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T0#7"&$:>(&23(!'&22,275(L0$&"/@02/(#8

ABCDEDGFBHC	?0''B+0,27(#8(Y#*/:(6&"07,R0"%(&23(,/%(=880-/(#2(!*"%*,27(&(6&"00"(,2(T0",&/",-%	A#	IN5NXN(	IH(	IN5NXN(	ID5GGE(
ABCDEDFFBHC	."&2%$#"/&/,#2(1%%0/(J&2&70@02/	A#	ICCX5GDM(	IH(	ICCX5GDM(	IGU5MFN(
ABCDEMEMBHC	;$&/,&'(L,%/",+*/,#2(J#30'(8#"(J&2*"0(8"#@(!0"@,//03(61WP%(,2(/:0(J&*@00(?&/0"%:035(P:,#	A#	IGM5XME(	IH(	IGM5XME(	IGM5XME(
ABCDEMNCBHC	Z1KB&%%#-,&/03(Z0&'/:(=880-/%(&23(1,"+#"20(J,-"#->%/,2(40R0'%(1@#27([0-"0&/,#2&'(4&\0(]%0"%	A#	ICGG5NGN(	IH(	ICGG5NGN(	IDH5HEC(
ABCDEMNUBHC	=880-/,R020%%(,2(/:0(M[(!"#7"&@(,2(K0%/(J&2&70@02/(!"&-/,-0(Q@$'0@02/&/,#2	A#	ICDH5XXF(	IH(	ICDH5XXF(	

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J *%,-5(L0$&"/@02/(#8

ABCDEFNCBHC	1([&23#@,003(!:&%0(D(.",&'(#8(1 JHHCH(,2(6#@+,2&/,#2(9,/:(!0@+"#',0*@&+(R%<(!0@+"#',0*@&+(1'#20(&%(W,"%/B',20(.:0"&$>(,2(!&/,02/%(9,/:(J0/&%/&/,-(A#2B;@&''(60''(4*27(6&2-0"(9:#%0(.*@#"%(Z&R0(Z,7:(!LB4C(=^$"0%%,#2	Y0%	IX5UUX(	ID5UEN(	ICC5CDU(

J *%,-5(L0$&"/@02/(#8S

!#',/,-&'(;-,02-0(&23(!*+',-(13@,2,%/"&/,#25(L0$&"/@02/(#8

ABCDEMNUBHC	=880-/,R020%%(,2(/:0(M[(!"#7"&@(,2(K0%/(J&2&70@02/(!"&-/,-0(Q@$'0@02/&/,#2	A#	ICDH5XXF(	IH(	ICDH5XXF(	ICDH5XXF(

!#',/,-&'(;-,02-0(&23(!*+',-(13@,2,%/"	C<HH	ICDH5XXF(

!%>-:#'#7>5(L0$&"/@02/(#8

6BCHCDDCBCH	!"0B5(!0",B5(&23(!#%/B30$'#>@02/(."&_0-/#",0%(&23(J0-:&2,%@%(#8(!%>-:#$&/:#'#7>5(!%>-:#'#7,-&'(Z0&'/:(&23([0%,',02-0(#R0"(F(Y0&"%(#8(!"#%$0-/,R0(W#''#9B*$(,2(/:0([0%0"R0%	A#	IUC5DMM(	IDE5GFC(	INN5EGU(

1"/%(&23(40//0"%5(6#''070(#8

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1"/%(&23(40//0"%5(6#''070(#8

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?#"'3(4,/0"&/*"0%(&23(6*'/*"0%

[BCDGEUEBHE	;.1[.14a(6Z=4=[(!"#7"&@(8#"(6:,20%0(Z0",/&70(;-:##'(.0&-:0"%(&23(13@,2,%/"&/#"%	A#	IXC5EUF(	IX5CEE(	IXF5XDU(	IXF5XDU(

?#"'3(4,/0"&/*"0%(&23(6*'/*"0%S	G<HH	ICMM5FXM(
1"/%(&23(40//0"%5(6#''070(#8S	CD<GU	IC5NUG5NFD(

K*%,20%%(123(Q22#R&/,#25(6#''070(#8

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L0&2BK*%,20%%(6#''070

ABCDEUNEBHC	IC5EGE5XHH(

L,R(#8(.0-:(&23(13R(;#'*/,#2%BL.1;

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6/"(8#"(6"0&/,R0(Q2%/"*-/,#2

ABCDECMXBHC	!",2-,$'03(L0%,72(#8(&2(1*7@02/03([0&',/>(."&,20"(8#"(J03,-%	A#	IDF5UGN(	ICU5DCD(	IMM5NMF(	

6/"(8#"(6"0&/,R0(Q2%/"*-/,#2S

L,R(#8(.0-:(&23(13R(;#'*/,#2%BL.1;S

=3*-&/,#2(B(c*3,/:(Z0"+(6#''070(#8

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6*"",-*'*@(&23(Q2%/"*-/,#25(L0$&"/@02/(#8

6BCDUCHNBHG	J,%%,#2(=&"/:V(W*%,27(T4PK=(9,/:(A1;1(1%%0/%(/#(K*,'3(;>%/0@,-(Q22#R&/,#2(,2(;.=J(=3*-&/,#2	A#	IC5HCX5NND(	IMXG5FCE(	IC5UHD5EXX(	IGHH5UGX(
ABCDUFDFBHC	L0R0'#$,27($"#+'0@(%#'R,27(%\,''%(*%,27(%/*302/B7020"&/03($"#+'0@%(/:&/("0R0"%0(027,200"(Y#*.*+0(R,30#%	A#	IDHH5UNU(	IFF5DXE(	IDFF5XEC(	IH(
ABCDEHUHBHC	A][.][=;(!:&%0(QQV(=^$&2%,#2(&23(=R&'*&/,#2	A#	INEU5CMX(	IDDU5FGG(	IFFC5HXC(	IXMD5MCF(

=3*-&/,#2(B(c*3,/:(Z0"+(6#''070(#8

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6*"",-*'*@(&23((2%/"*-/,#25(L0$&"/@02/(#8

ABCDEMMEBHC	L0%,725(L0R0'#$5(&23(!,'#/((@$'0@02/&/,#2(#8(12((2/07"&/03(L*&'(4,-02%*"0(bJ,33'0(T"&30%(&23((2/0"R02/,#2(;$0-,&',%/S(.0&-:0"(=3*-&/,#2(&23(J&%/0"d%(L07"00(!"#7"&@	A#	ICCU5NHC(	IF5DUE(	ICDM5FUN(	ICDM5FUN(
ABCDEMFEBHC	P:,#((22#R&/,#2%(T"&2/BB!BCE(!&/:9&>%(#8(!"#@,%0(b!GS	A#	ICXU5CXE(	ICM5XCM(	IDHH5HHH(	IGM5HHH(
ABCDEUUMBHC	.0-:(!"0$(!&/:9&>%(T"&2/	A#	IUHH5FDH(	ICC5EED(	IUCD5UXD(	IUCD5UXD(
ABCDEEFFBHC	6&"00"B.0-:2,-&'(&23(13*'/(=3*-&/,#2	A#	ICH5HHH(	IH(	ICH5HHH(	ICH5HHH(
ABCDNHMXBHC	;*--0%%K#*23(6#280"02-0(B(A#"/:90%/(P:,#(.0-:(!"0$	A#	IF5DUF(	INMC(	ICH5HHH(	ICH5HHH(
[BCHEGCMBCF	6.=(.0&-:0"(!"0$&"&/,#2(&23([0/02/,#2	A#	IFU5HNX(	IM5FDD(	ICHH5HHH(	ICHH5HHH(

=3*-&/,#2(B(c*3,/:(Z0"+(6#''070(#8

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6*"",-*'*@(&23(Q2%/"*-/,#25(L0$&"/@02/(#8

[BCDDXDMBHE	.0-:(!"0$(!&/:9&>%(T"&2/	A#	ICUN5MGN(	IH(	ICUN5MGN(	ICUN5MGN(
	6*"",-*'*@(&23(Q2%/"*-/,#25(L0$&"/@0			N<DD		ID5HFC5FGD(

L0&2B=3*-&/,#2

ABCDEMFEBHC	P:,#(Q22#R&/,#2%(T"&2/BB!BCE(!&/:9&>%(#8(!"#@,%0(b!GS	A#	ICXU5CXE(	ICM5XCM(	IDHH5HHH(	ICHH5HHH(
	L0&2B=3*-&/,#2S			H<UH		ICHH5HHH(

=&"'>(6:,'3:##35(!:>%,-&'5(&23(;$0-,&'(=3*-&/,#2

6BCDGGDNBHU	!"#_0-/(4=1V((40&3,27(=3*-&/#"%(,2(13R&2-,27(Q2-'*%,R0(=&"'>(=3*-&/,#2	A#	IDDE5EED(	IE5HDG(	IDGD5EXU(	IDGD5EXU(

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13@,2,%/"&/,#25(6#''070(#8(=27,200",27

ABCDEMUDBHC	]230"%/&23,27(Z#9(Q2/07"&/03(6#@$*/&/,#2&'(.:,2\,275(=27,200",27(L0%,725(&23(J&/:0@&/,-%(6&2(Z0'$(;/*302/%(;#'R0(;-,02/,8,-(&23(.0-:2,-&'(!"#+'0@%(,2(6&"00"(.0-:2,-&'(=3*-&/,#2	A#	IC5GNN5DEX(	IMMH5XFC(	IC5XCX5CUF(	IUMU5MMX(

13@,2,%/"&/,#25(6#''070(#8(=27,200",27 H<GH IUMU5MMX(

K,#027,200",275(L0$&"/@02/(#8

6BCHXNXUBHCB?C	W,2,/0(='0@02/(12&'>%,%(#8(/:0(A09(!03,-'0(;-"09%	A#	IM5MHH(	IC5CHH(	IU5UHH(	IU5UHH(
6BCDHCUCBHF	J*'/,B8&-0/03(1$$"#&-:(/#(J#30',27(164(Q2_*">(J0-:&2,%@%	A#	IEM5XDH(	IDF5MFG(	IFM5GCG(	IFM5GCG(
6BCDMDDXBHMB?C	Qf]6[6V(K,#@0-:&2,-&'(=R&'*&/,#2(#8(/:0(A09'>(L0R0'#$03(L0-#@$"0%%,#2(;*"70">(."&2%8#"&@,2&'(g02/"&'(W&-0/0-/#@>	A#	IGE5GEM(	IG5EGE(	IMH5HHH(	IMH5HHH(
6BCDMDDXBHMB?D	Qf]6[6V(L0R0'#$@02/(#8(Z&"3(12/,+&-/0",&'(b.,Af17S(6#&/,27%(#2(P"/:#$03,-(Q2%/"*@02/%(W&+",-&/03(8"#@(.,B&''#>%	A#	IGE5HHH(	IM5HHH(	IMH5HHH(	IMH5HHH(
6BCDMDDXBHMB?G	Qf]6[6V(L0R0'#$@02/(#8(&2(Q22#R&/,R0(!#%/0",#"(!03,-'0BK&%03(;-"09(L0R,-0(8#"(J*'/,'0R0'(;0@,BL>2&@,-(;/&+,',0&/,#2	A#	IGE5GEM(	IG5EGE(	IMH5HHH(	IMH5HHH(

