



(@! - \$./01!C'\\\6D.0E!C=F1G.\\1E!H1\\\\11/'! J \\$G1!

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N'&5%.; -.#)!#*!-: '!#J8'5-.6'&!,)7!5#)-')-!#*!-: '!5#\$%&'H!!!

0K(O''(0/>I!M@!0KC''M(''>"

 $T = \$+"' \ , /\$ + *"(\$, H\$D*+", ((,\$3/\&\$3\%*+"3,")*1\$\&"-/\&D1O*\&31)"D\$+" \ , H*\$\%*+"\&"3=*"+'\%*\&3\%-\%'"-\%*)D", -"=/O1\&" \\ @*\&*3\%' + "1\&D"@*\& \ , O\%' + S"X*"J\%))"+3/D>"3=*"=\%+3 \ , S="-\%*)D", -"=/O1\&"@*\&*3\%' + S"X*"J\%))"' \ , \&+3\$/'3"1\&D" \\ \%23*\$ (\$3"\%\&=*\$\%31\&'*"(133*\$\&+"\%\&"=/O1\&"(*D\%@**+S"X*"J\%))")*1\$\&"3=*"\& \ , O*\&')13/\$*", -"=/O1\&" \\ '=\$, O, +, O*"+3\$/'3/\$*S"X*"J\%))"/+*"1"' \ ,))*'3\% \ , \&", -"(**\$[\$*H\%*J*D"b, /$&1)"1$3\%')*+"1+" \ , /$"@/\%D*"3 \ ," \\)*1$\&\%@"1R, /3"\%3*\$*+3\%@"D\%+', H*\%*+"\$*@1$D\\&@"3=*"&13/\$*", -"3=*"=/O1&"@*& \ , O*"1&D"3=*"D>&1O\%'+", -" \\ O/31@*\&*+\%+"\&"3=*"=/O1&"@*& \ , O*S"T/3 \ , \$1)+"J\%))"*1/\("/+"J\%3="1"J\, \$V\\&@"V\&, J\)*D@*"1&D"/&D*\$+31&D\\&@" \ , -"V*>"O*3=, D+"-, \$"3=*"+3/D>", -"=/O1&"@*&*3\"'H1\$\13\", &S"T=*"\&+3\'/3 \$"1&D"3*1'=\&@"1++\$+31&3+"J\"))" ($\$, H\\D*"3*1'=\&@"1R, /3"3=*\$"'/\$\$*&3"\$*+1\$'="(\$, b*'3+\S'2/*+3")*'3/\$*\$+"J\%))"(\$*+*&3"3=*")13*+3"-\&D\\&@+"$

