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 ? ., \$; .61\$(2,) "l&64, +7+)M"4. *".AA726.12+, *2, " ? ., M";2&79*c";(+ ? "4&.7146. (&"1+";++9"A(+6&**2,)"
 K8)\$, L2.9&"&1" .7Ic"BDBDd" 82 ? . ("&1" .7Ic"BD! `d" - 2(LM"&1" .7Ic"BDBDd" - : &77("&1" .7Ic"BDBE0I"@&*A2l&"21*"
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' \$*&9";27. ? &, 1"; .L(26.12+, "K ' ' ' 0"2*"+, &"+; "14&" ? +*1"A+A\$7. ("W@"A(2, 12,) " ? &14+9*c" . *21"2*"
 L+14"&, (&)"M" ., 9"6+*1c&;;262&, 1"K - (2*4, . . . , 9"&1" .7Ic"BDBD0I" 866+(92,) "1+" 84 ? .92; . ("&1" .7Ic"KBDB! 0C"
 14&" ' ' ' "A(+6&**"L&)2, * / 214" . "W@" ? +9&7")&, (&.1&9"2, "6+ ? A\$1&(c.29&9"9&*2), "KT 8 @0"*+; 1 / . (&C"
 / 4264"14&, "6+, : &(1*"14&" ? +9&7"2, 1+" . "1&(&+7214+)(.A4M";+(? .1"K5P#0I" ' +77+ / 2,) "142*c"*A&62.72f&9"
 *+; 1 / . (&"92:29&*14&" ? +9&7"2, 1+" ? \$712A7&"4+(2f+, 1.7"7.M&("6(+**c*&612+, *C")&, (&(.12,) "6+9&" / 214"
 A.14*";+("14&"A(2, 1&("1+";+77+ / " . *21"A(2, 1*"&.64"7.M&("K 84 ? .92; . ("&1" .7Ic"BDB! 0I"