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6BCDMDDXBHMB?M	0f] 6 [6V(.&$0"03("03* - /,#2(#8(-0@02/(R#'*@0(,2(/ : 0($"#^,@&'(R0"/0+"&0(&3_&-02/(/#(/ : 0(8*%03(%07@02/(@&>(/"&2%'&/0(,2/#(&(30-"0&%03("&/0(#8(	IGM5XUH(

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K,#027,200",275(L0$&"/@02/(#8

ABCDEHENBHC	A0^/(T020"&/,#2(6&B!(60@02/%(8#"(."0&/,27(g0"/0+"&'BK#3>(W"&-/*"0%	A#	INN5EFD(	IGX5MUX(	ICCE5CUH(	
ABCDEGDMBHC	6:##%0(P:,#(W,"%/	A#	IGH5UDH(	IH(	IGH5UDH(	IGH5UDH(
ABCDEGDEBHC	6:##%0(P:,#(W,"%/	A#	IGUH5HHH(	IH(	IGUH5HHH(	IGUH5HHH(
ABCDEGEHBHC	6"0&/,27(&(6*'/*"0(#8(=2/"0$"020*"%:,$(8#"(=27,200",27(6#''070%	A#	IG5GFH(	IC5ECH(	IU5HHH(	ID5UHH(
ABCDEGNUBHC	1(209(/0-:2#'#7>(8#"(:,7:(>,0'3(-#2R0"%,#2(#8(+,#@&%%(-&"+#:>3"&/0%(/#(8*"&2%(8#"(+,#$"#3*-/%	A#	IGMD5FFD(	ICME5FFU(	IMXF5FXN(	ICFU5FFU(
ABCDEMHDBHC	K,#@0-:&2,-%(#8(;Q(c#,2/	A#	IDH5HHH(	IU5HHH(	IDU5HHH(	IDU5HHH(
ABCDEUDDBHC	MB$#,2/(K023,27(.0%/(#8(DH(;&@$'0%	A#	ID5HHH(	IUHH(	ID5UHH(	ID5UHH(

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K,#027,200",275(L0$&"/@02/(#8

ABCDEUDGBHC	J0-:&2,-&'(.0%/,27	A#	IM5NDH(	IC5CXH(	IU5FHH(	IU5FHH(
;BCDMDDXBHMB;C	6#''&+#"&/,R0([0%0&"-:V(Qf]6[6(8#"(.0-:2#'#7>(Q22#R&/,#2(8#"(A#R0'(6#%/B[03*-,27(&23(h*&',/>B=2:&2-,27(J*%-*'#%\0'0/&'(.:0"&$,0%	A#	IX5HHH(	IH(	IX5HHH(	IX5HHH(
;BCDMNMNBHCB;U	!WQV1Q[(B(..V((Z,7:(Y,0'3(!"#3*-/,#2(#8(W*"&2%(8"#@(K,#@&%%(Z>3"#'>%&/0%(*%,27(&(Z>+",3(=20>@0B(&23(6:0@#B-&/&'>/,-(.0-:2#'#7>	A#	IDF5EFM(	ICH5GHU(	IGF5FFF(	IDH5HHH(
;BCDUGEFBHU	?0&"(&2&'>%,%(#8(/:0(aDJ(&"/,8,-,&'(3,%-	A#	ICX5CXD(	IC5XCX(	IDH5HHH(	IDH5HHH(

K,#027,200",275(L0$&"/@02/(#8S CX<MU IC5HFE5CGC(

6:0@,-&'(&23(=2R,"#2@02/&'(=27,200",275(L0$&"/@02/(#8

6BCDDCNDBHN	Q23*%/",&'(6#2%#"/,*@(8#"(!#'>b0/:>'020(/0"0$:/:&'&/0S5(!=.	A#	IGDM5GUH(	IH(	IGDM5GUH(	IFN5GHU(
6BCDUCHNBHG	J,%%,#2(=&"/:V(W*%,27(T4PK=(9,/:(A1;1(1%%0/%(/#(K*,'3(;>%/0@,-(Q22#R&/,#2(,2(;.=J(=3*-&/,#2	A#	IC5HCX5NND(	IMXG5FCE(	IC5UHD5EXX(	IGHH5UGX(

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6 : 0@,-&'(&23(=2R,"#2@02/&'(=27,200",275(L0$&"/@02/(#8

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6,R,'(=27,200",275(L0$&"/@02/(#8

ABCDUFUNBHC	! WQV 1Q [(B(. . V(J *'/,8*2-/,#2&'( ] 230"9&/0"(; 0&'&2/%(9,/ : (4#27B.0"@(; *%/&,203([0'0&%0(W*2-/,#2&',/>	A#	I CGU5MCM(	I EM5GDC(	I CFF5NGU(	I MF5FGM(

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J0-:&2,-&'5(Q23*%/",&'5(&23(J&2*8&-/*",27(=27,200",275(L0$&"/@02/(#8

6BCCFFCCBCD	.*"+#@&-:,20">(6#@$*/&/,#2&'(10"#B1-#*%/,-%([0%0&"-:	A#	I FX5HFN(	I GC5NNG(	I CDF5XNH(	I CDF5XNH(
6BCCFFCCBCG	.*"+#@&-:,20">(6#@$*/&/,#2&'(10"#B1-#*%/,-%([0%0&"-:	A#	I GM5UEE(	I CG5FXF(	I MX5UUU(	I MX5UUU(
6BCCFFCCBCM	.*"+#@&-:,20">(6#@$*/&/,#2&'(10"#B1-#*%/,-%([0%0&"-:	A#	I UX5NHH(	I CE5NGH(	I NU5MGH(	I NU5MGH(
6BCDGCGUBHG	;@&''(.*"+,20(Q2%/,/*/0(6#2%#"/,*@	A#	I DE5FDE(	I X5ECE(	I GU5UMD(	I GU5UMD(
6BCDGEHMBHF	g!4BCDBHUC(J*'/,%/&70(.*"+#@&-:,20">(13R&2-03(6#@$*/&/,#2&'(.##'(L0R0'#$@02/(?CMC	A#	I UX5DFE(	I CU5CUN(	I NG5MUG(	I NG5MUG(
6BCDGEHMBCH	g!4BCDBHUC(J*'/,%/&70(.*"+#@&-:,20">(13R&2-03(6#@$*/&/,#2&'(.##'(L0R0'#$@02/(?CMC	A#	I CCF5EMH(	I DG5FDX(	I CMG5UEX(	I CMG5UEX(
6BCDGEHMBCC	g!4BCDBHUC(J*'/,%/&70(.*"+#@&-:,20">(13R&2-03(6#@$*/&/,#2&'(.##'(L0R0'#$@02/(?CMC	A#	I CDC5HGD(	I DM5DHE(	I CMU5DGX(	I CMU5DGX(
6BCDMCEDBHU	J,-"#%/"*-/*"&'(12&'>%,%(&23(;/"*-/*"0(!"#$0"/>([0'&/,#2%:,$%(,2(13R&2-03(J0/&'',-(J&/0",&'%	A#	I CCE5UCE(	I GH5DFG(	I CME5XHF(	I CME5XHF(

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J0-:&2,-&'5(Q23*%/",&'5(&23(J&2*8&-/*",27(=27,200",275(L0$&"/@02/(#8

6BCDMCEDBHUB;C	J,-"#%/"*-/*"&'(12&'>%,%(&23(;/"*-/*"0(!"#$0"/>([0'&/,#2%:,$%(,2(13R&2-03(J0/&'',-(J&/0",&'%	A#	INX5HEE(	IDH5DFE(	IFX5GED(	IFX5GED(
6BCDMCEGBHU	=^/02303(L*"&+,',/>(#8(J&/0",&'%(,2(10"#%$&-0(!"#$*'%,#2(&23(!#90"(;>%/0@%	A#	ICHH5FCF(	IDE5DGX(	ICDN5CUN(	ICDN5CUN(
6BCDMCEGBHUB;C	=^/02303(L*"&+,',/>(#8(J&/0",&'%(,2(10"#%$&-0(!"#$*'%,#2(&23(!#90"(;>%/0@%	A#	IEN5ECE(	ICN5UNF(	IXU5CFU(	IXU5CFU(
6BCDMCEMBHU	12&'>%,%(8#"(W*/*"0(1,"-"&8/(!"#$*'%,#2(;>%/0@%	A#	IMN5ENU(	ICD5GFU(	IEH5HNH(	IEH5HNH(
6BCDMCEMBHUB;C	12&'>%,%(8#"(W*/*"0(1,"-"&8/(!"#$*'%,#2(;>%/0@%	A#	IUG5GNH(	ICG5XNE(	IEN5DME(	IEN5DME(
6BCDMDHXBHU	10"#0'&%/,-(12&'>%,%(8#"(K#*23&">(4&>0"(Q270%/,27(Q2'0/BW&2	A#	ICDC5XXH(	IGC5EXF(	ICUG5UEF(	ICUG5UEF(

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J0-:&2,-&'5(Q23*%/",&'5(&23(J&2*8&-/*",27(=27,200",275(L0$&"/@02/(#8

6BCDMDHXBHE	10"#0'&%/,-(12&'>%,%(8#"(K#*23&">(4&>0"(Q270%/,27(Q2'0/BW&2	A#	IEC5XUN(	ICE5HXD(	INN5FGF(	INN5FGF(
6BCDMDCEBHU	12&'>%,%(&23(.0%/,27(#8(13R&2-03(J&/0",&'%(&23(;/"*-/*"0%(bXU.<HXS	A#	IFG5DCD(	IDM5DGU(	ICCN5MMN(	ICCN5MMN(
6BCDMDCEBHUB;C	12&'>%,%(&23(.0%/,27(#8(13R&2-03(J&/0",&'%(&23(;/"*-/*"0%(bXU.<HXS	A#	IED5XFF(	ICE5GUM(	INF5DUG(	INF5DUG(
6BCDMDCXBHU	13R&2-03(10"#%$&-0(;0&'%([0%0&"-:	A#	IXF5NXE(	IDG5GMM(	ICCG5CGH(	ICCG5CGH(
6BCDMDCXBHUB;C	13R&2-03(10"#%$&-0(;0&'%([0%0&"-:	A#	IUN5DCM(	ICM5XNE(	IND5HFH(	IND5HFH(

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J0-:&2,-&'5(Q23*%/",&'5(&23(J&2*8&-/*",27(=27,200",275(L0$&"/@02/(#8