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5, +-.!32$2-3*6!2%6)*$!-.1!%62!3#42!#7!%62!32$2-3*6!2%6)*$!#77)*2F#77)*23!
3 \& + \$, - ... * 456 \& 0/-) \& \% * + .7 * ! "#$ \% \& * 4 # / 0 " 1 \& \% 2 *
JB,'%//#''C%8,/. 1 E8#(&.B,.C,(0&',/.%'''#,'(%F#B(',G&88,H#,@H8#,(.+,
J'C")9/)1"99"&$\%7"'+",)&."+'\\#')"(0\%,5\*"\\\\#\$")\#"\$'+/0)\&"+'
J'B/#+$)0&$',#-'\\#\$")()"\$'("-\\6)""'\&.,)\$+'
J'L+"',\#-",\#-",\#,")()"$'.01,\#'&.)/1/+/1"',\#-"M,);/$;("'\#/"1"#&*,$0)"'
J'N", & . '\$. "', #, \$ / 1; '/9', '. 01, #'6"#"', #- 'N . "'B"#\$), *'K / 61, '\\#'O\\/*/6; '
J'P:(*,\\#'./4'1/5\\*""\*"1"\#\\+',\*\")'\\$."'.01,\#'6"\#/1"'
J'K"+&)\\\5"',\#-'\\\**\0+\$),\$"'\&/11/\#'1"\\$./-+'/9'KA<',\#,\*;+\\\+'
J'Q/\\#'\$.''\&/\#7'')+\$\\/\#'\,\#-\\\-"\#\\\9\;\'\\$.\\&\,\*\\#\\()"+\"\\\\"\-'\\\-"\\\\#\\\\#\\.01\,\\#\
6"#"$%&+66"#/1%&+')"+",)&.',#-'$."'$),#+*,$%/#'/9'#"4'M#/4*"-6"'$/'$."'&*\#\&',#-'1,)M"$(*,&"'
J'K"9\\#"',#-'0+"'+"\#+\\$\\7"'*,\#60,6"'
J'R-"#$%9; '$."'+&%"#&"8'$"&.#/*/6;8'+$.M"./*-")+8',#-'%++O"+'%#'&0))"#$'5%/"$.%&+'&.,**"#6"+'%#'.01,#'
6"#"$%&+G6"#/1%&+
J'L#-")+$,#-8'-%+&0++8',#-'-"5,$"'&0))"#$'$/(%&+'%#'5%/"$.%&+',++/&%,$"-'4%$.'.01,#'6"#'$\&66"#/1\&'
$"&.#/*/6%"+
J'K"+&)%5"'6"#/1%&'\%#+$,5\\%\$;',++/&\,$"-'4\\$.'\\#.")\\$"-',#-',&=O\\)"-'&,#&")+'
K"+&)\\(5\)\,-'+(\('\&\)\01\'/9\'()\/9\"+\\/#+\,++\/&\\,\$\"-'4\\\$.\'.01\,\#'6\"#\\\\&+\'
/ '5-$%'!, ) 7!M$-#%.,4!3''P49!+''-.)<!-.+'&!
N'4.6'%9! + #7'a"^*'3/$*+"1&D"3/3.$\%1)+"1$*"3>(\%'1))>"($*+*&3*D"\\&"(*$+,&",&"'10(/+\$"
T=*"3*1'=%&@"3*10"J%))"*&D*1H, /$"3, "$*',$D"1/D%, "-,$")*'3/$*+"1&D"3/3,$%1)+"1&D"(,+3"3=13"3,"<$%@=3+(1'*$"
Q4')7'7!N'4.6'%9"$*-*$+"3,"3=*"!""#$%!&#"",&)%&*"3*1'=%&@$"C&"3=*"*H*&3",-"()1&&*D",$"/&1&3%'%(13*D")
,&)\\&*",&\)>")*'3/$*",$"3/3,$\\1)"+*++\\,&+"<$\\@=3+(1'*"J\\))"R*"/+*D"3,"(,+3"&,3\\'*",-"3=*+*"+*++\\,&+"1&D"3,"
+*&D", /3"* O 1%)"&, 3%-%' 13%, &", -"3=*+*", &)%&*", &)>"+*++%, &+$"
T=*"R$*1VD, J&",-"3=*"',/$+*"3,(%'+"1&D"3%O*)%&*"%+"($,H%D*D"%&"1&"*d'*)"31R)*"-,$O13"1+"1"4'5-$%'!
&5: '7$4'"1&D"1"-$-#%.,4!&5: '7$4'"(,+3*D"3,"3=*"',/$+*"<$\@=3+(1'*\$"""
B'9!I'&&.#).4!N.-'&H!
   D'&-'%)!R)7'%<%,7$,-'!''4,&&'&!J'<.)a"O*(3*0R*$"50"7:7;"
   O#)$.)&-%$5-.#)!7,9H"O*(3*OR*$"4:"B&,")*'3/$*+"3=%+"D1>E"e13%,&1)"K1>"-,$"T$/3="1&D"f*',&'%)%13%,&"
   T,44!K',7.)<!D''PH"] '3, R*$"!7"g"7:U"T=*$*"1$*"&,")*'3/$*+",$"3/3,$\%1)"3=\%+" J **V"
   U.7-'%+!-'&-H"D13*A3%O*A), '13%, &"T<8"g"1J1%3%&@"3*+3"$,,O"',&-%$O13%,&"
   U.7-'%+!%'+,P'!-'&-H!D13*A3%O*A), '13%, &"T<8"g"1J1%3%&@"3*+3"$,,O"',&-%$O13%,&"
   "4, && '&!') 7H"K*'* O R*$"h0"7:7:"
   T.), 4! > V, + !; '%.#7H''K^*'* 0R^*$"6"g"770"7:7;"
   T.), 4! > V, + H''K^*' * OR^* $"D13*A3% O*"T < 8 U"1&&, <math>/ & '*D"R > "3 = *" $*@% + 3$1$"
   I; '5.,4!*.),4!'V,+H"Y1&/1$>"D13*A3%O*"T<8U"1&&,/&'*D"R>"3=*"D*(1$3O*&3A-1'/)3>"
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 $\begin{array}{l} \text{O3/D*\&3+"O/+3"-1O\%)\%1\%c*"3=*O+*)H*+"J\%3="3=*"=\&\%2./\$\%+8->!"\%"8-!\&-3/).*\#\$/"!"\%(\$.*,)-\$"\%-?-\\ =\&6./,/\#6<\#+.-@+<6.\&+\$-\%&-A\/$+-B\&+/8->!!,/#O\$"(,+3*D",\&"3=*"8'1D*O\"N1)*&D1\$a"\\ =&33(+aAAJJJS/J,\$'1A/\&\%H+*'A(D-A1'1D*O\%'m(,)\%'\%*+A1((*1)+A1'1D*O\"m',\&+\%D*\$13\%,&mO*(7;\$(D-0)") \\ =&33(+aAAJJJS/J,\$'1A/\&\%H+*'A(D-A1'1D*O\"m',)\%'\%*+A1((*1)+A1'1D*O\"m',\&+\%D*\$13\%,&mO*(7;\$(D-0)") \\ =&33(+aAAJJJS/J,\$'1A/\&\%H+*'A(D-A1'1D*O\"m',)\%'\%*+A1((*1)+A1'1D*O\"m',\&+\%D*\$13\%,&mO*(7;\$(D-0)") \\ =&33(+aAAJJJS/J,\$'1A/\&\%H+*'A(D-A1'1D*O\"m',)\%'\%*+A1((*1)+A1'1D*O\"m',\&+\%D*\$13\%,&mO*(7;\$(D-0)") \\ =&33(+aAAJJS/J,\$'1A/\&\%H+*'A(D-A1'1D*O\"m',)\%'\%*+A1((*1)+A1'1D*O\"m',\&+\%D*\$13\%,&mO*(7;\$(D-0)") \\ =&33(+aAAJJS/J,\$'1A/\&\%H+*'A(D-A1'1D*O\"m',)\%'\%*+A1((*1)+A1'1D*O\"m',\&+\%D*\$13\%,&mO*(7;\$(D-0)") \\ =&33(+aAAJJS/J,\&+AAAJS/J,\&+AAAJS/J,\&+AAAJS/J,\&+AAAJS/J,\&+AAAS/J,&+AAAS$

