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 $\%\&'".99+-+71",7:'".9"3\&'"(\&)*)"4'26''"56.267:"+0"7"(\&)*)"+,"C4/-73+.,"?+3\&"7"\\D.,-',3673+.,"+,"D./,0'1+,2)"\%\&'"567-3+-71"3+31'".9"3\&'"56.267:"+0"7"(\&)*)"+,"D./,0'1.6"\\C4/-73+.,"7,4"E/5'68+0+.,)"$ 

 $\%\&'"(\&)*)"56.267:"+,"D./,0'1+,2"73"F14"*.:+,+.,"G,+8'60+3;"=F*G>"7--'53'4"+30"9+603" \\ 4.-3.671"03/4',30"+,"E56+,2"0':'03'6"!HHI"7,4"&70"J'',"7--6'4+3'4"J;"3&'"D./,-+1".," \\ K--6'4+373+.,".9"D./,0'1+,2"7,4"L'173'4"C4/-73+.,71"(6.267:0"=DKDLC(>"0+,-'"M7,/76;"!HHN)" \\$ 

 $\%\&'"56.267:"1'74+,2"3."3\&'"(\&)*)"4'26''"-.,0+030".9"7":+,+:/:".9"OH"0':'03'6"-6'4+30" \\ J';.,4"3\&'":703'6P0"4'26''<+,-1/4+,2"7"-1+,+-71"567-3+-/:<"7,"+,3'6,0&+5<"-7,4+47-;" \\ 'Q7:+,73+.,0<"7,4"7"4+00'6373+.,)"K,"C4)E)":7;",.3"J'"'76,'4"70"5763".9"3&'"(\&)*)"56.-'00)"$ 

 $\begin{array}{c} K_{--} \ '00"3\&'"9.11.\ ?+,2"572'".\ ,"3\&'"F*G"*764'\ ,"D.11'2'".9"C4/-73+.\ ,"7\ ,4"(6.9'00+.\ ,71"E3/4+'0"?'J0+3'"7\ ,4"9.11.\ ?"3\&'"+,036/-3+.\ ,0"9.6"-.\ :51'3+,2"3\&'".\ ,51+,\ '"367+,+,2"-./60'U" \\ \underline{\&3350UW?\ ?\ ?\ ).4/)'4/\forall +:57-3V6'05.\ ,0+J1'S-.\ ,4/-3\$.9S367+,+,2" \end{array}$ 

 $\begin{array}{c} \text{R9"3\&'"-./,0'1+,2"56.267:"-\&7,2'0"3\&'"-/66+-/1/:"?\&+1'"03/4',30"76'"-.:51'3+,2"3\&'"} \\ 56.267: <"03/4',30":7;"-\&..0'"3."9.11.?"3\&'+6".6+2+,71"-/66+-/1/:"-.,37+,'4"+,"3&'"&7,4J..@" \\ 7,4"2674/73'"-7371.2"96.:"3&'";'76"?&',"3&'"03/4',3":736+-/173'4".6"3&'"03/4',3":7;"-&7,2'"3." \\ 9.11.?"3&'"-/66+-/1/:"+,"3&'",'?"&7,4J..@"7,4"2674/73'"-7371.2)"%&'"-/66+-/1/:":7;",.3"J'"-.:J+,'4<"7"-&.+-'".9"&7,4J..@"7,4"-7371.2"+0"6'A/+6'4)"K11"03/4',30"76'"6'A/+6'4"3."9.11.?" \\ 7,;",.,S-/66+-/1/:"5.1+-;"-&7,2'0"+:51':',3'4)" \end{array}$ 

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48-4)!1!6/75%/9%5!:347!5;&.4<:6.4247!5&=4>/73&
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 $\begin{array}{c} K93'6"(\&)*)"03/4', 30"-.: 51'3'"3\&'"-./60'"+,"-.11'2'"3'7-\&+,2<"3\&';"76'"6'A/+6'4"3."-.S\\ 3'7-\&".,'": 703'6P0"1'8'1"-./60'"?+3&"7"97-/13;": ': J'6"4/6+,2"3&'+6"+,3'6,0&+5)"R,"744+3+.,<"3&';"76'"',-./672'4"3."700+03"9/11S3+: '"97-/13;": ': J'60"+,"3'7-&+,2".3&'6": 703'6P0"1'8'1"-./,0'1+,2"-./60'0"4/6+,2"3&'"3+: '"3&';"76'"-.: 51'3+,2"3&'+6"4'26''0)"Y.03"(\&)*)"03/4',30"?&."&.14"\\ 2674/73'"700+037,30&+50"76'"700+2,'4"3."3'7-&"/,4'62674/73'"&/:7,"0'68+-'0".6"05'-+71"-./60'0)"E3/4',30"-7,"8+0+3"3&'"9.11.?+,2"1+,@"9.6"2','671"+,9.6:73+.,".,"2674/73'"700+037,30&+50"73"F*GU"&3350UW???).4/)'4/97-/13;03799V':51.;''S0'68+-'0V2674/73'S700+037,30&+50"73"F*GU"&3350UW???).4/)'4/97-/13;03799V':51.;''S0'68+-'0V2674/73'S700+037,30&+50"]"$ 

 $Z./"76'""Q5'-3'4"3."7J+4'"J;"711"5.1+-+'0"+,"3&+0"&7,4J..@<"+,-1/4+,2":''3+,2"73"\\7556.56+73'"3+:'0"?+3&";./6"748+0.6<"-.:51'3+,2"711"9.6:0"+,"7"3+:'1;":7,,'6<"74&'6+,2"3."711"\\56.267:"7,4"/,+8'60+3;"5.1+-+'0<"4':..,03673+,2"7556.56+73'"56.9'00+.,71"4':'7,.6"?+3&+,"-1700'0"7,4"73";./6"9+'14"517-':',3"0+3'0<"':J67-+,2"7"-./,0'1.6"+4',3+3;<"/5&.14+,2"'3&+-71"7,4"56.9'00+.,71"037,47640<"J'+,2"-.::+33'4"3."0-&.1760&+5"7,4"7-74':+-"'Q-'11',-'<"7,4"74&'6+,2"3."711"4'741+,'0)"$ 