6BCDUDEFBHU	6#@$*/&/,#2&'(Q2R0%/,7&/,#2(#8(.*"+,20(10"#3>2&@,-%(&23(Z0&/(."&2%80"BT'022Z.(6WL(12&'>%,%(b?P()CMS	A#	ICX5UXC(	IG5NCE(	IDD5DFN(	IDD5DFN(
6BCDUXGHBHG	L0R0'#$@02/(#8(6#@$*/03(.#@#7"&$:>(&23(L,7,/&'([&3,#7"&$:>(8#"(10"#%$&-0(J&/0",&'%(&23(W&-,',/,0%(P$0"&/,#2%		IEG5N */&/,(IEG5NCEG5N */N721 T5UE X2H9DEX'(%6#'&3 [illegible]			

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J0-:&2,-&'5(Q23*%/",&'5(&23(J&2*8&-/*",27(=27,200",275(L0$&"/@02/(#8

6BCDEDUEBHM	13R&2-03(10"#%$&-0(;0&'%([0%0&"-:(8#"([0,@+*"%0@02/%(Q2/0"&702->(17"00@02/(?,/:(L1[!1BPY"M	A#	ICD5DCE(	IG5CNU(	ICU5GFC(	ICU5GFC(
ABCDEHENBHC	A0^/(T020"&/,#2(6&B!(60@02/%(8#"(."0&/,27(g0"/0+"&'BK#3>(W"&-/*"0%	A#	INN5EFD(	IGX5MUX(	ICCE5CUH(	ICCE5CUH(
ABCDEGDDBHCB?C	!#"/(J&22(6&+'0(;2#9(J#2,/#",27(;>%/0@	A#	IME5HNG(	IG5GEG(	IMF5MGE(	IDM5NCX(
ABCDEGDDBHCB?D	!#"/(J&22(6&+'0(;2#9(J#2,/#",27(;>%/0@	A#	IEHC5GFG(	IGE5EDC(	IEGX5HCM(	IGCF5HHN(
ABCDEGEHBHC	6"0&/,27(&(6*'/*"0(#8(=2/"0$"020*"%:,$(8#"(=27,200",27(6#''070%	A#	IG5GFH(	IC5ECH(	IU5HHH(	ID5UHH(
ABCDEUUGBHC	;-&'&+'0(A&2#@&2*8&-/*",27(#8(.9#BL,@02%,#2&'(J&/0",&'%(+>(Z,7:(;$003(6#@$"0%%,+'0(T&%(W'#9(=^8#',&/,#2	A#	IDEE5EDC(	ICGC5FNN(	IGFX5UFX(	IGFX5UFX(

=27,200",275(6#''070(#8

2#/

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J0-:&2,-&'5(Q23*%/",&'5(&23(J&2*8&-/*",27(=27,200",275(L0$&"/@02/(#8

ABCDEFDHBHC	Q@$"#R0@02/(#8(:,7:B8"0j*02->($,$0(90'3,27($"#-0%%	A#	IDD5EMC(	IN5GUF(	IGH5HHH(	IGH5HHH(
ABCDNHCUBHC	13R&2-03(10"#%$&-0(;0&'%([0%0&"-:(8#"([0,@+*"%&+'0(.&%\(!'&2(9,/:(;,0""&(A0R&3&	A#	IDH5EHN(	IU5GUX(	IDU5FEU(	IDU5FEU(
;BCDUMGHBHCB;C	13&$/,R0(K,#B,2%$,"03(10"#%$&-0(;/"*-/*"0%(1-/*&/03(+>(;:&$0(J0@#">(1''#>%	A#	INE5CHD(	ICU5DDC(	IFC5GDG(	IFC5GDG(
	J0-:&2,-&'5(Q23*%/",&'5(&23(J&2*8&-/*			GU<UH		IG5DXU5CXG(

!#'>@0"(Q2%/,/*/0

6BCDDCNDBHN	Q23*%/",&'(6#2%#"/,*@(8#"(!#'>b0/:>'020(/0"0$:/:&'&/0S5(!=.	A#	IGDM5GUH(	IH(	IGDM5GUH(	IDDN5HMU(

=27,200",275(6#''070(#8S	XM<DX	I CC5XNE5CMC(

T"&3*&/0(; /*3,0%

2#/

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T"&3*&/0(; /*3,0%5(6#''070(#8

6BCDUDXXBHD	J 0&%*",27(. : 0(Q@$"#R0@02/%(. : "#*7 : (/ : 0( ] %0(#8(/ : 0(L>%,% k (6#'$#%-#$0(&23(/ : 0(L>%,%@&$ k (,2(L0/0-/,27(L>%$'&%,&(#8(/ : 0(60"R,^	A#	I D5GHX(	I EFD(	I G5HHH(	
6BCDUENCBHD	1(! : &%0(G(; /*3>(/#(=R&'*&/0(/ : 0(; &80/>(&23(=88,-&->(#8(='&7#',^(,2(6#@+,2&/,#2(9,/ : (=%/"&3,#'fA#"0/ : ,23"#20(1-0/&/0(,2(; *+_0-/%(9,/ : (J #30"&/0(/#(; 0R0"0(=23#@0/",#%,%B1%%#-,&/03(! &,2(! "#/#-#'(A#<(J CMBNHD	A#	I U5CMF(	I C5UMU(	I E5EFM(	I U5GUU(
ABCDUUDNBHC	1(! : &%0(G(; /*3>(/#(=R&'*&/0(/ : 0(=88,-&->(&23(; &80/>(#8(='&7#',^(,2(6#@+,2&/,#2(9,/ : (=%/"&3,#'fA#"0/ : ,23"#20(1-0/&/0(8#"(/ : 0(J &2&70@02/(#8(Z0&R>(J 02%/"*&'(K'003,27(1%%#-,&/03(9,/ : ( ] /0",20(W,+"#,3%(,2(! "0@02#$&*%&'(? #@02	Y0%	I EF5XNG(	I DH5FED(	I FH5XGU(	I MU5MCN(

T"&3*&/0(; /*3,0%5(6#''070(#8S	C<GH	I UH5NND(
T"&3*&/0(; /*3,0%S	C<GH	I UH5NND(

Z0&'/ : (e(Z*@&2(; 0"R,-0%5(6#''070(#8

2#/

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13@,2,%/"&/,#25(Z0&'/ : (&23(Z*@&2(; 0"R,-0%

Z0&'/:(e(Z*@&2(;0"R,-0%5(6#''070(#8

2#/

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13@,2,%/"&/,#25(Z0&'/:(&23(Z*@&2(;0"R,-0%

ABCDEMGHBHC	IN5UGC(

Z0&'/:(e(Z*@&2(;0"R,-0%5(6#''070(#8

2#/

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		;-:##'(#8(=^0"-,%0([0:&+(;-,02-0%S		M<HH		IE5GDU(

;-:##'(#8(Q2/0"R02/,#2(e(?0''20%%

ABCDNHMNBHC	4*-&%(6#*2/>([002/">(!"#7"&@	A#	INH5HNG(	IN5HHX(	INN5HXC(	INN5HXC(
	;-:##'(#8(Q2/0"R02/,#2(e(?0''20%%S			C<HH		INN5HXC(

;-:##'(#8(!#$*'&/,#2(Z0&'/:

6BCHCGCGBCD	AQP;Z(."&,2,27(T"&2/(!"#_0-/V(Q23*%/",&'(Z>7,020B]2,R0"%,/>.#'03#	A#	INH5NDN(	IC5DDM(	INC5FUC(	ICN5FXX(
6BCDGCMEBHN	;-:##'%(&%(6#@@*2,/>(Z*+%(B(!,-\0//	A#	ING5HHH(	ID5HHH(	INU5HHH(	INU5HHH(
6BCDGCMNBHN	6#@@*2,/>(;-:##'%(&%(Z*+%(B([#+,2%#2	A#	ING5HHH(	ID5HHH(	INU5HHH(	INU5HHH(
6BCDUUFXBHG	!"#@03,-&(=+0,3(Q2%/,/*/0(8#"(!#$*'&/,#2(Z0&'/:(=R&'*&/,#2	A#	IGC5XFM(	IE5GNF(	IGX5DNG(	IGX5DNG(
6BCDEUDMBHDB;C	Q2-"0&%,27(1--0%%(#8(."&*@&BQ28#"@03(6&"0(+>(6!;BQ2R#'R03(Y#*/:(&23(W&@,',0%	A#	IG5EHH(	IC5CNH(	IM5NNH(	IM5NNH(

Z0&'/ : (e(Z *@&2(; 0"R, - 0%5(6 #''070(#8

2#/

209

; - : ##'(#8(! #$*'&/,#2(Z0&'/ :

ABCDNHDDBHC	. : 0(@$& - /(#8(&(T'02# : *@0"&'(4&+"*@(2_*">(#2(A0*"#@*% - *'&"(6#2/"#'(#8(; : #*'30"(T,"3'0(&23( ] $$0"(=^/"0@,/>(J *% - '0%	I D5MNH(	I D5MNH(

Z0&'/:(e(Z*@&2(;0"R,-0%5(6#''070(#8

2#/

209

;-:##'(#8(;#-,&'(c*%/,-0S	U<EH	IUUM5XDC(
Z0&'/:(e(Z*@&2(;0"R,-0%5(6#''070(#8S	CX<XU	IFED5EXF(

Z*@&2([0%#*"-0%(e(6&@$*%(;&80/>

2#/

209

g!(8#"(Z[(e(6&@$*%(;&80/>

ABCDECFMBHC	]$9&"3(K#*23(J&/:(e(;-,02-0(!"#7"&@	A#	IDGX5MDE(	ICF5HNM(	IDUN5UHH(	IDUN5UHH(
[BCCHCNHBCC	]$9&"3(K#*23(!"#7"&@	A#	IMHD5FCN(	IDU5DCX(	IMDX5CGU(	IMDX5CGU(

g!(8#"(Z[(e(6&@$*%(;&80/>S	D<HH	IEXU5EGU(
Z*@&2([0%#*"-0%(e(6&@$*%(;&80/>S	D<HH	IEXU5EGU(

J03,-&'(;0"R,-0%

2#/

209

P!B6',2,-B;*"70">

ABCDEXCGBHC	J=L(;1W=V1(!"#7"&@(/#(!"#@#/0(!"0%-",$/,#2(L"*7(J,%*%0(!"0R02/,#2(=3*-&/,#2(8#"(Y#*/:	A#	IDF5EDX(	IM5GEF(	IGG5FFN(	IX5MFF(

J03,-&'(;0"R,-0%

2#/

209

P!B6',2,-B;*"70">S	H<DU	IX5MFF(
J03,-&'(;0"R,-0%S	H<DU	IX5MFF(

J03,-,20(&23(4,80(;-,02-0%5(6#''070(#8

2#/

209

1Z=6

[BHCHGGEBDM	1Z=6(!#,2/(#8(;0"R,-0(J&,2/02&2-0(&23(=2:&2-0@02/	A#	IFDD5MUX(	ICN5UNX(	IFMH5HGE(	IFMH5HGE(
			1Z=6S	C<HH		IFMH5HGE(