O &64. , 26.77MC" - (2*4, . . . , 9"&1" .7Ic"KBDBD0"*1.1&9"14.1"14&"9&;2, 2,) "6+ ? A+, &, 1+"; " ' ' ' cL. * &9"
 W@"A(2, 1&("2*" ., " &Q1(\$9&(C"6+, *2*12,) "+; "14&" , +ff7&C"4+1" ., 9"6+79"&, 9*c" ., 9"&Q1(\$9&("9(2: &I" P4&"
 , +ff7&")\$29&*14&";27. ? &, 1" ? &71&9"LM"14&"4+1"&, 9"+, 1+"14&"A(2, 12,) "L&9"9\$(2,)"; .L(26.12+, I" P4&"
 6+79"&, 9"72 ? 21*"14&"4&.12,) "+; "14&";27. ? &, 1"L&;+(&"21"(&.64&*14&"4+1"&, 9I" ' 2, .77MC"14&"&Q1(\$9&("
 9(2: &"2*"(&*A+, *2L7&";+(" ? +: 2,) "14&";27. ? &, 1".6(+**"14&"&Q1(\$9&("2, 1+"14&"4+1"&, 9"K - (2*4, . . . , 9"&1"
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8 *1\$9M"LM"52,)4"&1" .7Ic"KBDBD0"2, : &*12) .1&9"14&"6\$((&, 1*"1.1&"+; " ' ' ' .7+,) / 214"21*"2**\$&*"
 ., 9"; \$1\$(&"A+1&, 12.7I"=1"29&, 12;2&9" ? ., M"A4M*26.7"2**\$&*2, " ' ' ' "A(2, 1*c"*\$64" . *A++(" ;2, 2*4C"2, c
 A(+6&**"9&;+(? .12+, *K.7*+"%, + / , " . *A(2, 12,) "1(&**&*C"6. \$*2,) / .(A2,) ., 9"7.M&(2,) "2**\$&*0C" ., 9"
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V(. *4. ("&1" .7I"KBDBB0"67.2 ? &9"14. 1"W@"A(2, 12,)"2*"+ , &"+; "14&" ? +*1"2 ? A+(1. , 1"9& : &7+A ? & , 1*"
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 A+1& , 12.7" .AA726. 12+ , *I"P4&". (1267&"A(+H&61&9"W@"A(2, 12,)"1+"A(+9\$6&"1 / +"1(2772+ , "9+77. (*"1" / +(14"+; "
 21& ? *C"6+ ? A+ , & , 1*C" . , 9"A(+9\$61*"LM"BDWDI" 8 99212+ , .77M"14&". (1267&"67.2 ? &9"14. 1"9& : &7+A2,)"W@"
 A(2, 12,)"1&64, +7+)2&* / 277"A(+ : 29&"+("2 ? A+(1. , 1" , &&9*"2, " ? . , \$; .61\$(2,)C"*\$64". *L&6+ ? 2,)" ? +("&
 . ; ;+(9. L7&" . , 9"& ; ;262& , 1"14. , "1(. 9212+ , .7" ? . , \$; .61\$(2,)" ? &14+9*"+(" ? . **"A(+9\$612+ , "KV(. *4. ("&1"
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_ , &"+; "14&" ? +*1"*2) , 2;26. , 1" .AA726. 12+ , *"+; . 99212 : &" ? . , \$; .61\$(2,)"2*"21*" \$*&"2, "14&"9&*2) , "
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. , 9"9(\$)"9& : &7+A ? & , 1"K 8 2 ? . ("&1" . 7I"BD!`0I"<&) . (92 ,)"*\$()26.7" ? +9&7*C" - 2(LM"&1" . 7I"KBDBD0"
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 A(+1+IMA2 ,)C" . , 9"A(+9\$612+ , "+" ; "A. 12& , 1c*A&62;26"2 ? A7 . , 1*I"52 ? 27 . (7M"4+*A21.7*4 . : &"\$*&9"W@
 A(2 , 12 ,)"1+ " ? . , \$; . 61\$(&"A&(*+ , . 72f&9"9(\$)*" ; +("A. 12& , 1*2 , " : . (2+\$* ; + (? c ; . 61+(**72%&"1. L7&1*C"
 2 ? A7 . , 1*C"+ (" ? 26(, &&97&*K S . 772*"&1" . 7I"KBDBD0I" 3 + / & : &(C" S . 772*"&1" . 7I"KBDBD0" ? & , 12+ , &9"14. 1"14&"
 6\$((& , 1"6+*1*"+ ; "A(+9\$62 ,)"6+ ? A\$1&(" ? +9&7* . , 9"W@A(2 , 12 ,)"72 ? 21"21*\$*&" . 6(+**14&" ; 2&79C"9&*A21&
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8714+\$)4"W@A(2 , 12 ,)"L(2 ,)" * ? . , M" , & / "A+**2L27212&*1+14&" / +(79"+ ; " ? . , \$; . 61\$(2 ,)C"21"2*"
 , +1" / 214+\$1"21*"+ / , 2**\$&* . , 9"6+ , 6&(, *I" 8"*2) , 2;26 . , 1"6+ , 6&(, " ; +("W@A(2 , 12 ,)"2 , "14&" ? +9&(, "
 *A. 6&"2*21*"& , : 2(, ? & , 1.7"2 ? A. 61"14(+)\$4" / . *1&C"& , &()M"\$*&C" . , 9"A7. *126"& ? 2**2+ , *K#2\$"&1" . 7I"
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#2\$"&1" . 7I"KBD!Y0"A(+A+*&9" . ; (. ? & / +(%"1+ "2 , : &*12) . 1&"14&"*\$*1. 2 , . L2721M"+ ; "W@A(2 , 12 ,)"C"
 . 99(&*2 ,)" ? . , M"2 ? A+(1 . , 1"6+ , 6&(, *I"P4&" . (1267&"*A&6\$7. 1&9"14. 1"W@A(2 , 12 ,)" / +\$79"4 . : &)"(& . 1&("
 & , : 2(, ? & , 1.7"2 ? A. 61*14 . , 1(. 9212+ , . 7" ? . , \$; . 61\$(2 ,)" . 1" . " ? . **cA(+9\$612+ , *6. 7&C" / 4264"2*"+ , &
 + ; "14&"+ . 7* ; +("W@A(2 , 12 ,)"1+"(& . 64I" 8 99212+ , . 77M"21"2 , 67\$9&*1\$92&*"\$))&*12 ,)"14. 1"W@A(2 , 12 ,)" "
 A(+9\$6&*2) , 2;26 . , 17M" ? +(&"& , &()M"14 . , *A&62;26"1(. 9212+ , . 7" ? . , \$; . 61\$(2 ,)" ? &14+9* / 4& , "
 ; . L(26. 12 ,)"2 ? 27 . ("21& ? *I"P4&"A. A&(" . 7*+ " . 99(&*2&9"6+ , 6&(, *("&) . (92 ,)" ; 27 . ? & , 1"& ? 2**2+ , *"
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<&* & . (64"LM" O +(& , +"&1" . 7I"KBDBD0"2 , : &*12) . 1&9"W@A(2 , 12 ,)"N*" / . *1&"A(+L7& ? " ? +(&"67+*77M"
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? .1&(2.7I"P4&"*1\$9M"(., "&:&(.7"lMA&*";"V# 8";27. ? &, 1"14(+)\$4" ."? &64. ,26.7"(&6M672,)"A(+6&*"C"
 2,67\$92,)" / . *42,)" . ,9"9(M2,)"14&" ? .1&(2.7C"A(+6&**2,)"21"14(+)\$4" ."? 26(+c6+ ? A+\$, 9&(C" . ,9"
 1\$(, 2,)"21"2, 1+";27 ?";+(. . ,7M*2*I"P4&"*1\$9MN*"(&*\$71**"4+ / &9"14. 1"14&"A(2, 12,)"A(+6&*"21*&7;"9+&*"
 ,+1"9&)(. 9&"14&";27. ? &, 1"*2) , 2;26. , 17M"L\$1"14&" / . *42,)" . ,9"(&A(+6&**2,)"A(+6&*"**"9+I"@&*A21&"
 142*C"14&"*1\$9M"6+ , 67\$9&9"14. 1" ? &64. ,26.7"(&6M672,)"2*" .":2.L7&" ? &14+9";+(;"27. ? &, 1"(&6M672,)"2;"
 \$*&(*)2:&"A(+A&(.11&, 12+ , "1+"14&" / . *1&N*+(2)2, *" . ,9"6+ ? A+*212+ , "K O +(& , +"&1" .7I"C"BDBD0I"