#### 5) / -4k / 9k! ? 65k? 173 = / / @k

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FJW'-3+8<u>'"]U</u>"
                             E36'.23&'."..'P0"56.9'00+..71"+4'.3+3:"70"7"567-3+3+..'6<"-./.0'1.6"'4/-73.6<"
                             7,4"0/5"68+0.6"7,4"J"-.:"@,.?1"42"7J1"".9"-/66",3"+00/"0"+,"3&""9+"14)"
                              * '8'1.5"7."+.$4'53&"/.4'6037.4+.2".9"+.4+8+4/71"7.4"26./5"-./.0'1+.2"3&'.6+'0"
FJW'-3+8'"!U"
                             7,4"56.-'00'0"7,4"&.?"3&';"76'"7551+'4"?+3&"-1+',30)"
FJW'-3+8'"#U"
                             G, 4'6037, 4"3\&'"3\&' .6'3+-71"7, 4"-1+,+-71"7551+-73+.,0".9"0/5'68+0+.,"7, 4"J'"
                             7J1'"3."': 51.;"0/5'68+0.6;"0@+110"?+3&"-./,0'1.60"7,4"-./,0'1.6"367+,''0)"
FJW'-3+8'"$U"
                              * '8'1.5"0./,4"5'472.2;"7,4"3'7-&+,2": '3&.40"?&+-&"-7,"J'"7551+'4"+,"
                             3'7-&+,2"7,4"56'0',3+,2)"
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FJW'-3+8'"XU"
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                             56.9'00+.,71+0:<"7--./,37J+1+3; \(\nabla\)-.,0-+',3+./0,'00<"0'1986'2/173+.,<"7,4"
                             +,3'65'60.,71"0@+110)"
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              %&'"D./,0'1+,2" [674/73'"(6.267:"+,-1/4'0"3&'"9.11.?+,2"9/1183+:'"97-/13;":':J'600"
*6)"^+,7" 6. ?,<"*6)"^7,'007"*.:+,2/'B<"*6)"^7371+'"C4+6:7,70+,2&'<"*6)"C:+1;"[..4:7,8]
E-.33 < "*6)" \% + : "[6.3 & 7/0 < "*6)"[/107 \& a': '6 < "*6)" M'996; "Y.' < "*6)" C4" ^'/@6/2 < "*6)" K: J'6" (.5' < "*6)" M'996; "Y.' < "*6)" C4" ^'/@6/2 < "*6)" K: J'6" (.5' < "*6)" M'996; "Y.' < "*6)" C4" ^'/@6/2 < "*6)" K: J'6" (.5' < "*6)" M'996; "Y.' < "*6)" C4" ^'/@6/2 < "*6)" K: J'6" (.5' < "*6)" M'996; "Y.' < "*6)" C4" ^'/@6/2 < "*6)" K: J'6" (.5' < "*6)" M'996; "Y.' < "*6)" C4" ^'/@6/2 < "*6)" K: J'6" (.5' < "*6)" M'996; "Y.' < "*6] M'996; "Y.' < 
*6)"K17, "E-&?+3B'66"7,4"7,4"576383+: '"97-/13;": ':J'60"?&."-&7,2'"96.: "0': '03'6"3."0': '03'6)"
               K11"97-/13;": ': J'60"+, "3&'"D./, 0'1+, 2" [ 674/73'" (6.267: "76'": ': J'60".9"3&'"
* '5763: '.3".9"D./,0'1+,2"7,4"\/:7,"E'68+-'0"=D\E>)"%&'"D./,0'1+,2" [674/73'"(6.267:"+0"7"
5763".9"3&73"4'5763:',3"7,4"711"97-/13;":':J'60"+,"3&'"56.267:"6'5.63"3."3&'"*'5763:',3"D&7+6<"
*6)"C4"^'/@6/2)"%&'" [ 674/73'"D./,0'1+,2"(6.267:"*+6'-3.6"6'05.,0+J1'"9.6"3&'"4.-3.671"
56.267: "+0"*6)" [ /107\&" a ': '6)"%&'" [ 674/73'"D. /, 0'1+, 2" ( 6.267: "*+6'-3.6"6'05., 0+J1'"9.6"3&'"
: 703'6P0"56.267: "+0" * 6)"C: +1;" [ . . 4: 7, SE-.33)"%&'"4'5763: ', 3P0".99+-'": 7, 72'6"+0" * 766'117"
b+10., "7,4"3&' "4'5763: ',3P0"9+0-71"3'-&,+-+7,"+0"Y6)"K0&"\+-@'60.,)"
              %&'"*'5763:',3".9"D./,0'1+,2"7,4"\/:7,"E'68+-'0"+0"7"4'5763:',3"?+3&+,"3&'"*764',"
D.11'2'".9"C4/-73+.,"7,4"(6.9'00+.,71"E3/4+'0)"%&'"*'7,".9"3&'"*764',"D.11'2'".9"C4/-73+.,"
7,4"(6.9'00+.,71"E3/4+'0"+0"*6)"%7::+"*+-')"
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) 'NA,%&	! F+\$%&	) A%OF+&?'NA,&	
DFG^"e\$0""	K487,-'4"D./,0'1+,2"E/5'68+0+.,""	#"	
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e\$e"	D./,0'1.6"C4/-73+.,<"E/5'68+0+.,<"			
	7,4"L'0'76-&"=.,"^.69.1@"D7:5/0>"			
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\*.-3.671"03/4',30"?+11"4'8'1.5"7"?6+33',"517,"9.6"-.:51'3+,2"3&'+6"4'26''"=+,-1/4+,2"7"
0-&'4/1'"9.6"6'2+03'6+,2"9.6"-./60'0"3&6./2&./3"3&'"4'26''"56.267:>"?+3&"3&'+6"748+0.6"'761;"+,"
3&'+6"9+603"0':'03'6)"%&+0"517,"-7,"J'":.4+9+'4"70",''4'4<"J/3"7,;"-&7,2'0"0&./14"J'"6'8+'?'4"
7,4"7556.8'4"J;"3&'"97-/13;"748+0.6)"

E3/4', 30": 7; "6'2+03'6"9.6"-./60'0"'7-&"3'6: "?+3&./3"-.,0/13+,2"3&'+6"97-/13; "748+0.6)"

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- \* . -3 .671"03/4' ,30"76'"6' A/+6'4"3 . " . \$3'7 &"7"D \ E" . /60'" ? +3&"7"D \ E"97 /13; " : ' : J '6<" J '9 .6'"3'7 &+ ,2"7" . /60'"0 .1 . "=')2)<"70"3&'"+,036/-3 .6" .9"6' .64>""

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L'S`71+473+.,".9"F/3S.9S" \*73'"[674/73'"D6'4+3"J;" CQ7:+,73+.,"

[#V [674/73'" E3/4+'0" L'A/+6'4".,1;"+9"2674/73'"03/4',30"&78'"

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 $& *78'"J'', "-.: 51'3'4"7, 4"? \& +-\&": /03"J'"37@', "70"5763".9"3\&'"03/4', 3P0" (\&) *)"56.267:)"\%\&'" \\ 748+0.6"710."? +11"4'3'6:+, '"?\&'3\&'6"-6'4+30"-.: 51'3'4"793'6"3\&'"03/4', 3"'76, '4"3&'+6": 703'6P0" \\ 4'26''"? +11"367, 09'6"+, 3."3&'"4.-3.671"56.267:)"R9"367, 09'6"-6'4+30"76'"7556.8'4<"3&'"748+0.6"?+11" \\ 9+1'"3&'"F99+-'".9"[674/73'"E3/4+'0"i.6:"[]"=C871/73+., ".9"%67, 09'6"D6'4+30>)"E3/4', 30"0&./14" \\ J6+, 2"3&73"-.: 51'3'4"9.6:"3."3&'"748+0+, 2"755.+, 3:', 3"+9"3&';"?+0&"3."&78'"-./60'0"367, 09'66'4)"R3" \\ +0"/, /0/71"3."7556.8'":.6'"3&7,"]!"367, 09'6"-6'4+30)"R9"+3"+0"7, 3+-+573'4"3&73"7,;".9"3&'"4.-3.671" \\ 03/4', 3P0"-6'4+30"?+11"J'":.6'"3&7,"'+2&3";'760".14"J;"3&'"3+:'"3&'"03/4', 3"2674/73'0<"3&'"748+0.6<" \\ /5., "3&'"03/4', 3P0"6'A/'03<"?+11"7667, 2'"9.6"3&'"03/4', 3"3."/5473'"3&.0'"-6'4+30"J;"37@+, 2"7, " \\ 'Q7:+, 73+., "J'9.6'"3&'"', 4".9"3&'"03/4', 3P0"0'-., 4"0':'03'6<"7, 4"?+11"9+1'"3&'"F99+-'".9"[674/73'"E3/4+'0"i.6:"[#"=L'S^71+473+.,".9"F/3S.9S*73'"D6'4+3"J;"CQ7:+, 73+., >)"E3/4', 30"0&./14" \\ 56.8+4'"3&'+6"748+0.6"?+3&"3&73"-.:51'3'4"9.6:"73"3&'"3+:'"+3"+0"4'3'6:+, '4"3&73"3&'"./3S.9S473'" \\ -./60'0"&78'"J'', "871+473'4"3&6./2&"'Q7:+, 73+.,)"$ 