120%/:0%,#'#7>5(L0$&"/@02/(#8

6BCDMHNFBHU	[=4Q=WV(1(T'#+&'([07,%/">(/#(=R&'*&/0(4#27B.0"@(=880-/,R020%%(#8 A0*"#%/,@*'&/,#2(.:0"&$>(8#"(!&,2	A#	IDH5FCX(	IE5DNU(	IDN5CFM(	IDM5MNM(
6BCDMNHCBHM	![P(b!"0-,%,#2([0/"#%$0-/,R0(P*/-#@0%S(;/*3>	A#	ID5EGU(	INFH(	IG5MDU(	IG5MDU(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

209

120%/ : 0%,#'#7>5(L0$&"/@02/(#8

ABCDEHXUBHC	bA0*"#@#3*'&/,#2S(! &,2(W0''#9% : ,$	A#	IDH5HHH(	IH(	IDH5HHH(	IDH5HHH(
ABCDECMXBHC	! ",2-,$'03(L0%,72(#8(&2(1*7@02/03([0&',/>(. "&,20"(8#"(J03,-%	A#	IDF5UGN(	ICU5DCD(	IMM5NMF(	IMM5NMF(
ABCDEDENBHC	1641 J1.=(QQ(1*/#@&/03(6#72,/,R0(4#&3(1%%0%%@02/(8#"(J03,-&'(; /&88(."&,2,27(&23(=R&'*&/,#2	A#	IDG5CCH(	ICC5FHC(	IGU5HCC(	IGU5HCC(
ABCDEEHHBHC	. : 0([&23#@,003(&23(6#2/"#''03(A#2,280",#",/>(. ",&'(/#(=R&'*&/0(; &80/>(&23(6',2,-&'(=88,-&->(#8(/ : 0(; *"g0,' k (L"*7B6#&/03(K&''##2(,2(/ : 0(."0&/@02/(#8(; *+_0-/%(9,/ : (; /02#/,-(40%,#2%(#8(/ : 0(W0@#"#$#$',/0&'(1"/0">(6#@$&"03(/#(/ : 0(J03/"#2,-(QA<! 16 . I (13@,"&' I (L"*7B6#&/03(K&''##2<((b. [1A ; 6=ALS	Y0%	ICH5UMN(	IG5CEM(	ICG5NCD(	IC5GNC(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

209

120%/ : 0%,#'#7>5(L0$&"/@02/(#8

ABCDNHHHBHC	P : ,#(P$,#,3(12&'>/,-%(! "#_0-/	A#	I DD5CDE(	I D5DCG(	I DM5GGF(	I X5HGD(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

209

K,#-:0@,%/">(e(6&2-0"(K,#'#7>5(L0$&"/@02/(#8

ABCDECXHBHC	[#'0(#8(6m6 [MB41 ; !BC(&^,%(,2(@#3*'&/,27(/ :0(&-/,R,/>(#8(1"7#2&*/0DB.A [6E(,2(+"0&%/(-&2-0"(-0''%	A#	IDN5DNG(	ID5NDN(	IGH5HHH(	IGH5HHH(

K,#-:0@,%/">(e(6&2-0"(K,#'#7>5(L0$&	G<HH		ICGE5NUH(

W&@,'>(J03,-,205(L0$&"/@02/(#8

ABCDNHHHBHC	P:,#(P$,#,3(12&'>/,-%(! "#_0-/	A#	IDD5CDE(	ID5DCG(	IDM5GGF(	IX5HGD(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

209

J03(J,-"#+,#'#7>(e(0@@*2#'#7>5(L0$&"/@02/(#8

ABCDEMFEBHC	P : ,#(022#R&/,#2%(T"&2/BB ! BCE(! &/ : 9&>%(#8(! "#@,%0(b ! GS	A#	ICXU5CXE(	ICM5XCM(	IDHH5HHH(	IH(
[BCDHDFXBHF	6 : ##%0(P : ,#(W,"%/(; - : #'&"% : ,$(! "#7"&@(B(K,#,28#"@&/,-%(! "#7"&@	A#	IMD5GEE(	IH(	IMD5GEE(	IMD5GEE(
[BCDMXMNBHD	[0%/",-/,#2(#8(. ,- \BK#"20(W'&R,R,"*%(028 0-/,#2(,2(/ : 0(A&/*"&'(Z#%/	A#	IDU5HHH(	IH(	IDU5HHH(	IDU5HHH(

J03(J,-"#+,#'#7>(e(0@@*2#'#7>5(L0$ U<FH IFEG5EXX(

J03,-,205(L0$&"/@02/(#8

6BCDMCXGBHM	.&%\(P"30"()M((6#',%/,2(L J0J(CHBHHXD(! a(b6 [JS	A#	IbMC5HCXS	IbDH5FCFS	IbEC5FGNS	IbEC5FGNS
6BCDMEGHBHM	1(J*'/,-02/0"5(L#*+'0B+',235([&23#@,0035(! '&-0+#B-#2/"#''035(! : &%0(G(; /*3>(/#(1%%0%%(/ : 0(=88,-&->(&23(; &80/>(#8(P"&'(K ! ;BGCM3B J [(13303BP2(/#(."0$"#%/,2,'5(02 : &'03(b . >R&%# IS(,2(; *+_0-/%(9,/ : (! *'@#2&">(1"/0",&'(Z>$0"/02%,#2	A#	IU5FXG(	IC5NFU(	IN5NNX(	IN5NNX(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

209

J03,-,205(L0$&"/@02/(#8

6BCDMNFDBHG	6#220-/l(JL;f1J4(L,%0&%0([07,%/">	A#	lD5NME(	lXDM(	lG5UNH(	lG5UEF(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

209

J03,-,205(L0$&"/@02/(#8

6BCDUNEEBHD	J&-,/02/&2(,2(! *'@#2&">(Z>$0"/02%,#2(! #%/B408/(g02/",-*'&"(1%%,%/(L0R,-0(0@$'&2/&/,#2(b ; P ! [1APS<((! "#/#-#'(1 6BHUUBDHU	A#	ICD5EHE(	IG5NXD(	ICE5GXX(	
6BCDUFXXBHD	1(! :&%0(G([&23#@,0035(L#*+'0BK',235(1-/,R0B6#2/"#''03(J*'/,-02/0"(; /*3>(#8(/ : 0(4#27B.0"@(; &80/>(&23(=88,-&->(#8(; *+-*/&20#*%(13@,2,%/"&/,#2(#8(.&200*@&+(,2(; *+_0-/%(9,/ : (P%/0#&"/ : ",/,%(#8(/ : 0(Z,$(#"(a200n(! "#/#-#'(1MHFCHUX	A#	IU5GEU(	IC5ECH(	IE5FNU(	IE5FNU(
6BCDEXMNBHDB ; C	. : 0(J0'&2#-#"/,20"7,-($&/ : 9&>(,2(7'#@0"*'&"(3,%0&%0	A#	IU5MCE(	ID5XFX(	IX5GCM(	IX5GCM(
6BCDEXMNBHG	. : 0(J0'&2#-#"/,20"7,-($&/ : 9&>(,2(7'#@0"*'&"(3,%0&%0	A#	IDDN5NFH(	ICDC5XEX(	IGMF5EUX(	IGMF5EUX(
ABCDCUFDBHC	1([&23#@,0035(J*'/,-02/0"5(L#*+'0BK',235(! &"&''0'5(! '&-0+#B6#2/"#''03(; /*3>(#8(/ : 0(=880-/%(#8(cAcBDXMGCNUM(#2(6&"3,#R&%-*'&"(P*/-#@0%(,2(13*'/(; *+_0-/%(? ,/ : (.>$0(D(L,&+0/0%(J0'',/*%(b. : 0(61Ag1 ; (.",&'S	Y0%	IC5DHH(	IGHH(	IC5UHH(	IC5UHH(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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J03,-,205(L0$&"/@02/(#8

ABCDDHCCBHC	1(J*'/,-02/0"5([&23#@,0035(1-/,R0B6#2/"#'5(! : &%0(GK(; /*3>(/#(=R&'*&/0(/ : 0(6&"3,#R&%-*'&"(; &80/>(#8(W0+*^#%/&/(&23(1''#$*",2#',2(; *+_0-/%(9,/ : (T#*/(&23(6&"3,#R&%*'&"(6#@#"+,3,/,0%	Y0%	IFXM(	IDEE(	IC5DUH(	IC5DUH(
ABCDGDFEBHC	!*'@#2&">(1"/0",&'(Z>$0"/02%,#2(h*&',/>(=2 : &2-0@02/([0%0&"- : (Q2,/,&/,R0(=^/02%,#2(! "#7"&@(b ! (1Z(=mS5(! "#/#-#'(A*@+0"(6Z [6(HHD	Y0%	IEFG(	ICXN(	IXXH(	IXXH(
ABCDGMGEBHC	40R&2/(D5(! : &%0(D((6#2/,2*03(1--0%%([07,%/">	Y0%	IFXM(	IDEE(	IC5DUH(	IC5CDU(
ABCDGXNEBHC	1(DMB J#2/ : 5(; ,27'0B602/0"5(! ,'#/5(P$02B4&+0'5([&23#@,0035(6#2/"#''03(.",&'(/#(=R&'*&/0(/ : 0(=88,-&->(&23(; &80/>(#8(6&'-'20*",2BQ2 : ,+,/#"(=',@,2&/,#2(#"([03*-/,#2(o<<<p=R0"#',@*% I ' J>8#"/,- I (R0"%*%([03*-03(L#%0(/&-"#',@*%'=R0"#',@*% I (,2(13*'/([02&'(."&2%$'&2/([0-,$,02/%(o<(<(<p	Y0%	ICED5GMN(	IH(	ICED5GMN(	IEM5FGF(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

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J03,-,205(L0$&"/@02/(#8

ABCDGFFFBHC	q,'R0"(! . m(g	Y0%	I G5FGU(	I C5CXH(	I U5CCU(	I M5EHM(
ABCDMNHUBHC	1(UBY0&"(! "#%$0-/,R0(P+%0"R&/,#2&'([07,%/">(/#(1%%0%%(13R0"%0(=R02/%(#8(Q2/0"0%/(&23(=880-/,R020%%(,2(13*'/%(9,/:(1-/,R05(1*/#&2/,+#3>B ! #%,/,R0(; >%/0@,-(4*$*%(=">/:0@&/#%*%(."0&/03(9,/:(#"(9,/:#*/(K=A4Y ; . 1 . J(b+0',@*@&+S(br ; 1K4=rS	Y0%	I X5CXU(	I D5MUE(	I CH5EMC(	I CH5EMC(
ABCDMNHXBHC	] ; BK&%035(P+%0"R&/,#2&'5(L"*7([07,%/">(#8(P$%*@,/ l (b J&-,/02/&2S(A09( ]%0"%(,2(6',2,-&'(! "&-/,-0	Y0%	I C5HNN(	I GDG(	I C5MHH(	I NHH(
ABCDMNCCBHC	[&23#@,0035(J *'/,-02/0"5(6#2/"#''03(.",&'(/#(6#@$&"0(K0%/(=23#R&%-*'&"(R0"%*%(K0%/(; *"7,-&'(. :0"&$>(,2(! &/,02/%(9,/:(6",/,-&'(4,@+(Q%-:0@,&	Y0%	I CG5HHH(	I G5FHH(	I CE5FHH(	