<&) .(92,)"14&"6+ , 6&(, "+"A7. *126"& ? 2**2+ , *C"51&A4& , *"&1" .7I"KBD !W0"*1\$92&9"14&"

6+ , 6&, 1(. 12+ , "+"\$71(. ;2, &"A. (1267&*A(+9\$6&9"LM"9&*%1+A"W@A(2, 1&(*"2, ."6+ ? ? &(62.7"*&112,)I"P4&"
 1\$9M";+\$, 9"14. 1"W@A(2, 12,)"\$2,)"L+14" 8 b 5" . ,9"V# 8"A(+9\$6&*". *2) , 2;26. , 1" . ? +\$, 1+;"\$71(. ;2, &"
 A. (126\$7. 1&" ? . 11&(d"4+ / & :&(C" 8 b 5"A(+9\$6&9" ? \$64" ? +(&"14. , "V# 8"LM" . , "(9&("+" ? .) , 21\$9&I"P4&"
 . (1267&"2, 67\$9&*(&*+\$ (6&*"*1. 12,)"14. 1";\$? &*";(+ ? "6&(1.2, "14&(? +A7. *126*"4. :&"1+Q26"&;;&61*" + , "
 L+14" . , 2 ? .7*" . , 9"4\$? . , *I" ' 2, 92,)" ? &14+9*"1+"(&9\$6&"A7. *126"& ? 2**2+ , *";(+ ? "W@A(2, 12,)" / +\$79"
 4&7A"1+"& , *\$(&"\$*&(*" . ;&1M"9\$(2,)"A(+7+ ,)&9"+A&(. 12+ , "K51&A4& , *"&1" .7I"C"BD !W0I"

" 4M,2(4 + \$4&3<! "##\$%&'!(4!89!: 2,4&,47! ; ,<3 + \$4&!

P4&(&"4. :&"L&& , "&:& (&.7"*1\$92&*"+ , "4+ / "64. (.61&(2*126*"+"14&"& , :2(+ , ? &, 1"K1& ? A&(.1\$(&"
 . , 9"4\$? 2921M0" . ;;&61"14&"A4M*26.7"A(+A&(12&*"+;"W@A(2, 12,)" ;27. ? &, 1"*"\$64" . *V# 8I" ' . (.4"&1" .7I"
 KBD !Y0"*1. 1&9"14. 1"14&"A(+A&(12&*"+;"V# 8" . (&"7. ()&7M"9&A&, 9&, 1"+ , "21*A(+6&**2,)"1& ? A&(.1\$(&" . , 9"
 14. 1"4\$? 2921M"2 ? A. 61*"21*"L2+9&)(. 9. 12+ , I" 84 ? .92; . ("&1" .7I"KBDB !0" .7*+"6+ , *29&(&9& , :2(+ , ? &, 1.7"
 1& ? A&(.1\$(&" . , 9"4\$? 2921M" . *2 ? A+(1. , 1"A. (? &1&(*"14. 1"2, ;7\$&, 6&" ' ' ' "A(2, 12,)I"