\_;"3&"", 4".9"3&""03/4", 3P0"9+603"0': '03'6"+, "3&""(&)\*)"56.267: <"3&""03/4", 3"7, 4"748+0.6"
?+11"'037J1+0&"3&""03/4", 3P0"56.267: ".9"03/4;<"?&+-&"?+11"+, -1/4'U"7"1+03+, 2".9"711"6'A/+6'4"-./60'0<"
7,"+, 4+-73+., ".9"?&+-&"0': '03'60"3&'"03/4', 3"?+11"-.: 51'3'"3&.0'"-./60'0<"7, 4"7"0-&'4/1'"9.6"
-.: 51'3+, 2"711".3&'6"6'A/+6': ',30"9.6"3&'"(&)\*)"4'26''"+, -1/4+, 2"?6+33', "7, 4".671"-7, 4+47-;"
'Q7:+,73+.,0<"3&'"4+00'6373+.,"56.5.071<"3&'".671"'Q7:+,73+.,".9"3&'"9+,71"4+00'6373+.,\*77,4"3&'"
6'A/+6': ',3"3&73"3&'"4'26''"J'"-.: 51'3'4"?+3&+,"'+2&3";'760".9"3&'"J'2+,,+,2".9"3&'"4.-3.671"
4'26''"56.267: ".9"03/4;"793'6"J'+,2"74:+33'4)"%&'"03/4',3P0"56.267: ".9"03/4;"?+11"J'"0+2,'4"7,4"
473'4"J;"3&'"748+0.6<"3&'"03/4',3"7,4"3&'"2674/73'"56.267: "4+6'-3.6)"%&'".6+2+,71"-.5;"?+11"J'"
517-'4"+,"3&'"03/4',3P0"748+0+,2"9.14'6)"R9"-&7,2'0"76'": 74'"3."3&'"56.267: ".9"03/4',3P0"748+0+,2"9.14'6)"
56.267: ".9"03/4;"9.6: ":/03"J'"-.: 51'3'4<"0+2,'4<"7,4"517-'4"+,"3&'"03/4',3P0"748+0+,2"9.14'6)"

#### ! K%&5+NO%\*+i,&1OGF, 'A&

c73'6"+,"3&'"03/4',3P0"4'26''"56.267: <"3&'"03/4',3P0"748+0.6":7;".6":7;",.3"J'"-&.0',"J;"

7"4.-3.671"03/4', 3"70"3&'+6"4+00'6373+.,"-.::+33''"-&7+6)"%&'"03/4', 3P0"748+0.6":/03"J'"7"9/11S3+:'"
97-/13;":':J'6"?&."+0"7":':J'6".9"3&'"D./,0'1+,2"[674/73'"(6.267:"97-/13;"7,4"+0"-'63+9+'4"
9.6"2674/73'"+,036/-3+.,)"

%&' "03/4', 3P0"748+0.6"0'68'0"7", /: J'6".9"+: 5.637, 3"9/, -3+., 0"9.6"4.-3.671"03/4', 30)"%&'" 03/4', 3P0"748+0.6"0&./14"J'"-., 0/13'4"J; "03/4', 3"+9"3&'; "&78'"7, ; "A/'03+., 0".6"56.J1': 0"6'173'4" 3."3&'+6"7-74': +-"56.267:0)" b &+1'"3&'"03/4', 3P0"748+0.6"-7, "7,0?'6"A/'03+., 0"6'173'4"3."56.267: "6'A/+6': ',30<"03/4',30"76'"'Q5'-3'4"3."6'74"3&'"F\*G"2674/73'"-7371.2<"3&'"\*764',"D.11'2'".9" C4/-73+.,"7,4"(6.9'00+.,71"E3/4+'0"4.-3.671"&7,4J..@<"3&'"F\*G"4+00'6373+.,"2/+4'<"7,4"3&+0" &7,4J..@"J'9.6'"70@+,2"A/'03+.,0)"

 $\begin{array}{l} K3"7":+,+:/:<"3\&'"03/4', 3P0"748+0.6"', 0/6'0"3\&73"03/4', 30"\&78'"4'8'1.5'4"76'70., 7J1'"\\ 517,"9.6"-.::51'3+,2"3\&'+6"4'26''"56.267:0)"%\&'"748+0.60"0'68'"70":',3.60"9.6"03/4',30"J;"\\ 700+03+,2"3\&':"+,"9/63\&'6"4'8'1.5+,2"3&'+6"+4',3+3;"70"7"56.9'00+.,71"-./,0'1.6"7,4"74.53+,2"\\ 56.9'00+.,71"7556.7-&'0"3."3&'+6"?.6@"7,4"+,3'67-3+.,0"?+3&".3&'60)""%&'"748+0.6c"70"?'11"70".3&'6"\\ 97-/13;":':J'60<"-7,"710."J'"8'6;"&'159/1"+,"700+03+,2"03/4',30"+,"5/60/+,2"':51.;:',3"70"\\ -./,0'1.6"'4/-73.60".6"1'74'60"+,"3&'"-./,0'1+,2"56.9'00+.,".,-'"3&';"&78'"-.:51'3'4"3&'+6"\\ 4'26''"56.267:0)" \end{array}$ 

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 $\%\&'''6'0'76-\&''0@+l10''6'A/+6':',3"+,"3\&'''-./,0'1+,2"(\&)*)"56.267:"+0":'3"J;"03/4',30"-.:51'3+,2"3\&'''6'0'76-\&''-./60'0''6'A/+6'4"+,"3\&'''56.267:".9"03/4;)"b\&',"03/4',30"-.:51'3'" DFG^"e#X"=K487,-'4"D./,0'1+,2"L'0'76-&"*'0+2,"7,4"K00'00:',3>"?+3&"7"2674'".9"_S".6"&+2&'6<"3&';"?+l1"&78'"-.:51'3'4"3&'''6'0'76-&"0@+l10"'Q7:+,73+.,"6'A/+6':',3)"b\&',"3&';"&78'"-.:51'3'4"3&+0"6'A/+6':',3<"03/4',30":$ 

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- N) G5., "&'76+, 2"96.: "3&'"-.:: +33''": ': J'60"? +3&+, "7"?''@<"3&'"748+0.6", .3+9+'0"3&'" 03/4', 3"7, 4".3&'6"-.:: +33''": ': J'60".9"3&'"?6+33', "'Q7:+, 73+., "6'0/130<"7, 4"56.-''40" 3."3&'".671"'Q7:+, 73+.,)""
- ]H) b & ', "3& '"03/4', 3"+0", .3+9+'4"3&73"

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'07:+,73+.,)"

\$) %&'"03/4',3<"3&'"3?."-.::+33''":':J'60<"7,4"3&'"[674/73'"(6.267:"\*+6'-3.6"?+11"J'",.3+9+'4".9"3&'"6'0/130".9"3&'"03/4',3P0"'Q7:+,73+.,"J;"3&'"03/4',3P0"748+0.6",."173'6"3&7,"3&'",'Q3"47;"793'6"3&'".,'S?''@"5'6+.4)"

R9"7"03/4', 3"97+10"3&'" ? 6+33', "-7, 4+47-; "'Q7:+, 73+., <"3&'; ": /03"37@'"7, 4"5700"7"0'-., 4" ? 6+33', "'Q7:+, 73+., "? +3&+, "., '"; '76)" i 7+1/6'"3. "37@'"7"97+1'4"? 6+33', "'Q7:+, 73+., "? +3&+, "., '"; '76" .6"7"97+1/6'"., "7"0'-., 4"74:+, +03673+., ".9"3&'"? 6+33', "'Q7:+, 73+., "? +11"6'0/13"+, "3&'"03/4', 3P0" 4+0: +0071"96.: "3&'"4.-3.671"56.267:)"

## / A''\$& ) "\*OFO"EP&4W" CF\*"+F'\*&

%&'".671"-7,4+47-;"'07:+,73+.,".--/60"793'6"0/--'009/1"-.:51'3+.,".9"3&'"?6+33',"

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9.6: "?+11"J'"-.: 51'3'4"J; "3&'"03/4', 3"7, 4"?+11"J'"4'1+8'6'4"3."3&'" [674/73'"(6.267: "\*+6'-3.6)"