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

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J03,-,205(L0$&"/@02/(#8

ABCDUDXNBHC	1(! "#%$0-/,R05(J *'/,-02/0"5([&23#@,0035(L#*+'0BK',235(!'&-0+#B6#2/"#''03(; /*3>(/#(=R&'*&/0(/ : 0(; &80/>(&23(=88,-&->(#8(!"0#$0"&/,R0(12/,/ : "#@+,2(; *$$'0@02/&/,#2(Q2(! &/,02/%( ] 230"7#,27(Z,7 : B [,%\(6&"3,&-(; *"70">(9,/ : (6&"3,#$*'@#2&">(K>$&%%	Y0%	I MN5EHX(	I CM5DXD(	I EC5XFH(	I F5DXG(
ABCDUMUNBHC	1(4#27(.0"@5([&23#@,%035(L#*+'0BK',235(! '&-0+#B6#2/"#''03(; /*3>(/#(L0/0"@,20(/ : 0(=880-/(#8(1'+,7'*/,305(9 : 02(13303(/#(; /&23&"3(K'##3(T'*-#%0(4#90",27(. : 0"&$,0%5(#2(J &_#"(6&"3,#R&%-*'&"(=R02/%(,2(! &/,02/%(9,/ : (.>$0(D(L,&+0/0%(J 0'',/*%(Z&"@#2>(P*/-#@0%(. ",&'(B(T4 ! CCECNM	Y0%	I CD5HMN(	I G5ECM(	I CU5EEC(	I CU5EEC(
ABCDUMNGBHC	1(L#*+'0(+',235("&23#@,%035($'&-0+#B-#2/"#''03(/",&'(0R&'*&/,27(088,-&->(&23(%&80/>(#8(#"&'(2,2/03&2,+(/"0&/@02/(8#"(&/('0&%/(UD(900\%(,2($&/,02/%(9,/ : (r ; >%/0@,-(; -'0"#%,%(&%%#-,&/03(Q2/0"%/,/,&'(4*27(L,%0&%0r(b ; ; -BQ4LS	Y0%	I N5GEE(	I D5DCH(	I F5UNE(	I F5UNE(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

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J03,-,205(L0$&"/@02/(#8

ABCDUXDHBHC	1([&23#@,003(.",&'(6#@$&",27(/ : 0(=4] g01 k (L"*7B='*/,27(; /02/(g0"%*%(q,'R0" l (! . m l (; /02/(8#"(."0&/@02/(#8(; *$0"8,-,&'(W0@#"&'(&23f#"(!"#^,@&'(! #$',/0&'(1"/0",0%	Y0%	I U5EMH(	I C5EFD(	I N5GGC(	I E5FEU(
ABCDUFDHBHC	. : 0(J 0'&2#-#"/,20"7,-(! &/ : 9&>(,2(T'#@0"*'&"(L,%0&%0	A#	I E5CUN(	I G5DFM(	I F5MUC(	I F5MUC(
ABCDECHEBHC	1(! : &%0($`$					I CM5CUF(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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J03,-,205(L0$&"/@02/(#8

ABCDEGCEBHC	1(J*'/,-02/0"5([&23#@,0035(L#*+'0B+',235(!'&-0+#B-#2/"#''03(;/*3>(/#(=R&'*&/0(/:0(;&80/>(&23(=88,-&->(#8(P"&'(."0$"#%/,2,'(,2(;*+_0-/%(9,/:(!*'@#2&">(Z>$0"/02%,#2(b!ZS(,2(Z0&"/(W&,'*"0(9,/:(!"0%0"R03(=_0-/,#2(W"&-/,#2(bZW$=WSn(!"#/#-#'()(.L=BZWBGHC	Y0%	ICM5MME(	IM5GGM(	ICX5NXH(	ICX5NXH(
ABCDEGCNBHC	12(P$02B4&+0'(=^/02%,#2(;/*3>(#8(P"&'(."0$"#%/,2,'(,2(;*+_0-/%(9,/:(!*'@#2&">(Z>$0"/02%,#2(b!ZS(1%%#-,&/03(9,/:(Z0&"/(W&,'*"0(9,/:(!"0%0"R03(=_0-/,#2(W"&-/,#2(bZW$=WS(B(1(4#27B.0"@(W#''#9B*$(;/*3>(/#(.L=BZWBGHCn(!"#/#-#'()(.L=BZWBGHD	Y0%	IF5FDN(	ID5FNX(	ICD5FHU(	ICD5FHU(
ABCDEGDCBHC	Z=[PV((1(J*'/,2&/,#2&'(!:&%0(G([&23#@,0035(P$02B'&+0'5(!&"&''0'(T"#*$(;/*3>(/#(=R&'*&/0(/:0(;&80/>(&23(=88,-&->(#8([0'*7#',^(,2(J02(9,/:(13R&2-03(!"#%/&/0(6&2-0"n(!"#/#-#'()V(Jg.BEHCBGDHC		ICC5DUH(		ICM5EDU(	ID5FDU(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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J03,-,205(L0$&"/@02/(#8

ABCDEGUUBHC	J>#-&"3,&'(Q%-:0@,&(&23(."&2%8*%,#2(bJQA.S	A#	IDD5GHX(	IE5EFD(	IDF5HHH(	IDF5HHH(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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J03,-,205(L0$&"/@02/(#8

ABCDEMECBHC **1(! :&%0(QQQ** **IF5FFD(**

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

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J03,-,205(L0$&"/@02/(#8

ABCDEEHHBHC	. : 0([&23#@,003(&23(6#2/"#''03(A#2,280",#",/>(.",&'(/#(=R&'*&/0(; &80/>(&23(6',2,-&'(=88,-&->(#8(/ : 0(; *"g0,' k (L"*7B6#&/03(K&''##2(,2(/ : 0(."0&/@02/(#8(; *+_0-/%(9,/ : (; /02#/,-(40%,#2%(#8(/ : 0(W0@#"#$#$',/0&'(1"/0">(6#@$&"03(/#(/ : 0(J03/"#2,-(QA<!16. I(13@,"&' I(L"*7B6#&/03(K&''##2<((b. [1A ; 6=ALS	Y0%	I CH5UMN(	I G5CEM(	I CG5NCD(	I CH5FEF(
ABCDEENUBHC	; /*302/%(,2(/ : 0(! ,$0',20(b ; Q ! S	A#	I H(	I H(	I H(	I H(
ABCDENNNBHC	12(#$02B'&+0'(0^/02%,#2(/",&'(/#(&%%0%%(/ : 0('#27(/0"@(%&80/>(#8(2,2/03&2,+(,2($&/,02/%(9,/ : (; >%/0@,-(; -'0"#%,%(&%%#-,&/03(Q2/0"%/,/,&'(4*27(L,%0&%0(b ; ; -BQ4LS	Y0%	I X5HHH(	I H(	I X5HHH(	I X5HHH(
ABCDEFHFBHC	1(! : &%0(QQQ([&23#@,%035(L#*+'0BK',23(.",&'(/#(=R&'*&/0(=88,-&->(&23(; &80/>(#8(P2-0(L&,'>(=@$&7',8'#0,2(CH(@7(6#@$&"03(/#(! '&-0+#5(,2(! &/,02/%(9,/ : (6 : "#2,-(Z0&"/(W&,'*"0(9,/ : ("03*-03(=_0-/,#2(W"&-/,#2(bZW"=Wr(! "#/#-#'(A#(CDMU<CDC	Y0%	I M5XDU(	I C5MMX(	I E5DNG(	I E5DNG(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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J03,-,205(L0$&"/@02/(#8

ABCDEFEXBHCB ? C	13B$UGBHHDn(1(! : &%0(D5(J *'/,B602/0"5(P$02(4&+0'5([&23#@,003(; /*3>(/#(=R&'*&/0(=88,-&->(&23(; &80/>(#8(1302#R,"&'($UG(b13B$UGS(,2(-#@+,2&/,#2(9,/ : (A,R#'*@&+(R0"%*%(A,R#'*@&+(&'#20(,2(! &/,02/%(9,/ : ([0-*""02/(Z0&3(&23(A0-\(; j *&@#*%(60''(6&"-,2#@&(bZA ; 66S	Y0%	I X5HNN(	I D5MDG(	I CH5UHH(	I CH5UHH(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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J03,-,205(L0$&"/@02/(#8

[BCHHHMGBCX	[>&2(? : ,/0(ZQgf1QL ; (! "#7"&@(! &"/(L(T"&2/%(8#"(6##"3,2&/03(ZQg(; 0"R,-0%(&23(1--0%%(/#([0%0&"- : (8#"(? #@025(Q28&2/%5(6 : ,'3"025(&23(Y#*/ : (b ? Q6YS	A#	IMDH5GGH(	IME5NHG(	IMEN5HGG(	IMEN5HGG(
[BCHHGXFBCN	[>&2(? : ,/0(! &"/(6(b . ,/'0(QQQS(ZQg(=&"'>(Q2/0"R02/,#2(; 0"R,-0%(b=Q ; S(! "#7"&@	A#	IMDX5EUE(	IMG5XDD(	IMND5MNX(	IMND5MNX(
[BCHCGHGBCG	; #-,&'(J&"\0/,27(13R0"/,%,27(6 . [	A#	IDM5EMU(	IH(	IDM5EMU(	IDM5EMU(
.BCDEXMNBHD	. : 0(J0'&2#-#"/,20"7,-($&/ : 9&>(,2(7'#@0"*'&"(3,%0&%0	A#	ICDM5UNN(	IEE5EMF(	ICFC5DDE(	ICFC5DDE(

J03,-,205(L0$&"/@02/(#8S	MN<HH	ID5FCC5CXC(

A0*"#'#7>5(L0$&"/@02/(#8

6BCDDEDNBHE	! : &%0(G5(P$02B4&+0'5(J*'/,-02/0"5(W#''#9B] $(; /*3>(/#(=R&'*&/0(/ : 0(4#27B	IG5MCM(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