<&* &. (64"LM" 3 . ? 29"&1" .7I"KBDBW0"2, :&*12) . 1&9"14&"&;;&61*" + ;"4\$? 2921M"+ , "W@A(2, 1&9"

V# 8N*"A(+*21M" . , 9"64& ? 26.7"*1(\$61\$(&I"P4&"*1\$9M";+\$, 9"14. 1"4\$? 2921M" . ;;&61*"W@A(2, 1&9"V# 8N*"
 64& ? 26.7"L+ , 9*" . , 9"2, 6(& . * &*21*"A(+*21M"C"9&6(&. *2,)"14&" +LH&61N*"9& , *21MI"P42*"2, 6(& . * &9"
 A(+*21M"9\$&"1+"&QA+*\$(&"1+"4\$? 2921M" , &) . 12: &7M" . ;;&61&9"14&" +LH&61N*"1(\$61\$(.7"2, 1&)(21MC"

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9&6(&.*2,)"21"*1&,*27&"*1(&,)14I"P4&"*1\$9M"6+,67\$9&9"14.1"6+((&61"*1+(.)&"+;"W@A(2,12,);27.?&,1"
2, ".7+ / c4\$? 2921M"&, :2(+, ? &, 1"2"*&**&, 12.7";+(" ? .Q2 ? 2f2,)"14&"*1(&,)14"+;"W@cA(2, 1&9"A.(1*"
K3 . ? 29"&1" .7I"BDBW0I"

8"*1\$9M"LM"V.,)"&1".7I"KBDBB0".7*+2, :&*12).1&*4\$? 2921MN*"&;;&61*"+, "V# 8C"*\$AA+(12,)"14&"
7.11&("1\$9MI"P4&("*&.(64"2, :&*12).1&9"V# 8"*1+(&9"2, "&, :2(+, ? &, 1*" / 214"L+14". ? L2&, 1"., 9"
6+, 1(+77&9"4\$? 2921MI"P4&"*1\$9M";+\$, 9"14.1"+LH&61**1+(&9"2, "42)4&("4\$? 2921M"4.9"7+ / (&"1&,*27&"
1(&,)14"14., "14+&*1+(&9"2, "7+ / (&"4\$? 2921MI" ' 2, .77M"14&"*1\$9M"(&6+ ? ? &, 9&9"1+*"1+(&"V# 8"
;27.?&, 1"2, "&, :2(+, ? &, 1*" / 214" ? 2, 2 ? .7"4\$? 2921M"1+" . :+29"9&)(.9.12+, "+: &("12 ? &"KV. ,)"&1".7I"
BDBB0I"

<&). (92,)"1& ? A&(.1\$(&C" - .(2 ? 2"&1".7I"KBDBW0"*1\$92&9"14&"&;;&61*"+;". ? L2&, 1"1& ? A&(.1\$(&"+, "
W@cA(2, 1&9"V# 8"A.(1*I"P4&"*1\$9M"&Q. ? 2, &9"14&"1&, *27&C";7&Q\$ (.7C"., 9";(.61\$(&"64.(.61&(2*126*"+; "
W@cA(2, 1&9"+LH&61*" .1";+\$("92;;&(&, 1". ? L2&, 1"1& ? A&(.1\$(&*G" cBDC"DC"BD" ., 9"ED"9&)(&&*T&7*2\$*I"
P4&"*1\$9M";+\$, 9"14.1"14&". ? L2&, 1"1& ? A&(.1\$(&*2), 2;26., 17M". ;;&61&9"14&"1&, *27&"*1(&,)14"+;"14&"
+LH&61*C";2, 92,)".*2), 2;26., 1"9&6(&.*&";(+ ? "cBD"iT"1+"ED"iTI" 3 + / &: &(C"14&". ? L2&, 1"1& ? A&(.1\$(&"
929", +1"*2), 2;26., 17M". ;;&61"14&"+LH&61*N" ? +(A4+7+)M"+(" ? 26(+*1(\$61\$(&"K - .(2 ? 2"&1".7I"BDBW0I"