 $\begin{array}{c} R9"7"03/4', 3"97+10"3\&'".671"-7, 4+47-; "'Q7:+, 73+.., <"3\&'; ":/03"37@'"7, 4"5700"7"0'-.., 4".671" \\ 'Q7:+, 73+.., "56+.6"3."3\&'"', 4".9"3\&'", 'Q3"0':'03'6)"%\&'"?6+33', "-7, 4+47-; "'Q7:+, 73+.., "4.'0", .3" \\ \&78:"3."J'"6'37@', "+9"+3"?70"5700'4"'761+'6)"i7+1/6'"3."6'37@'"7"97+1'4".671"'Q7:+, 73+.., "J;"3&'"', 4".9"3&'", 'Q3"0':'03'6".6"97+1+, 2"3."5700"3&'".671"'Q7:"., "3&'"0'-.., 4"74:+, +03673+.., "?+11"6'0/13"+, "3&'"03/4', 3P0"4+0:+0071"96.:"3&'"4.-3.671"56.267:)" \end{array}$ 

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E3/4',30": 7;"+,9.6: 711;"-.,0/13"?+3&"7,;"97-/13;": ': J'6"6'2764+,2"3&'+6"4+00'6373+.,"?.6@"56+.6"3."-&..0+,2"7,"748+0.6".6"7"4+00'6373+.,"-.::+33''"-&7+6)"C8',"793'6"03/4',30"&78'"-&.0',"7,"748+0.6".6"7"4+00'6373+.,"-.::+33''"-&7+6<"3&';":7;"-.,3+,/'"3."+,9.6:711;"-.,0/13"?+3&".3&'6"97-/13;":':J'60<"7,4":7;"6'A/'03"-&7,2'0".9"748+0.60<"-.::+33''"-&7+60<".6"-.::+33''"-&7+60<".6"

 $\begin{array}{c} \mathbf{K}''(\&)*)"03/4', 3P0"4+00'6373+.,":/03"\mathbf{J}'"6'173'4"3."3\&'+6"76'7".9"'Q5'63+0'"?+3&+,"\\ -./,0'1+,2)"\mathbf{K}6'70".9"'Q5'63+0'":7;"+,-1/4'<"\mathbf{J}/3",.3"1+:+3'4"3.<"-./,0'1.6"'4/-73+.,<"\\ 0/5'68+0+.,<"-1+,+-71":',371"&'713&"-./,0'1+,2"1'74'60&+5<"7,4"0-&..1"-./,0'1+,2"1'74'60&+5)"\\ \%\&'"97-/13;":':\mathbf{J}'6"7"03/4',3"0'1'-30"3."-&7+6"3&'+6"4+00'6373+.,"-.::+33''":/03"\mathbf{J}'"\\ @,.?1'42'7\mathbf{J}1'"?+3&+,"3&'"76'7".9"-./,0'1+,2"3&'"03/4',3"517,0"3."03/4;)" \end{array}$ 

 $\begin{array}{c} F \ , -\ ''7''03/4\ ' \ , 3"\&70" \ : \ 74\ ''56'1+\ : \ + \ , \ 76\ ;"4'-+0+\ . \ , \ 0"6'2764+\ , \ 2"3\&'+6"4+00'6373+\ . \ ,"7\ , \ 4"\&70" \\ +4' \ , \ 3+9+'4"7"97-/13\ ;"\ : '\ : \ J'6"?\&."3\&'"03/4'\ , \ 3"56.\ J7JI\ ;"\ ?+11"70@"3\ ."-&7+6"3\&'"4+00'6373+\ . \ ,"\\ -\ .\ : \ : \ +33'''3\&'"03/4'\ , \ 3"\ : \ 7\ ;"J'2+\ ,"3\ ."?\ .6@"+\ , 9\ .6\ : \ 711\ ;"\ ?+3\&"3&73"97-/13\ ;"\ : '\ : \ J'6"\ . \ .3&"3\&'"\\ 4\ .-3\ .671"03/4'\ , \ 3"7\ , \ 4"3\&'"97-/13\ ;"\ : '\ : \ J'6"?+11"&78'"3\&'"/\ , \ 4'6037\ , \ 4+\ , \ 2"3&73"3&'"03/4'\ , \ 3"\ : \ 7\ ;"\\ -&7\ , \ 2'"3\&'+6"\ : \ +\ , \ 4"7\ J\ ./3"\ ?\&.\ :"3\&'\ ;"\ ?+11"0'1'-3"3\ ."-&7+6"3\&'+6"4+00'6373+\ . \ ,"/5"/\ , \ 3+1"3\&'"\\ 4+00'6373+\ . \ ,"-\ .\ : \ : \ +33''"+0"9\ .6\ : '4<"?\&+-\&"\ .--/60"793'6"3\&'"?\ 6+33'\ ,"7\ , \ 4"\ .671"-7\ , \ 4+47-\ ;"\\ 'Q7\ : +\ , \ 73+\ .\ , \ 0"\&78'"\ J''\ ,"0/--'009/11\ ;"-\ .\ : \ 51'3'4)" \end{array}$ 

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 $03/4', 3"+0"', 6.11'4"+, "DFG^"eNN".6"DFG^"eNe"=*+00'6373+.., "E':+,76>)"K93'6"03/4', 30"\&78'"\\ 0/--'009/11;"-.:51'3'4"3&'+6"?6+33', "7,4".671"-7,4+47-;"'Q7:0"7,4"&78'"0/--'009/11;"56.5.0'4"\\ 3&'+6"4+00'6373+..,0<"3&';"76'"74:+33'4"3."-7,4+47-;)"K3"3&+0"5.+,3<"6'2+03'6+,2"9.6".,'"-6'4+3".9"\\ DFG^"eNN"-7,":7@'"3&':"7"9/11S3+:'"03/4',3"73"F*G)"%&.0'"?&."&.14"2674/73'"700+037,30&+50"\\ :/03"J'"9/11S3+:'"03/4',30)"R,".64'6"3."6'2+03'6"9.6".,'"-6'4+3"7,4"J'"7"9/11S3+:'"03/4',3<"F99+-'"\\ .9"[674/73'"E3/4+'0"i.6:"*$":/03"J'"-.:51'3'4"7,4"9+1'4)"E3/4',30"0&./14"J6+,2"3&73"9.6:"\\ -.:51'3'4"3."3&'"-&7+6".9"3&'+6"4+00'6373+.,"-.::+33''"+9"3&';"?+0&"3."37@'".,1;".,'"-6'4+3"7,4"\\ 03+11"J'"7"9/11S3+:'"03/4',3)"$ 

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K0"0...,"70"5.00+J1'"793'6"3&'"03/4',3"&70"0/--'009/11;"-.:51'3'4"3&'+6"?6+33',"7,4".671"
-7,4+47-;"'Q7:+,73+.,0<"3&'"03/4',3"0&./14"70@"7"97-/13;":':J'6"3."-&7+6"3&'+6"4+00'6373+.,"
-.::+33''"+9"3&';"&78'",.3"716'74;"4.,'"0.)"%&'"03/4',3P0"748+0.6"-./14"J'"70@'4"3."0'68'"+,"3&+0"
6.1'<"J/3"3&'"03/4',3"-./14"70@"7,.3&'6"'1+2+J1'"97-/13;":':J'6"3."-&7+6"3&'+6"4+00'6373+.,"
-.::+33'')"F,-'"7"97-/13;":':J'6"&70"726''4"3."-&7+6"7"03/4',3P0"4+00'6373+.,"-.::+33''<"3&'"
03/4',3"7,4"3&73"

!0"

, .3"711. ? '4"3."0 '68'". , "4+00 '6373+. , "- . : : +33' '0)"