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A0*"#'#7>5(L0$&"/@02/(#8

6BCDMDHHBHM	1(! : &%0(G5(CDB ? 00 \5(L#*+'0BK',235(! '&-0+#B6#2/"#''035([&23#@,0035(J *'/,-02/0"(; /*3>(/#(=R&'*&/0(/ : 0(=88,-&->(#8(P"&'(Q%/"&308>'',20(DH(&23(MH(@7f3&>(&%(."0&/@02/(8#"(; *+_0-/%(9,/ : (J#30"&/0(/#(; 0R0"0(! &"\,2%#2u%(L,%0&%0	A#	ICE5MMF(	IM5FGU(	IDC5GXM(	IDC5GXM(
6BCDMUMCBHM	1(! : &%0(Q,,+5(L#*+'0BK',235(J *'/,-02/0"(; /*3>(/#(=R&'*&/0(/ : 0(=88,-&->(&23(; &80/>(#8(1'/0$'&%0(,2(! &/,02/%(9,/ : (J,'3(; /"#\0V([&$,3'>(Q@$"#R,27(; >@$/#@%(&23(J,2#"(A0*"#'#7,-(L08,-,/%(b ! ",%@%S	A#	IUUX(	ICEN(	INDE(	INDE(
6BCDMEMMBHM	12(P$02B'&+0'5(4#27(.0"@(; &80/>(; /*3>(#8(; LBXHF(= [(,2(! &/,02/%(9,/ : (6 : #"0&(1%%#-,&/03(9,/ : (Z*2/,27/#2(L,%0&%0	A#	ICU5CNC(	IM5UUC(	ICF5NDD(	ICF5NDD(
6BCDUHXNBHD	1([&23#@,0035(L#*+'0BK',235(! '&-0+#B6#2/"#''03(; /*3>(.#(=R&'*&/0(. : 0(=88,-&->(123(; &80/>(P8(; &70BUMN(Q2_0-/,#2(Q2(. : 0(."0&/@02/(P8(; *+_0-/%(? ,/ : ([08"&-/#">(; /&/*%(=$,'0$/,-*%(? : #(Z&R0(W&,'03(; /&23&"3(."0&/@02/	A#	IGH5UUD(	IF5CEE(	IGF5NCX(	IDN5XHD(
6BCDUCGUBHG	.PqB64HU	A#	IXC5XDN(	IDM5UMX(	ICHE5GNE(	ICHE5GNE(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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A0*"#'#7>5(L0$&"/@02/(#8

ABCDENFEBHC	1(! : &%0(G5(CD(? \5(J *'/,B6/"5(J *'/,2&/,#2&'5([&23<5(L#*+'0BK',235(L#*+'0BL *@@>5(! &"&''0'(T"#*$(; /*3>(/#(L0/<(/ : 0(=88,-&->5(; &80/>5(e(.#'<(#8(! DKHHC(P2-0(L&,'>(6#@$&"03(/#(,/%(Q23,R,3*&'(6#@$#202/%(,2(; *+_0-/%(? f(=&"'>(! &"\ ,2%#2d%((L,%0&%0(e(/#(&(6&',+"&/,#2(1"@(#8(!"&@,$0^#'0(= [5(! "#/#-#'(! DKHHCfHHG	Y0%	I N5EEE(	I D5GHH(	I F5FEE(	I F5FEE(

A0*"#'#7>5(L0$&"/@02/(#8S CX<FH I EXF5CGN(

A0*"#%-,02-0%5(L0$&"/@02/(#8

6BCDUDFFBHD	; /*3>(#8(=&"'>(K"&,2(1'/0"&/,#2%(/ : &/(! "03,-/(L0R0'#$@02/(#8(6 : "#2,-(! . ; L	A#	I MXX5XNM(	I CFC5CDX(	I EXH5HHD(	
6BCDUGGEBHD	1(KKKB ! 0"@0&+'0(A0*"#/"#$: ,-(! #'>%&-- : &",305(J ,3,BT 1 T [	A#	I CDU5HHH(	I EM5GNU(	I CXF5GNU(	I CXF5GNU(
ABCDUEXDBHCB ; C	12&/#@,-&'BW*2-/,#2&'(J &$$,27(#8(=2/0",-(A0*"&'(6,"-*,/%	A#	I C5HCX5FHX(	I DHF5FCM(	I C5DDX5XDD(	I C5DDX5XDD(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

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A0*"#%-,02-0%5(L0$&"/@02/(#8

ABCDUEXDBHCB ; D	12&/#@,-&'BW*2-/,#2&'(J&$$,27(#8(=2/0",-(A0*"&'(6,"-*,/%	A#	I C5NGN5HXU(	I MUN5HGU(	I D5CFM5CDH(	I D5CFM5CDH(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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P+%/0/",-%(e(T>20-#'#7

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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!03,&/",-%5(L0$&"/@02/(#8

6BCDUMCHBHD	1(; 7'(K',23([&23<(J *'/,B602/"0(1-/,R0B6#2/"#''03(.",&'(/#(=R&'</ : 0(; &80/>5 .#'0"&+,',/>5 ! : &"@&-# \,20/,-%(&23(=88,-&->(#8(608/&0,3,@0(e(1R,+&-/&@(9 : 02(T,R02(,2(6#@+<(? f(J0/#2,3&0#'05(6#@$&"03(? f J0"#$02*@5(,2(6 : ,'3"02(8"#@(G(J#2/ : %(/#(40%%(/ : &2(CX(Y"%(#8(170(? f(6#@$',-&/03(Q2/"&B1+3#@,2&'(Q280-/,#2%	A#	I G5DCC(	I FEG(	I M5CNM(	I M5CNM(
6BCDUMCDBHG	1(; ,27'0(K',235([&3#@,%035(J *'/,B602/"05(1-/,R0(6#2/"#''035(.",&'(/#(=R&'*&/0(; &80/>5(.#'0"&+,',/>5(! : &"@&-# \,20/,-%(&23(=88,-&->(#8(608/&0,3,@0(&23(1R,+&-/&@(6#@$&"/03(9,/ : (6080$,@0(,2(6 : ,'3"02(8"#@(G(@#2/ : %(/#(40%%(/ : &2(CX(Y0&"%(#8(170(9,/ : (6#@$',-&/03( ] ",2&">(."&-/(Q280-/,#2%(b-] .Q%S	A#	I C5FHC(	I UNH(	I D5MND(	I D5MND(
6BCDUEFGBHD	1(L#*+'0(K',23(! '&-0+#(6#2/"#''03(; /*3>(#8(6 JB					I C5HHH(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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! : >%(! : &"@(J0/f6&"3,#(; -,02-05(L0$&"/@02/(#8

6BCDMDGGBHM	L080-/,R0(@0'&2#-#"/,2(%,72&',27(*230"'>,27(.DLB&%%#-,&/03(0"0-/,'0(3>%8*2-/,#2	A#	ICFD5CXE(	IFX5FNE(	IDFC5CED(	IDFC5CED(
6BCDMGUXBHM	12/,#^,3&2/B ! !1 [&'$:&(,2/0"&-/,#2("03*-0%(&3,$#%,/>	A#	ICUC5CDG(	ICD5HFH(	ICEG5DCG(	ICEG5DCG(
6BCDUCXUBHD	[0%$CX(&(2#R0'(7020/,-(30/0"@,2&2/(#8(+'##3($"0%%*"0("07*'&/,#2(&23("02&'(8*2-/,#2	A#	INH5HHH(	IN5HHH(	INN5HHH(	INN5HHH(
6BCDUECHBHD	6#*$'03(/"&2%,/,#2%(#8(WaUHEB+,23,27(3#@&,2%(,2(@#'0-*'&"(30%,72(&23(%,72&',27	A#	IDN5HHH(	ICG5FHE(	IMH5FHE(	IMH5FHE(
ABCDUUDEBHCB1C	A*-'0&"([0-0$/#"(6:&$0"#20%(,2(; ,72&',27(&23(J0/&+#',%@	A#	ICUH5HHH(	IXH5DUH(	IDGH5DUH(	IDGH5DUH(
ABCDEUMXBHC	K4J(6#2/"&-/(; #',-,/&/,#2(4CN ! ; HHFXEV(!"#3*-/,#2(#8(!q!BDD(6#2/"&-0$/,R0(g&--,20	A#	IGCE5XGG(	IXD5GNX(	IGFF5DCC(	IGFF5DCC(
ABCDENXUBHC	12/,BQ28'&@@&/#">(&23(12/,BP^,3&2/(=880-/%(#8(!#/&/#(12/ :#->&2,2%(BB([#'0(#8(T*/(K&-/0",&	A#	ICD5CCG(	IG5EGG(	ICU5NME(	ICU5NME(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

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! : >%(! : &"@(J0/f6&"3,#(; -,02-05(L0$&"/@02/(#8

; BCDUECHBHDB ; D	6#*$'03(/"&2%,/,#2%(#8(WaUHEB+,23,27(3#@&,2%(,2(@#'0-*'&"(30%,72(&23(%,72&',27	A#	I G5HHH(	I C5EHU(	I M5EHU(	I M5EHU(
.BCDEENEBHD	Q2/0"$'&>(+0/9002(L,0/&">(W,+0"(&23(T*/(J,-"#+,#/&(,2(Z0$&/#-0''*'&"(6&"-,2#@&	A#	I CXN5GXX(	I CHH5DUC(	I DXN5EGF(	I DXN5EGF(
.BCDENMUBHM	[0%#*"-0(8#"([&/(T020/,-(J#30'%(#8(10"#+,-(6&$&-,/>	A#	I CNG5NGX(	I FD5FUH(	I DEE5EXX(	I DEE5EXX(

! : >%(! : &"@(J0/f6&"3,#(; -,02-05(L0$& CH<HH I C5NNE5MDH(

! %>- : ,&/">5(L0$&"/@02/(#8

6BHCHUGDBDG	13*'/(! %>- : ,&/">([0%,302->(&23(."&,2,27(! "#7"&@	A#	I GX5UNC(	I C5MDF(	I MH5HHH(	I MH5HHH(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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!%>-:,&/">5(L0$&"/@02/(#8

6BCDGXCGBHM	=&"'>(Q2/0"R02/,#2(/#([03*-0(1'-#:#'(J,%*%0(&23(1+*%0(,2(/:0(P:,#(1"@>(A&/,#2&'(T*&"3	A#	IXU5MMN(	IMM5HHU(	ICDF5MUD(	ICDF5MUD(
6BCDMHDMBHU	A0*"#+0:&R,#"&'(J#30"&/#"%(#8(!#%/B/"&*@&/,-(L,%0&%0(."&_0-/#",0%V(!"#%$0-/,R0(J [Q(; /*3>(#8([0-02/(."&*@&(; *"R,R#"%	A#	IG5FGN(	ID5HDX(	IU5FEU(	IU5FEU(
6BCDUDFFBHD	; /*3>(#8(=&"'>(K"&,2(1'/0"&/,#2%(/:&/(!"03,-/(L0R0'#$@02/(#8(6:"#2,-(!. ; L	A#	IMXX5XNM(	ICFC5CDX(	IEXH5HHD(	IEXH5HHD(
ABCDEHNGBHCB1C	6PD(Q2:&'&/,#2(02:&2-0%(/:0('&+,',/>(#8(80&"(@0@#">	A#	IDUH5HHH(	IFF5HHH(	IGMF5HHH(	
ABCDNHHHBHC	P:,#(P$,#,3(12&'>/,-%(!"#_0-/	A#	IDD5CDE(	ID5DCG(	IDM5GGF(	IX5DNU(

