(2%\$8'423*H233@0*4@&'84=*")* &7#%"?4*E%:&"80*H233"H&8'0*:(4H&8'*J%42)(&8'*28=* @#44:(*AE8:)&"8@1*K#6.-,[M6*<2%):)@*H4%4*)"3=*")* #4%A"*7*)(4*4I4%:&@4@*)(%44*)&74@* =2&3\$0*H&)(*.-U,-* %4#4)&)&"8@*42:(*)&746*C84*)(4%2#&@)*2=7&8&@)4%4=*233* :3&8&:23*C9G*4?23E2)&"8@*28=*#%4@:%&J4=*233*%)42)748)* #328@*)"#2)&48)%&8*28*4AA"*)"%4=E:4*"J@4%?4%*J&2@*28=* &8)4%U)(4%2#&@)*?2&2J&3&)\$6**

G(4*B&3:"I"8@&'84=*%28P*)4@)*H2@*E@4=*)"":7#2%4*=2)2* A%"7*J4A"%4*28=*2A)4%*C9G0*28=*!(&@JE2%4=*28=*GU)4@)* H4%4*:"8=E:4=*A"%*:"8)&8E"E@*?2%&2J34@6*V4A"%4*)%42)748)0*H(48*:"7#2%4=*")*(4*(423)(\$*:"8)%"3*'%"E#0*)(4*C9G*28=*8"8UC9G*'%"E#@*(2=*%4=E:4=*)"8'E4* @)%48')(0*#42P0*28=*3"8'4%*48=E%28:4*K@4:"8=@M0*28=*)(4* 2E)("%%*(\$#")(4@&N4*)(2*)(&@*&@*3&P43\$*=E4*)" "%23* J%42)(&8'*H(48*%344#&8'0*H(&:(*2AA4:)*@*)"8'E4*#*%&)&"8* 28=*@)%48')(0*E3)&72)43\$*342=&8'*)"2J8"%723* =4?43"#748)*"A*:%28&"A2:&23*28=*2&H2\$*@)%E:)E%4@6* f"33"H&8'*)%42)748)0*)(4*C9G*'%"E#@*(("H4=* @&'8&A&:28)3\$*&8:%42@4=*)"8'E4*@)%48')(0*

L*H42P84@@*"A*)(4*)"23*3k)4%2)E%4*#"3*k@*)(4*32:P*"A*
:"8@k@)48*)4%7k8"3" '\$6*9 28\$*)4%7 @*H4%4*E@4=*)"*
=k@:E@@*C 9 GD*"%"A2:k23*7 \$"AE8:)k"823*)(4%2#\$0*
7 \$"A2@:k23*%4U4=E:2)k"8*KWEk334 7 k82E3)*4)*2360*, - . TM0*
7 \$"AE8:)k"823*%4U4=E:2)k"8*K; 44*4)*2360*, - . `M0*7 \$"3" '\$0*
7 \$"AE8:)k"823*)(4%2#\$*KS k332*4)*2360*, - . [M0*
"% "#(2%\$8' 423*4I4%: k@4@6*G(k@*k8: "8@k@)48:\$*Hk33*348=*
k)@43A*"83\$*)"*: "8AE@4*%42=4%@*28=*%4@42%:(4%@6*
!" 7 #k3k8 '*3k)4%2)E%4*J2@4=*"8*:"