# - . / = J 4 2 5 % j 6! ? % 5 ) ? 43 : J 67 0 % 2 44 ! 67 0 5 % j 6! ? % 9 1 ) : J ! > % 2 4 2 = 4 . 5 %

 $\begin{array}{c} i\,7-/13\,;"::':J'60"\&78'"7":/13+3/4'".9"6'05.,0+J+1+3+'0"+,-1/4+,2"3'7-\&+,2"-./60'0\\ -.\,,4/-3+\,,2"3\&'+6".?\,,"6'0'76-\&<"-.\,,0/13+\,,2"./30+4'"3\&'"/\,,+8'60+3\,;"5'69.6:+,2"-.::/\,,+3\,;"0'68+-'<7\,,4"0'68+\,,2".\,,"/\,,+8'60+3\,;"-.::+33''0)"K0"7"6'0/13<"3\&'+6"0-&'4/1'0"76'"8'6;"9/11)"Y''3+\,,20"?+3&"\\ 97-/13\,;"748+0.60"=+,-1/4+\,,2"3\&'"[674/73'"(6.267:"*+6'-3.6<"*.-3.671"E3/4',3"K48+0.60<"7,4"\\ *.-3.671"*+00'6373+.\,,"D.::+33''"D&7+60>"0&./14"J'"0-&'4/1'4"?'11"+,"7487,-')"E3/4',30":7;":70"*755.+,3:',30"?+3&"3&'+6"97-/13;"748+0.60"J;"-.\,,37-3+\,,2"3&':"J;"':7+1".6"J;"-711+\,,2"3&':"73"\\ 3&'+6"/\,,+8'60+3\,;".99+-'0)"R\,,"3&'"'8'\,,3"7"97-/13;":':J'6"+0"\,,3"787+17J1'"?\&'\,,"3&'"03/4'\,,3"-7110<"\\ 03/4'\,,30":7\,;"1'78'":'0072'0"J;"-711+\,,2"3&'"4'5763:',3".99+-'"73"IXISOe#S##!0".6"J;"517-+\,,2"7"\\ ,3'"+\,,"3&'"97-/13\,;":':J'6"+0"\,,3"6'05.\,,0+8'"3."6'70.\,,7J1'"6'A/'030"96.:"03/4'\,,30"\\ 9.6":''3+\,,20<"03/4'\,,30"0&./14"-.\,,0/13"3&'"[674/73'"(6.267:"*+6'-3.6"3."4'3'6:+,'"?&'3&'6"7",'?"748+0.6".6"4+00'6373+.,"-.::+33''"-&7+6"0&./14"J'"0'1'-3'4"7,4"755.\\ \end{array}$ 

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4+00'6373+.,"793'6"3&'+6"4+00'6373+.,"56.5.071"&70"J'',"7556.8'4)"E5'-+71"5'6:+00+.,"96.:"3&'" [674/73'"(6.267:"\*+6'-3.6":/03"J'".J37+,'4"3."6'2+03'6"9.6"9'?'6"3&7,"#"-6'4+30".9"4+00'6373+.," +,"7,;"0':'03'6"+,"?&+-&"4+00'6373+.,"-6'4+30"76'"'76,'4)"\*.-3.671"03/4',3"-7,4+473'0"?&."97+1"3." 6'2+03'6"'7-&"3'6:"?+3&./3"6'A/'03+,2"7,4"6'-'+8+,2"7"1'78'".9"7J0',-'":7;"J'"4+0:+00'4"96.:" 3&'"4.-3.671"56.267:)"

 $(\&)*)"03/4', 30": /03"J'"', 6.11'4"+, "73"1'703"., '"-6'4+3"3&'"0': '03'6"+, "?&+-&"3&';" \\ 2674/73')"DFG^"NNN".6"[LK*"NNN": 7;"J'"/0'4"3."9/19+11"3&+0"6'A/+6': ',3)"$ 

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%& '6'"76'"7", /: J'6".9"03'50"6'173'4"3."-.: 51'3+, 2"4+00'6373+., 0)"%& +0"0'-3+., "./31+, '0"3&'"56.-'00"03/4', 30"? +11"/0'"+, "-.: 51'3+, 2"3&'+6"4+00'6373+., 0)"

#### ! K%&3F,,%A+"+F'\*&5%CF\*"A&) 'NA,%&"\*O&+K%&3F,,%A+"+F'\*&-A',U%E+N,&

 $\%\&'"56.05'-3/0"7,4"3\&'"9+,71"4+00'6373+.,":/03"/3+1+B'"K:'6+-7,"(0;-\&.1.2+-71"K00.-+73+.,"=K(K>"03;1'"9.6"9+,71"56.4/-30"=,.3"9.6"0/J:+00+.,"3."6'9'6''4"\lambda./6,710"9.6"6'8+'?>)" \%\&'"03;1'".9"?6+3+,2"7,4"3&'"6'9'6',-'0"76'"3."-.,9.6:"3."K(K"03;1')"E5'-+9+-"2/+4'1+,'0"6'2764+,2"3&'"9.6:73"7,4"03;1'".9"3&'"4+00'6373+.,"76'"56.8+4'4"173'6"+,"3&+0"0'-3+.,)"$ 

%&'''56.05'-3/0"9.6"3&'''4+00'6373+.,"+,"3&'''D./,0'1+,2"[674/73'"(6.267:"+0"3&'"9+603"3&6'''"-8753'60".9"3&'"4+00'6373+.,)"%&'"+,9.6:73+.,"6'2764+,2"3&'"56.5.0'4"03/4;"+0"?6+33',"+,"9/3/6'"-3',0'"7,4"3&'"1+3'673/6'"6'8+'?"-8753'6"+0"?6+33',"+,"5703"3',0'"=3."-.,9.6:"3."K(K"03;1'>)"i.6"3&'"-9+,71"4+00'6373+.,<"793'6"3&'"4+00'6373+.,"03/4;"&70"J'',"-.:51'3'4<"3&'"9/3/6'"3',0'"/0'4"+,"-8753'6"3&6''"?+11"J''-87,2'4"3."5703"3',0')"

\*/6+,2"3&'"3'6: "03/4',30"76'"',6.11'4"+,"DFG^"eN,.2(5)-0.(.2457589.9143"J;"5')./4'6373+)"0'.2457(,7)

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4+00'6373+.,"03/4+'0<"5763+-/1761;"0/68';"03/4+'0<"+3"+0"5.00+J1'"7"03/4;":7;"J'"'Q':53"96.:"6'8+'?)"

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F99+-'".9" [ 674/73'"E3/4+'0"J; "3&'"1703"47; ".9"-1700'0<"03/4', 30"?+11", .3"2674/73'"3&73"0': '03'6<"7,4"?+11"&78'"3."?7+3"/,3+1"3&'"',4".9"3&'",'Q3"0': '03'6)"K,; "'Q-'53+.,0"3."3&+0"5.1+-;":/03"J'" 6'A/'03'4"96.: "3&'"L'2+03676P0"F99+-'"J; "3&'"-&7+6".9"3&'"03/4', 3P0"4.-3.671"-.::+33'')"