<&*&.(64"LM"V2&A&("KBDBW0"2, :&*12).1&9"14&"&;;&61*"+;"4\$? 2921M"+, "W@A(2, 12,)";.27\$(&*2, "
." ? .%&(*A.6&".1" - &, , &* . / "51.1&" e , 2: &(*21MI"P42"*1\$9M"\$*&9"<.*AL&(M"V2"4\$? 2921M"*&, *+(*"1+"
6+77&61"4\$? 2921M"9.1.C"7++%2,)";+(".6+((&7.12+, "L&1 / &&, "21"., 9"A(2, 1"&((+(*2, "14&" ? .%&(*A.6&I"
P4&"*1\$9M"6+, 67\$9&9"14.1"4\$? 2921M"4.*", +&;;&61"+, "&((+(("1&*I" 3 + / &: &(C"14&"*1\$9M"6+, 67\$9&9"
142*";(+ ? ".* ? .77". ? +\$, 1"+;9.1.C".*21"+, 7M"1++%A7.6&"+: &(!E", +, c6+, *&6\$12: &"9.M*I"P42"*1\$9M"
4.*"67&.(("++ ? ";+(2 ? A(+: & ? &, 1C"&*A&62.77M"(&).(92,)"9.1."6+77&612+, "KV2&A&(C"BDBW0I"

G* + + 32.!"

W@A(2, 12,)"2*"., "2 ? A+(1., 1"1&64, +7+)M"2, "14&" ? +9&(", 2, 9\$*1(2.7"7., 9*6.A&C" / 214"&Q6212,)" "

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6.A.L27212&*2;"? A7& ? &, l&9".1" ? .**cA(+9\$612+, "6.7&"KV(. *4.("&1".7IC"BDBB0I"=1"4. *"\$*&*2, ";2&79*" 72%&"A(+9\$61"9&*2), " / 214"(.A29"A(+1+1MA2,) . , 9"14&" ? &926.7";2&79" / 214"9(\$)"9&: &7+A ? &, 1". , 9"14&" 6(&.12+, "+;*"\$()26.7" ? +9&7*"K 8 4 ? .92; .("&1".7IC"BDB !d" 8 2 ? .("&1".7IC"BD!`d" S .772*"&1".7IC"BDBD0I" @&*A21&"21**1(&,)14*2, ".66&***2L2721MC"6+*1C". , 9"&;;262&, 6MC"W@"A(2, 12,) *1277"4. *"? .H+("6+, 6&(, *1+" .99(&***2, "14&";\$1\$(&C"2, 67\$92,)"&, &()M"\$*&C"A7. *126& ? 2**2+, *C". , 9" / . *1&"K#2\$"&1".7IC"BD! Y0I"W@" A(2, 12,)N* / . *1&"2**\$&" ? .2, 7M"+(2)2, .1&*";(+ ? "; .27&9"A(2, 1*K O +(&, +"&1".7IC"BDBD0I" O . , M"*1\$92&* 6+, 67\$9&"14.1"1& ? A&(.1\$(&. , 9"4\$? 2921M"*2), 2;26. , 17M"2, ;7\$&, 6&"W@cA(2, 1&9"V# 8N**1(\$61\$(.7" 2, 1&)(21M". , 9"1&, *27&*1(&,)14C"A+1&, 12.77M"7&.92,)"1+"2, 6(&. *&9"A(2, 1"; .27\$(&*K 3 . ? 29"&1".7IC"BDBWd" - .(2 ? 2"&1".7IC"BDBWd"V. ,)" &1".7IC"BDBB0I"P4&(&4. :&, +1"L&&, " ? . , M"*1\$92&*92(&617M"2, :&*12). 12,)" ? L2&, 1"1& ? A&(.1\$(&. , 9"4\$? 2921M"+, "A(2, 12,)"; .27\$(&*92(&617MC"L\$1"14+*&"14.1"929"9(& / " 6+, 67\$*2+, *";(+ ? "2, *\$;;262&, 1". ? +\$, 1**+;"9.1. "KV2&A&C("BDBW0I"P42**1\$9M"4+A&;\$77M" / 277";277"142*").A"2, "721&(.1\$(&C"A(+ :292,)2, *2)41"+, "14&"6. \$*&*";A(2, 1"; .27\$(&* . , 9"A(+ :292,)" *+7\$12+, *1+" ? 2, 2 ? 2f& / . *1&";(+ ? "W@"A(2, 12,)I"

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