T=%+"(,)%'>"D,*+"&,3"1(()>"3,"\$*I/*+3+"-,\$"C5,7'+.5!''#)&.7'%,-.#)"+/RO%33*D"-,\$",--'+;-'7!#%!5#+;4'-'7!3#%P0"J=*3=*\$",&)%&*",\$"%&"(*\$+,&\$""

 $T=*"(,)\%'>"1)+,"D,*+"\&,3"1(()>"3,"+3/D*&3+"*d(*$\%*\&'\%\&@"),\&@*$[3*$O'\%O(1'3+",\&"3=*\%$"1'1D*O\%'" $*+(,&+\%R\%)\%3\%*+S"T=*+*"+3/D*&3+"+=,/)D"',&+/)3"* & ''*++\%R*'1D/'13\%,&S"$

 $9,\$"(\$,"*D/\$*+",\&"=,\mathbf{J}"3,"+/R0\$3"8"1D*0\$""N,\&+\$D*\$13\$,\&"f*I/*+3+0"()*1+*"+**"3=*"\&\&-,\$013\$,\&"(,+3*D",\&"3=*"]--\%"*",-"3=*"f*@\%+3\$1\$L+"\$R(1@*a")$

=33(+aAA\$*@%+3\$1\$\$/J,\$'1A1'1D*O%'+A1'1D*O%'m',&+%D*\$13%,&+A'''