F, - '''3&''''4+00'6373+., -''-.:: +33''''-&7+6"+0"073+09+'4"? +3&"3&'"03/4', 3P0"46793".9"3&''' -.:: 51'3'4"4+00'6373+., <"3&'''-&7+6"? +11"0-&'4/1'''3&'''4+00'6373+., "4'9', 0''': ''3+, 2)"%&'''-&7+6"? +11"'', 0/6'''3&'''.3&'6"97-/13;": ': J'60"76'''787+17J1'''9.6"3&''': ''3+, 2"7, 4"? +11"0'-/6'''73+: ''"7, 4"517-''" 9.6"3&''': ''3+, 2"3."J''&'14)"%&'''4+00'6373+., "-.:: +33''''-&7+6"? +11"517-'"7, "7,,../,-':: ', 3"+, "3&'''/+8'60+3;"?+4'''7,,../,-':: ', 30"+, 8+3+, 2"3&'''/, +8'60+3;"-.:: /, +3;"3."733', 4"7, 4"? +11"+, 8+3''' 4'5763: ', 3"9/1183+: '"7, 4"5763S3+: '"97-/13;": ': J'60"7, 4"711"-/66', 3"-./, 0'1+, 2"4.-3.671" 03/4', 30"8+7"'S: 7+1"3."3&'"56.5.071": ''3+, 2)"%&'"7,,../,-':: ', 3"? +11"+, -1/4'"3&'"4+00'6373+., "3+31'<"7"3&6''".6"9./6"0', 3', -'"0/:: 76;".9"3&'"03/4;"=7J0367-3>"7, 4"3&'"473'<"3+: '<"7, 4"1.-73+., "9"3&'"56.5.071": ''3+, 2<"7, 4"3&'", 7: '0".9"3&'"4+00'6373+., "-.:: +33''": ': 'J'60"=?+3&"3&'": ': 'J'60"=?+3&"3&'": ': '3&.4.1.2+03"+4', 3+9+'4>)"

%&'"03/4',3"?+11"56.8+4'"3&'"-.::+33''":':':J'60<"3&6./2&"7,"'S:7+1"?+3&"7,"
7337-&:',3<"7"-.:51'3'"46793".9"3&'"4+00'6373+.,"7":+,+:/:".9"3?."?''@0"56+.6"3."3&'"0-&'4/1'4"
4+00'6373+.,"4'9',0')"R9"711"-.::+33''":':J'60"+,9.6:"3&'"4+00'6373+.,"-.::+33''"-&7+6"3&73"

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'8',3"+0"-.,3+,/'4"/,3+1"7"173'6"473'"?&',"7",'?".6"6'8+0'4"4.-/:',3"&70"J'',"56'576'4"J;"3&'" 03/4',3"7,4"6'8+'?'4"J;"3&'"-.::+33'')"R,"3&'"'8',3"7"4+00'6373+.,"4'9',0'"+0"97+1'4<"J;"F99+-'".9"

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# ) /: 754J / . &J6) 475: . 4&173&) 4 . &1696) 1 &16/ 7&

(&) \*)"-./,0"1+,2"03/4",30"76""',-./672"4"3."J'-.:"l+-',0"4"70"(6.9"00+.,71" D./,0"1.60".6"E-&..1"D./,0"1.60"+," `+62+,+7".6"3&'""/6+04+-3+.,"+,"?&+-&"3&';"517,"3."l+8""7,4" ?.6@)"E3/4",30"?&."517,"3."?.6@"70"0-&..1"-./,0"1.60"0&./14"J'-.:"l+-',0"4"70"0-&..1"-./,0"1.60"J;"3&'"E373""\*'5763:',3".9"C4/-73+.,"+," `+62+,+7".6"J'-.:'"-'63+9+'4".6"l+-',0"4"70"0-&..1"-./,0"1.60"J;"3&'"0373""4'5763:',3".9"'4/-73+.,"+,"3&'""/6+04+-3+.,"+,"?&+-&"3&';"517,"3."1+8""7,4"?.6@)"i.6"l+-',0/6""70"7"0-&..1"-./,0"1.6"+," `+62+,+7<"0-&..1"-./,0"1+,2"03/4',30",''4"3."9.11.?"711".9"3&'"03'50"./31+,'4"+,"3&'"7551+-73+.,"57-@'3"9.6"3&'"mE-&..1"D./,0"1+,2"(/5+1"(60.,,'1"c+-',0'n"787+17J1""."3&'""/7-&'6"C4/-73+.,"E'68+-'0"?'J0+3')"%&'"57-@'3"+0"-/66',31;"787+17J1""73"3&'"J.33.:".9"3&'"mR,+3+71" `+62+,+7"c+-',0""K551+-73+.,"7,4"D.11'2'" `'6+9+-73+.,n"572'"73"

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: ',371"&'713&"-./,0'1+,2<"3&';":/03":''3"3&'"4'26''"6'A/+6':',30"9.6"J.3&"DKDLC("7--6'4+3'4"-.,-',3673+.,0)"%&+0"?./14"+,-1/4'":''3+,2"3&'"-/66+-/176"6'A/+6':',30"9.6"'7-&"-.,-',3673+.,"
7,4"7":+,+:/:".9"7"OHHS-1.-@"&./6"+,3'6,0&+5"9.6"%"EK&-.,-',3673+.,<"9.6"7"3.371".9"]!HH"&./60".9"+,3'6,0&+5)"%&'"7?764+,2".9"3&'"4'26''=0>":/03".--/6"0+:/137,'./01;)"

-4.5/71 J&) /: 754 J67 0&

 $\begin{array}{c} K13\&./2\&"-./,0'1+,2"2674/73'"03/4',30":7;"',272'"+,"-.,8'6073+.,0"?+3\&"-./,0'1+,2"\\ 97-/13;":':\mathbf{J}'60"6'2764+,2"5'60.,71":733'60"+,"3\&'"-./60'".9"3\&'+6"03/4+'0<"+3"+0"+,7556.56+73'"\\ 9.6"-./,0'1+,2"97-/13;":':\mathbf{J}'60"3."\mathbf{J}'-.::"7"-./,0'1.6"9.6"7"-./,0'1+,2"2674/73'"03/4',3)"\\ \mathbf{i}7-/13;":':\mathbf{J}'60"7,4"-./,0'1+,2"2674/73'"03/4',30"0\&./14":7+,37+,"3&'+6"6.1'0"70"56.9'00.6"\\ 7,4"03/4',3"73"711"3+:'0"7,4"76'",3"'3&+-711;"711.?'4"3."',272'"+,"-./,0'1+,2".6"5'60.,71"\\ 6'173+.,0&+50)" \end{array}$ 

 $F*G"2674/73"03/4",30"76"",3+31"4"3."96""+,4+8+4/71"-./,0'1+,2"0'00+.,0"3\&6./2\&"\\F*G"D./,0'1+,2"E'68+-'0)"D./,0'1+,2"03/4",30"?\&."0''@"0'68+-'0"+,"3&'"-',3'6"0\&./14"\\+4',3+9;"3\&':0'18'0"70"-./,0'1+,2"2674/73'"03/4',30"0."3&';"?+11"J'"700+2,'4"3.":',371"&'713&"56.9'00+.,710"?\&."76'",.3"03/4',30"3&':0'18'0"+,"3&'"F*G"D./,0'1+,2"[674/73'"(6.267:0)"(6+87-;".9"-./,0'1+,2"2674/73'"03/4',30"+0"+,0/6'4"J;"F*G"D./,0'1+,2"E'68+-'0"03799":':J'60)"K1.,2"?+3&"+,4+8+4/71"5'60.,71"-./,0'1+,2"F*GP0"D./,0'1+,2"E'68+-'0".99+-'"56.8+4'0"50;-&.'4/-73+.,71"26./50".,"3.5+-0".9"+,3'6'03"3."2674/73'"03/4',30"7,4"':'62',-;":',371"&'713&"0'68+-'0)"$ 

 $\begin{array}{c} R, "744+3+..., "3."-../, 0'1+, 2"0'68+-'0"56.8+4'4"3."03/4', 30"..., "3\&'"F*G"-7:5/0<"\\ -../, 0'1+, 2"2674/73'"03/4', 30":7; "0''@"-../, 0'1+, 2"3&6../2&"56+873'"567-3+3+..., '60"+, "3&'"\\ -..:./, +3;)"E3/4', 30"?&."0''@"-../, 0'1+, 2"+, "3&'"-..:./, +3; ":7; "J'"'1+2+J1'"9.6"3&+64"5763; "\\ 6'+:J/60':', 3"9.6"-../, 0'1+, 2"0'68+-'0"+9"3&'; "&78'"7"5'60., 71"&'713&"+, 0/67, -'"517, "3&73"\\ 6'+:J/60'0"9.6"0/-&"0'68+-'0)"E3/4', 30"?&."0''@"56+873'"-../, 0'1+, 2"0'68+-'0"+, "3&'"-..:./, +3; "76'"', -../672'4"3."/3+1+B'"3&'"0'68+-'0".9"c+-', 0'4"(6.9'00+..,71"D./, 0'1.60"=c (D0>)" \end{array}$ 