!%>-:,&/">5(L0$&"/@02/(#8S E<GM IFNC5GDF(

!*+',-(Z'/:fZ#@0'&23(; 0-*",/>5(L0$&"/@02/(#8

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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! *+',-(Z'/ : fZ#@0'&23(; 0-*",/>5(L0$&"/@02/(#8

6BCHCGCGBCD	AQP ; Z(."&,2,27(T"&2/(! "#_0-/V(Q23*%/",&'(Z>7,020B] 2,R0"%,/> .#'03#	A#	I NH5NDN(	I C5DDM(	I NC5FUC(	I UG5FEG(
	! *+',-(Z'/ : fZ#@0'&23(; 0-*",/>5(L0$&"			H<NU		I UG5FEG(

[&3,&/,#2(P2-#'#7>5(L0$&"/@02/(#8

ABCDEGDCBHC	Z= [PV((1(J *'/,2&/,#2&'(! : &%0(G([&23#@,0035(P$02B'&+0'5(! &"&''0'(T"#*$(; /*3>(/#(=R&'*&/0(/ : 0(; &80/>(&23(=88,-&->(#8([0'*7#',^(,2(J02(9,/ : (13R&2-03(! "#%/&/0(6&2-0"n(! "#/#-#'()V(J g .BEHCBGDHC	A#	I CC5DUH(	I G5GNU(	I CM5EDU(	I CC5NHH(
	[&3,&/,#2(P2-#'#7>5(L0$&"/@02/(#8S			H<XH		I CC5NHH(

[&3,#'#7>5(L0$&"/@02/(#8

ABCDEUXGBHC	. : 0"@&'#7,-&'(12&'>%,%(#8(&(6# : #"/(#8(? #@02( ] 230"7#,27(J&@@#7"&$: ,-(12&'>%,%	Y0%	I M5MCH(	I C5GDG(	I U5NGG(	I U5NGG(
ABCDEFEXBHCB ? C	13B$UGBHHDn(1(! : &%0(D5(J *'/,B602/0"5(P$02(4&+0'5([&23#@,003(; /*3>(/#(=R&'*&/0(=88,-&->(&23(; &80/>(#8(1302#R,"&'($UG(b13B$UGS(,2(-#@+,2&/,#2(9,/ : (A,R#'*@&+(R0"%*%(A,R#'*@&+(&'#20(,2(! &/,02/%(9,/ : ([0-*""02/(Z0&3(&23(A0-\(; j *&@#*%(60''(6&"-,2#@&(bZA ; 66S	Y0%	I X5HNN(	I D5MDG(	I CH5UHH(	
	[&3,#'#7>5(L0$&"/@02/(#8S			C<HH		I U5NGG(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

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[0%,3(!"7@BJ03,-,20

6BCDMEGHBHM	1(J*'/,-02/0"5(L#*+'0B+',235([&23#@,0035(!'&-0+#B-#2/"#''035(!:&%0(G(;/*3>(/#(1%%0%%(/:0(=88,-&->(&23(;&80/>(#8(P"&'(K!;BGCM3BJ[(13303BP2(/#(."0$"#%/,2,'5(Q2:&'03(b.>R&%#IS(,2(;*+_0-/%(9,/:(!*'@#2&">(1"/0",&'(Z>$0"/02%,#2	A#	IU5FXG(	IC5NFU(	IN5NNX(
6BCDUDFMBHG	1(J*'/,-02/0"5(P$02B'&+0'(=^/02%,#2(bP4=S(;/*3>(/#(1%%0%%(/:0(4#27B/0"@(;&80/>(&23(=88,-&->(#8(=R#'#-*@&+		IG5MCX(		IM5MMG(	IXXF(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

2#/

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[0%,3(!"7@B J03,-,20

ABCDGFFFBHC	q,'R0"(! .m(g	Y0%	IG5FGU(	IC5CXH(	IU5CCU(	IUCD(
ABCDUXDHBHC	1([&23#@,003(.",&'(6#@$&",27(/:0(=4] g01 k (L"*7B='*/,27(; /02/(g0"%*%(q,'R0" I (! .m I (; /02/(8#"(."0&/@02/(#8(; *$0"8,-,&'(W0@#"&'(&23f#"(!"#^,@&'(!#$',/0&'(1"/0",0%	Y0%	IU5EMH(	IC5EFD(	IN5GGC(	IGEN(
ABCDEGUUBHC	J>#-&"3,&'(0%-:0@,&(&23(."&2%8*%,#2(b J0A.S	A#	IDD5GHX(	IE5EFD(	IDF5HHH(	

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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[0%,3(!"7@BA0*"#'#7>

ABCDUNHHBHC	0@&7,27(L0@02/,&(B(=R,302-0(8#"(1@>'#,3(; -&22,27(b0L=1 ; S(; /*3>V((1(6#R0"&70(9,/:(=R,302-0(L0R0'#$@02/(4#27,/*3,2&'(6#:#"/(; /*3> 16 [0A(!"#/#-#'(NCUU	Y0%	IEFD(	IDHX(	IFHH(	IFHH(

[0%,3(!"7@BA0*"#'#7>S	C<NH	ICD5DUX(

[0%,3(!"7@B]"#'#7>

ABCDEDMNBHC	1(CDB?00\5([&23#@,0035(J*'/,B-02/0"5(L#*+'0BK',235(!'&-0+#B6#2/"#''035(GB1"@5(!&"&''0'BT"#*$(!:&%0(G(.",&'(/#(=R&'*&/0(/:0(=88,-&->(&23(; &80/>(#8(D(L#%0%(#8(1hmBCCDU(.&"70/,27(/:0(; Z0!C(!&/:9&>(,2(; *+_0-/%(9,/:(02/0"%/,/,&'(6>%/,	Y0%	IE5NCD(	ID5HCG(	IX5NDU(	IX5NDU(

[0%,3(!"7@B]"#'#7>S	C<HH	IX5NDU(

; *"70">5(L0$&"/@02/(#8

6BCDUDFFBHD	; /*3>(#8(=&"'>(K"&,2(1'/0"&/,#2%(/:&/(!"03,-/(L0R0'#$@02/(#8(6:"#2,-(!. ; L	A#	IMXX5XNM(	ICFC5CDX(	IEXH5HHD(	
6BCDUNEEBHD	J&-,/02/&2(,2(!*'@#2&">(Z>$0"/02%,#2(!#%/B408/(g02/",-*'&"(1%%,%/(L0R,-0(0@$'&2/&/,#2(b ; P! [1APS<((!"#/#-#'(16BHUUBDHU	A#	ICD5EHE(	IG5NXD(	ICE5GXX(	ICE5GXX(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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; *"70"

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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; *"70">5(L0$&"/@02/(#8

ABCDUEXDBHCB ; D	12&/#@,-&'BW*2-/,#2&'(J&$$,27(#8(=2/0",-(A0*"&'(6,"-*,/%	A#	I C5NGN5HXU(	I MUN5HGU(	I D5CFM5CDH(	
ABCDEDENBHC	1641J1.=(QQ(1*/#@&/03(6#72,/,R0(4#&3(1%%0%%@02/(8#"(J03,-&'(;/&88(."&,2,27(&23(=R&'*&/,#2	A#	I DG5CCH(	I CC5FHC(	I GU5HCC(	
ABCDEGMXBHC	Q[K()(DHDCDX5(1("&23#@,0035(@*'/,-02/0"5($:&%0(D(%/*3>(#8(L ; !BNXXX(3#%,27(0@*'%,#2(,2(-#@+,2&/,#2(9,/:(+0R&-,0*@&+(R0"%*%(+0R&-,0*@&+(&'#20(,2($&/,02/%(9,/:("0-*""02/(#"($"#7"0%%,R0(7',#+'&%/#@&(8#''#9,27(,2,/,&'(/:0"&$>(%/*3>	Y0%	I E5MXE(	I C5FME(	I X5MGD(	I U5HUF(

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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; *"70">5(L0$&"/@02/(#8

J03,-,20(&23(4,80(; -,02-0%5(6#''070(#8

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A&/*"&'(; -,02-0%(e(J&/:0@&/,-%5(6#''070(#8

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K,#'#7,-&'(; -,02-0%5(L0$&"/@02/(#8

6BCDUCXGBHD	1(A#R0'([:#T(!"#/0,2(()2/0"&-/,#2(A0/9#"\(,2(()2R&3#$#3,&	A#	IUH5HHH(	IDU5UXD(	INU5UXD(	INU5UXD(
6BCDUMGNBHD	1(T02#@0B9,30(L"#%#$:,'&([A1,(; -"002(8#"([07*'&/#"%(#8(602/"#%#@0([03*-/,#2	A#	IUH5HHH(	IDG5NUH(	ING5NUH(	ING5NUH(
6BCDUNEUBHD	12&'>%,%(#8(@0-:&2,%@%(,2R#'R03(,2(,23*-/,#2(#8(&+,#/,-(&23(+,#/,-(%/"0%%(/#'0"&2-0(,2(Z#"/,-*'/*"0(6"#$%(.:"#*7:(A*/",/,#2(#"(.0@$0"&/*"0	A#	ICNE5CME(	ICN5EUD(	ICFG5NFX(	ICFG5NFX(
6BCDUFGDBHD	()@@*20(=R&%,#2(,2(1j*&/,-([:&+3#R,"&'(!&/:#702%	A#	IDFH5EFX(	IH(	IDFH5EFX(	IDFH5EFX(
ABCDUECEBHCB1C	A#R0'(W0""#$/#/,-(6#@$#*23%(/#(.&"70/(J0%02-:>@&'(K"0&%/(6&2-0"(&23(6&2-0"(; /0@(60''%	A#	IGHH5HHH(	ICMF5HHH(	IMMF5HHH(	ICNF5EHH(
ABCDUXCCBHC	A#R0'([#'0(8#"(KB30802%,2(G(,2(/:0([07*'&/,#2(#8(()22&/0(4>@$:#->/0%(&23(P"&'(J*-#%&'(()@@*20([0%$#2%0%	A#	IDFN5HEE(	ICMC5CHE(	IMGX5CND(	IMGX5CND(
ABCDUXUMBHC	L0R0'#$,27(&2(&2,@&'(@#30'(/#(,302/,8>(/:0("#'0(#8(/:0(%$0"@(-02/",#'0(,2(80"/,',/>	A#	ICUD5GDH(	IND5DNH(	IDDM5UFH(	IDDM5UFH(

A&/*"&'(; -,02-0%(e(J&/:0@&/,-%5(6#''070(#8

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K,#'#7,-&'(; -,02-0%5(L0$&"/@02/(#8

ABCDEFMGBHC	[=;=1 [6Z(B(! T [V(='*-,3&/,27(J&,00(T020([07*'&/#">(A0/9#"\%(/#(1--0'0"&/0(."&2%'&/,#2&'(T02#@,-%	ICCC5XMC(	ICEM5CNG(	ICEM5CNG(