- 8))"\$*I/*+3+"-,\$"8'1D*0%'"N,&+%D*\$13%,&"0/+3"R*"01D*"J%3=%&";?"=,/\$+"1-3*\$"3=*"1++*++0*&3"D13*",\$"+/R0%++%,&"D*1D)%&*8""
- 8))"C5,7'+.5!''#)&.7'%,-.#)!K'1\$'&-&"O/+3"%&')/D*"+/((,\$3%&@"D,'/O*&313%,&U"=,J*H*\$("\$*',@&\c\\&@" 3=13"-,\$O1)"D,'/O*&313%,&U"=,J*H*\$("\$*',@&\c\\&@" 3=13"-,\$O1)"D,'/O*&313%,&"O1>"&,3"R*"1H1\%)1R)*"\&"+,O*"*d3*&/13\\&@"'\\\$''/O+31&'*+("3=*"(,)\\'>"1)),J+"+3/D*&3+"3,"O1V*",&*"8'1D*O\\'"N,&+\\D*\$13\\,&"\\$*I/*+3"3.-:#\$-!&\\$;;#\\-.)<!7#5\\$+')-,-.#)"\\&"3=\\+"',/\\$+*\$\".,J*H*\$("3=*"-,)),J\\&@"1++*++O*&3+"1\\$*"*d')/D*D"-\$,O"3=\\+("1\&D"3=*\\$*-,\\$*"\\1)J\\="\\$*I/\\\$*"-,\\$O1)"+/((,\\$3\\&@"D,'/O*&313\),&a"
 - ! **>V,+.**),-.#)&"+'=*D/)*D"D/\$%&@",--%'%1)"*d10%&13%,&"(*\$%,D+"MK*-%&*D"R>"(,)%'>P"

 $X = *\&"1"+3/D*\&3" \underbrace{O\%\$ + \#C.\&'8}" + /RO\%3 + "3 = *\%\$" \underbrace{,\&*}"1)), J*D"8'1D*O\%'"N,&+\%D*\$13\%,&"\$*I/*+3"3.-: #\$-!\&\$:: #\%-.)<!7#5\$+')-,-#)"$

T = \$*"1\$*"! : "I / %cc* + "%&"3 = \$"' , / \$ + \$S"T = \$"R* + 3"6" , -"! : "I / %cc* + "% + "/ + \$D" - , \$"3 = \$" - %&1)" @ \$1D*S"T = % + "@ %H* + " -)*d %R%) %3 > "1 &D"

 $\underline{-33(+\text{aAA J J J S/ J }, \text{S'1A/\&\%H+*'A(D-A1'1D*O\%'m(,)\%'\%*+A1((*1)+A+'=,)1+3\%'mD\%+'\%()\%\&*m/\&D*\$@\$1D\$(D-\$'''))}$

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<**\$**\\/\#=*'>#?(*'*)7#@#

/")"+6#'-(),*3"+68*(),'(%'G)"8*E&"88"H.'

- ! Y22"!).!+). 1!%62!1)77232. %!*, 4%, 3-4!-. 1!4). (,)\$\%'!?-*P(3#, . 1\$!#7!\%62!\$\%, 12. \%!). !\%62!*#, 3\$20!
- ! Z2!*#, 3%2#, \$!%#A-31!%62!). \$%3, *%#3:!' #, 3!*#442-(, 2\$:!-. 1!-, %6#3\$!A6#\$2!A#3P!' #, !-32!1)\$*, \$\$). (0!
- ! Z2!32\$"2*%7, 4!#7!%62!1)<23\$)%' !#7!<)2A"#). %\$!%6-%!' #, !A)44!2. *#, . %23!). !%62!*4-\$\$!-. 1!). !' #, 3!32-1). (\$0!962! *L/"02:*1.41+,3*C%*1,+*0%102+1.\$,2,.2%1,%1\$0C#1.41#"*1%/".70C7M1*23,C.25*2#)IWX705,2:Y1,%12*3*C1 0\$\$C.\$C,0#*)1
- / Z2!"3#72\$\$)#. -4!-. 1!\$*6#4-34'!). !-4!#. 4). 2!"#\$%). (\$0![\$2!"3#"23!(3-++-3!-. 1!\$"24). (0!;)%2!%62!)12-\$!#7! #%623\$!-""3#"3)-%24'0!