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R, "3&'" '8', 3"7"03/4', 3"J'1+'8'0"3&73"7"9+, 71"2674'"9.6"7"-./60'"+0"/, 97+6<"3&'"56.-'4/6'"9.6" 755'71+, 2"7"2674'"3&73"+0"0'3"9.63&"+, "3&'"F\*G" [674/73'"D7371.2":/03"J'"9.11.?'4)"F,1;"9+,71" 2674'0"+,"-./60'0":7;"J'"755'71'4)"

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#) %&'"(6.267: "\*+6'-3.6<".6"4'0+2,''<"?+11"0''@"+,5/3"5'637+,+,2"3."3&'"0+3/73+.,"96.: "3&'" 03/4',3"7,4":7; "&.14"7": ''3+,2"?+3&"3&'"03/4',3"7,4"97-/13;": ': J'6"3."733': 53"3."6'0.18'"

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] H) %&'"\*'5763:',3"D&7+6"?+11"6'A/'03"755.+,3:',3".9"3&'"K55'710"D.::+33''"96.:"3&'"\*'7,P0".99+-')"%&'"D&7+6".6"4'0+2,''"700.-+73'4"?+3&"3&'"03/4',3"7,4"3&'"03/4',3"?+11"&78'"3&'"6+2&3"3."-&711',2'<"9.6"871+4"-7/0'<"7,;".6"711".9"3&'":':J'60".9"3&'"-.::+33''"7,4<"+,"3&73"'8',3<"6'517-':',30"?+11"J'"755.+,3'4<"7,4",."9/63&'6"-&711',2'"?+11"J'"5'6:+33'4)"%&'"-.::+33''"?+11"J'"70@'4"3."4'-+4'"?&'3&'6"4/+6'"3&'"03/4',3"3."37@'"3&'"6'-.::',473+.,0".9"3&'"\*\*'5763:',3"D&7+6)"%&'"-.::+33''"?+11"+,3'68+'?"3&'"D&7+6<"3&'"(6.267:"\*+6'-3.6".6"4'0+2,''<"3&'"97-/13;":':J'6".6"97-/13;":':J'60"?&."+,+3+73'4"3&'"-.,-'6,"7J./3"3&'"03/4',3<"3&'"03/4',3<"3&'"03/4',3<"3&'"03/4',3<"3&'"33."3&'"\*'5763:',3"D&7+6<"\*\*'5763:',3"3\*\*'5763:',3"D&7+6<"\*\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'5763:',3"D&7+6<"\*\*'73."3&'"\*'73."3&'"\*'73."3&'

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• E1''5+,2"+,"-1700V.3&'6"+,7556.56+73'"3+: '0"
     • i6'A/', 3"+, 3.Q+-73+.,"
       C: .3+., 71"E+2, 0"
     • R,7556.56+73'"': .3+.,71"./3J/6030"
     • *+6'-3"0373':',30"+,4+-73+,2"4+036'00"
     • CQ56'00+.,0".9"&.5'1'00,'00".6"0/+-+4'"
     • _ '&78+.6"3&73"467?0"5''6"-.,-'6,"
     • CQ722'673'4"5'60.,71+3; "367+30"=: .6'"?+3&467?, ".6"7,+:73'4"3&7, "/0/71>"
       K-74':+-"E+2,0"
     • * '3'6+.673+.,"+,"7-74':+-"?.6@"
     • *+0.627.+B'4".6"'6673+-"5'69.6:7.-""
     • L'5'73'4"7J0',-'0"7,4":+00'4"700+2,:',30"
     • L7,3+,2".6"3&6'73',+,2"':7+10"
     • D., 3+, 71"0''@+, 2".9"05'-+71"'Q-'53+., <math>0"
     b'"',-./672'";./"=03/4',30"7,4"97-/13;>"3."71'63"E3/4',3"F/36'7-&"h"E/55.63"+9";./"76'"
-.,-'6,'4"7J./3"7"03/4',360"?'11J'+,2)"EFE"?+11"700'00"3&'"0+3/73+.,<"56.8+4'"0/55.63<"7,4":70'"
6'9'66710"70", ''4'4)"%&+0"-7, "+, -1/4'"6'9'6671"3. "F*G"D76'0"7, 4"3&'"D76'"%'7: <"D./,0'1+,2"
E'68+-'0<".6"7"D70'"Y7,72'6)"
E3/4',30"7,4"97-/13;"-7,": 7@'"7"6'9'6671"&'6'U"
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&3350UW-:): 70+',3)-.: V6'5.63+,29.6:)5&5sF14\*.:+,+.,G,+8h17;./3f+4rX"

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K13&./2&"3&'"G,+8'60+3;"7,4"+30"D.11'2'0"&78'"7"876+'3;".9"56.-'4/6'0"9.6"4'71+,2"?+3&"03/4',3S

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7,4"D&7+6"

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E3/4', 30"+, "3&'"D./, 0'1+, 2" [674/73'" (6.267: "73"F\*G"&78'"3&'"676'".55.63/, +3;"3."03/4;" 7J6.74"4/6+, 2"3&'+6"4'26''"56.267: 0"7, 4"'76, "7-74': +-"-6'4+30"3&73"-./, 3"3.?764"3&'+6"4'26''0)""" %&'"+, 03+3/3'0".99'6'4"J;"3&'"D./, 0'1+, 2" [674/73'" (6.267: "73"F\*G"+, -1/4'"6+-&":/13+-/13/671" 'Q5'6+', -'0"+, "9.6'+2, "-./, 36+'0)"R, 03+3/3'0"76'"1'4"J; "F\*G"-./, 0'1+, 2"97-/13;)"%&'"-.03".9"3&'0'" +, 03+3/3'0"-7, "J'"-.:5/3'4"+, "03/4', 30P"'Q5', 0'0"3.?764"6'-'+8+, 2"03/4', 3"1.7, 0)"F\*G"2674/73'" 700+037, 30"? &. "&78'"3&'+6"3/+3+., "57+4"J; "3&'"/, +8'60+3; "-7, "6'4/-'"3&'"-.03".9"3&'"+, 03+3/3'"J; "3&'"/.12, 3"-12, 3" (1.27) (

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# -KL3L&177:1J&-./0.455&.4-/.!&9/.2& )/:754J670& /J3&3/2676/7&:76H4.56!>&

E3/4',3P0"^7: 'U""""" """"""""""""""""""""""""""""""
%&'"03/4',3P0"748+0.6P0"^7: 'U"" <u>""</u>
*73'".9"R,3'68+'?U <u>""</u> =Y/03"J'":51'3'4"J;"K56+1"]"'7-&";'76)>"
) 'NA,%,&) 'CU\$%+%O& \78'";./"5'69.6:'4"74'A/73'1;"+,"/60'0";./":51'3'4"4/6+,2"3&'"5703";'76s" R9",.<"56.8+4'"+,9.6:73+.,"7,4"517,0"9.6"6':'4+73+.,"J'1.?)"
-%A('AC''*E%F*&1,,F,+''*+,KFU&R9";./"&78'"7,"700+037,30&+5<"&78'";./"5'69.6:'4"74'A/73'1;"4/6+,2"3&'"5703";'76s"*'0-6+J'"7,;".671".6"?6+33',"'871/73+.,0";./"&78'"6'-'+8'4"3&+0"5703";'76)"R9"56.J1':0"&78'"'(2+03'4"3&+0"5703";'76<"56.8+4'"+,9.6:73+.,"7,4"517,0"9.6"6':'4+73+.,"J'1.?)"
-A'BA''C&'(&5+NOP&  * .'0"3&'"0+2, '4"56.267: ".9"03/4;"+, "; ./6"748+0+, 2"9.14'6", ''4"3."J'": .4+9+'4"+, "7,;" ?7;s"R9"; '0<":51'3'"7", '?"(&)*)"(6.267: ".9"E3/4;"i.6:<".J37+, "0+2,73/6'0<"7,4"2+8'"3&'" .6+2+,71"3."3&'"[674/73'"(6.267: "*+6'-3.6"3."J'"517-'4"+, "; ./6"748+0+,2"9.14'6)"
-A'D%E+,&  K6'"; ./"+,8.18'4"+,"7,; "56.\"'-30"6'173'4"3.\"; ./6"43.671"4'26''"56.267: <\"J/3"76'\", .3\" 5763".9"7"/60'\".6"700+037,30&+5\"700+2,:',30s\"R9\"; '0<\"4'0-6+J\"J'1.?)\"R9\"744+3+.,71\"56.\"'-30\"76\" 0/22'03'4\".6\"-&7,2'0\"+,\"56.\"'-3\"7-3+8+3+'0\"&78\"J'',\"0/22'03'4\"3.\"; ./<\"4'0-6+J\"3&'0\"\" 0/22'03+.,0\"J'1.?)\"
) '*(%A%*E%t1++%*O''*E%t''*Ot-A'BA''C,t \78'";./"56'0',3'4"56.267:0"73"7,;"56.9'00+.,71",9'6',-'0"+,"3&'"5703";'76s" *.";./"&78'"7,;",9'6',-'"56.267:"56.5.0710"5',4+,2s""R9";'0<"4'0-6+J'"J'1.?)"

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## 91):J!>&-./96J45&

& \_ '1. ?"76'"5&.3.0"7,4"J7-@26./,4"0/::76+'0".9"3&'"9/11S3+:'"97-/13;":':J'60"+,"3&'"
D./,0'l+,2"[674/73'"(6.267:)"C7-&"97-/13;":':J'6"710."&70"7"?'J"572')"
"

3 AL& 7 F\*''&=A'R\*&& \*#A'R\*m'ONL%ON

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 $*6) "C: +1; "[ ...4:7, SE-.33" +0"7, "K00.-+73" (6.9'00.6".9"D./,0'1+,2"73" F*G<"[674/73" (6.267:"*+6'-3.6".9"3&'":703'6P0" h"C4E"56.267: <"7,4"3&'"E-&..1"D./,0'1+,2"D..64+,73.6)" \ '6"56+:76; " 6'0'76-&"+,3'6'03"+0"+,"0-&..1"-./,0'1+,2"+,-1/4+,2":/13+S3+'6'4"0;03':0".9"0/55.63k"56'57673+.,<" 7,4"567-3+-'k"-./,0'1+,2"-&+146',"?+3&"05'-+71",''40k"7,4"56'8',3+.,)"E&'"'76,'4"J.3&"7"(&)*)"$ 

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#### 3 AL& 4 O& 7 %NSANB&& %\*\*%NSANBm 'ONL%ON&

\*6)"C4" ^ ' /@6/2"+0"7" (6.9'00.6".9"D. / ,0'1+,2)" \ +0": 7\".6"0-&.1760&+5"76'70"+,-1/4'"56.9'00+.,71" +00/'0"+,"-./,0'1+,2<"'3&+-0<"3'03+,2"7,4"700'00: ',3<"-./,0'1+,2"3&'.6+'0"7,4"0@+110<"7,4"97:+1;" -./,0'1+,2)"" \ '"&70" ? 6+33',"]]"J..@0"7,4"4.B',0".9"763+-1'0)" \*6)" ^ ' /@6/2"6'-'+8'4"&+0"C4) \*)" 96.: "3&'"G,+8'60+3;".9"D+,-+,,73+)" \ '"+0"7"\_.764"D'63+9+'4" \ /:7,"E'68+-'"(6.9'00+.,71"=\_DSS \ E(×" ^73+.,71"D'63+9+'4"D./,0'1.6"= ^DD×"7"c+-',0'4"(6.9'00+.,71"D./,0'1.6"=c (D×"7,4"7" c+-',0'4"(0;-&.1.2+03"+,"Y7007-&/0'330)" \ +0"?'J572'"-7,"J'"8+'?'4"73" ???).4/)'4/\"t'.'/@6/2".6"&3350\"W???).4/)'4/\"4+6'-3.6:\"5'.51'\"V'V.'/@6/2)"

8 8 8 3 AL& 1 C#%A& - 'U%&

"\\$^U'U\m'ONL\%ON\&&

\*6)"K: J'6"c)"(.5'"+0"3&'"c'-3/6'6".9" [674/73'"Dl+,+-71"D..64+,73.6"+,"3&'"D./,0'1+,2" h"\/:7," E'68+-'0"(6.267:"73"F\*G)"\*6)"(.5'"6'-'+8'4"(&)\*)"+,"D./,0'1.6"C4/-73+.,"7,4"&'6"Y)E)"+," D.::/,+3;"D./,0'1+,2"96.:"3&'"G,+8'60+3;".9"^.63&"D76.1+,7"73" [6'',0J.6.)"E&'"+0"7"c+-',0'4" (6.9'00+.,71"D./,0'1.6"=c(D\times"7,4"&70"?.6@'4"+,":/13+51'"-.::/,+3;"J70'4"0'33+,20\":.03" 6'-',31;"+,"56+873'"567-3+-')"\*6)"(.5'"05'-+71+B'0"+,"3&'"76'70".9"-./51'0"-./,0'1+,2\"0'Q/71+3;" -.,-'6,0\"2',4'6"7,4"0'Q/71+3;"4'8'1.5:',3\"7,4"c[\_\%j\$6'173'4"-./,0'1+,2)"\*6)"(.5'P0" ?'J572'"-7,"J'"8+'?'4"73"

<u>&3350UW???).4/)'4/V4+6'-3.6;V5'.51'V7V71]5.5'"</u>"

",EKRF+nm 'ONL%ON&

3 Al& j ''OP&5EKRF+n%A&&

\*6)"K17, "= b . . 4;>"E-&?+3B'6"+0"7" (6.9'00.6".9"D./,0'1+,2)" \ +0": 7\! . 6"0-&.1760&+5"76'70".9"+,3'6'03" 7,4"05'-+713+'0"+,-1/4'"/,+8'60+3;"7,4"-.11'2'"03/4',3"74\!/03: ',3\!/4'8'1.5: ',3\!/1'76,+,2\!/7,4" -./,0'1+,2\!/70"? '11"70"4+72,.0+0\!/"-.,-'53/71+B73+.,\!/7,4"36'73: ',3"517,,+,2)"\*6)"E-&?+3B'6" 6'-'+8'4"&+0"(&)\*)"+,"D./,0'1+,2\!/"(0;-&.1.2;"96.:" `+62+,+7"D.::.,?'713&"G,+8'60+3;)" \ '4\!"(3)0.2(;)" \ )-0.2

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		! ! D?-\$'!ACGE!	%&3#,:!35&(&'#2#*-'!(.*++(:!&'/2/&6&'#:!#*6&! 62'2/&6&'#:!2'%!6-5&8!! ! ?+2((@!?-\$'!ABC!
aL=Lc& . %,%''AEK& ''*O& 5EK'\$''A,KFU&	"#\$%&'#(!) *++! %&7&+-3! 2335-35*2#&! 5&(&251,! P\$&(#*-'(!0-5! 35-0&((*-'2+! 5&(&251,!2'%! 3\$=+*12#*-'8!	? \$#\$"(2<\\(5('3'\)#"+\!\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	@-##\$(,",-'.\%?\$#\$"(2<\\5('3'#"\1!!\ K'(\#5\\$1\#-5!\#-!2335-7\&!2'!\*'\*\#\2\!\\\520\\!-0!\ 3-((\*\=\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

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