A&/*"&'(;-,02-0%(e(J&/:0@&/,-%5(6#''070(#8

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6:0@,%/">(&23(K,#-:0@,%/">5(L0$&"/@02/(#8

6BCDUEXXBHDB1C	A0*/"#2(L,88"&-/,#2(;/*3,0%(#8(!4!(L0$02302/(=20>@0%	A#	IGC5NMN(	IX5DUG(	IMH5HHH(	IMH5HHH(
6BCDUNGDBHD	6#*2/0"([07*'&/#">(J0-:&2,%@%(#8(6&"3,#/#2,-(;/0"#,3%(,2(6&"3,#B[02&'(;>23"#@0	A#	IDUH5HHH(	ICDX5NUH(	IGNX5NUH(	IGN5XNU(
6BCDEHCXBHD	L0R0'#$@02/(#8(2#R0'(&$$"#&-:0%(8#"(%/0"#0'0-/,R0(-#2%/"*-/,#2(#8(7'>-#%,3,-(',2\&70%	A#	IDCM5MHN(	ICHC5XMG(	IGCE5DUH(	IGCE5DUH(
ABCDUECEBHCB1C	A#R0'(W0""#$/#/,-(6#@$#*23%(/#(.&"70/(J0%02-:>@&'(K"0&%/(6&2-0"(&23(6&2-0"(;/0@(60''%	A#	IGHH5HHH(	ICMF5HHH(	IMMF5HHH(	IMM5FHH(
ABCDUFNCBHC	[&$,3(&23(=-#2#@,-(;>2/:0%,%(#8(A0^/(T020"&/,#2(Z0"+,-,30%(R,&(6&"+#2(L,#^,30BL,"0-/03(6BZ(K#23(W*2-/,#2&',0&/,#2	A#	IUH5HHH(	IH(	IUH5HHH(	IUH5HHH(
ABCDEHCXBHC	L0R0'#$@02/(#8(2#R0'(&$$"#&-:0%(8#"(%/0"#0'0-/,R0(-#2%/"*-/,#2(#8(7'>-#%,3,-(',2\&70%	A#	IDDX5FXM(	IFE5XFD(	IGDU5XNE(	IGDU5XNE(

[redacted]

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A&/*"&'(; -,02-0%(e(J&/:0@&/,-%5(6#''070(#8

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6:0@,%/">(&23(K,#-:0@,%/">5(L0$&"/@02/(#8

ABCDEMXDBHC	=880-/%(#8(Q28'&@@&/#">(K#90'(L,%0&%0(#2(; *%-0$/,+,',/>(.#(J,-"#->%/,2B4 [	A#	ICMF5NCU(	IH(	ICMF5NCU(	IN5MXE(

A&/*"&'(; -,02-0%(e(J&/:0@&/,-%5(6#''070(#8

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=2R,"#2@02/&'(; -,02-0%5(L0$&"/@02/(#8

6BCDUFNEBHD	. ; 1V(6'0&2(?&/0"(.0-:2,-&'(1%%,%/&2-0(]2,/5(J,220%#/&(L0$&"/@02/(#8(17",-*'/*"0	Y0%	ICE5XXU(	IH(	ICE5XXU(	ICE5XXU(
6BCDEDDHBHD	4,2\,27(W,%:(/#(4#90"(."#$:,-(40R0'(g&",&+,',/>(,2(4&\0(Z*"#2(b6 ; J0(DHCNS	A#	IMM5GMC(	IN5NEH(	IUD5CHC(	IUD5CHC(
ABCDUFNEBHC	. ; 1V(6'0&2(?&/0"(.0-:2,-&'(1%%,%/&2-0(]2,/5(J,220%#/&(L0$&"/@02/(#8(17",-*'/*"0	Y0%	ICE5XXU(	IH(	ICE5XXU(	ICE5XXU(
ABCDEHXNBHC	=2:&2-0@02/(#8(.*"/'0([0-"*,/@02/(,2(/:0(a&'&@&0##([,R0"	A#	IDUM5UGD(	IMM5UMG(	IDFF5HNU(	IDFF5HNU(
ABCDEDGGBHC	L,%/",+*/,#25(L02%,/>5(&23(L0@#7"&$:>(#8(;$#//03(.*"/'0%5(=&%/0"2(+#^(.*"/'0%5(&23([03BZ0&303(?##3$0-\0"%(,2(P&\(P$02,27%(#8(P:,#(&23(J,-:,7&2	A#	IDCC5CEH(	IDG5MED(	IDGM5EDD(	IDGM5EDD(
ABCDEDUDBHC	=%/&+',%:,27(=-#'#7,-&'(6",/0",&(&23(.:"0%:#'3%(8#"(J#2,/#",27(Z>3"#'#7,-(0@$&-/%(#2(P'3(?#@&2(6"00\(?0/'&23(W*23%	A#	IMN5DUF(	ID5NMC(	IUH5HHH(	IUH5HHH(
ABCDEDEXBHC	."&-0(='0@02/(]$/&\0(,2(T"&%%(6&"$(P/#',/:%	A#	IEF5UHH(	IH(	IEF5UHH(	IEF5UHH(

A&/*"&'(; -,02-0%5(e(J&/:0@&/,-%5(6#''070(#8

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=2R,"#2@02/&'(; -,02-0%5(L0$&"/@02/(#8

ABCDEDEXBHCB; C	."&-0(='0@02/(]$/&\0(,2(T"&%%(6&"$(P/#',/:%	A#	IX5HHH(	IH(	IX5HHH(	IX5HHH(
ABCDEGGGBHC	h*&2/,8>,27(A*/",02/([0/02/,#2(K>(6#&%/&'(?0/'&23%(8#"(T*,3,27([0%/#"&/,#2(&23(J&2&70@02/	A#	ICHE5FGH(	IE5DHD(	ICCG5CGD(	ICCG5CGD(
ABCDEGUGBHC	J#30',27(/:0([0%$#2%0(#8(W,%:(&23(K02/:,-(Q2R0"/0+"&/0([0%$#2%0%(/#(6:&270%(,2(;/"0&@(W'#9(&23(4&23(]%0(,2(/:0(6&$0(W0&"(123(Y&3\,2f!00(L00([,R0"(K&%,2%	A#	IDC5DNN(	IG5NDG(	IDU5HHH(	IDU5HHH(
ABCDEMGFBHC	g070/&/,#2(;*"R0>,27(,2(;*$$#"/(#8(T"&%%(6&"$(;$&92,27(!#/02/,&'(,2(/:0(;&23*%\>([,R0"(K&%,2	A#	IEX5HXM(	ICC5FCU(	INF5FFF(	INF5FFF(
ABCDEMNCBHC	Z1KB&%%#-,&/03(Z0&'/:(=880-/%(&23(1,"+#"20(J,-"#->%/,2(40R0'%(1@#27([0-"0&/,#2&'(4&\0(]%0"%	A#	ICGG5NGN(	IH(	ICGG5NGN(	IDH5HEC(
ABCDEMFHBHC	4&\0(=",0(P$02(?&/0"(Q@$&,"@02/(&23(Z1K(;-*@(6",/0",&	A#	IFN5CDU(	IH(	IFN5CDU(	

A&/*"&'(; -,02-0%(e(J&/ : 0@&/,-%5(6#''070(#8

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=2R,"#2@02/&'(; -,02-0%5(L0$&"/@02/(#8

ABCDEUHXBHC	4&\0(=",0(0@$&,"@02/(6",/0",&(DHCN	A#	IX5MFH(	ID5NEH(	ICC5DUH(	IU5EDU(
ABCDEEHDBHC	A&/*"0(6#2%0"R&2->(K,"3(; *"R0>%	A#	ICM5DXG(	IE5NXM(	IDC5HEN(	IDC5HEN(
ABCDEECNBHC	6&2(: 0&'/ : (#8(&j *&/,-(9,'3',80(,23,-&/0(/ : 0(j *&',/>(#8(9&/0"("0%#*"-0%`	A#	IDC5EGE(	IH(	IDC5EGE(	IDC5EGE(
ABCDEENMBHC	12&'>%0%(#8(%#,'(3,%%#'R03(#"7&2,-(-&"+#25(2,/"#7025(&23($: #%$: #"*%	A#	IF5DDD(	ID5FFN(	ICD5DCF(	ICD5DCF(
ABCDEXDGBHC	!'&2/($0"-0$/,#2(#8(,2%0-/(: 0"+,R#"0%(,2-'*30%('0&8(R,+"&/,#2%(-&*%03(+>(-:09,27‹	A#	IXH5UEG(	IGE5EEC(	ICCN5DDM(	ICCN5DDM(
ABCDEFGCBHC	L,%/",+*/,#25(L02%,/>5(&23(L0@#7"&$: >(#8(; $#//03(.*"/'0%5(=&%/0"2(+#^(.*"/'0%5(&23([03BZ0&303(? ##3$0-\0"%(,2(P&\(P$02,27%(#8(P : ,#(&23(J,- : ,7&2	A#	ICNG5ECX(	ICN5GED(	ICFH5FXH(	ICFH5FXH(
ABCDEFXCBHC	.0%/,27(17"00@02/(8#"(0#9&(; /&/0	A#	ID5MMX(	INFE(	IG5DMM(	IG5DMM(

A&/*"&'(;-,02-0%(e(J&/:0@&/,-%5(6#''070(#8

2#/

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=2R,"#2@02/&'(;-,02-0%5(L0$&"/@02/(#8

ABCDEFFUBHC	Q-:/:>#$'&2\/#2(6#@@*2,/>(=-#'#7>(&23(L,%/",+*/,#2(,2(4&\0(;/<(6'&,"0	A#	IDGM5HMG(	IMH5FUN(	IDNU5HHH(	ICGN5UHH(
ABCDNCGDBHC	6&'-,*@(Q@&7,27(#8(!'&2/(.,%%*0	A#	IUHH(	IH(	IUHH(	IUHH(
[BCDGGECBHN	4&\0(=",0(K&/:,27(K0&-:(J#2,/#",27	A#	IF5HFF(	ID5GEE(	ICC5MEU(	ICC5MEU(
[BCDGECMBHE	[0%0&"-:(;*$$#"/(17"00@02/B1-j*,%,/,#2(#8(T##3%(&23(;0"R,-0%	A#	ICH5HHH(	IC5HHH(	ICC5HHH(	ICC5HHH(
[BCDGECMBHEB1C	[0%0&"-:(;*$$#"/(17"00@02/B1-j*,%,/,#2(#8(T##3%(&23(;0"R,-0%	A#	IM5HHH(	IMHH(	IM5MHH(	IM5MHH(
.BCDEUCNBHC	J#'0-*'&"(+&%,%(#8($'&2/($&"&%,/,%@(+>(&(7&'',27(,2%0-/	A#	IDGE5XGG(	ICCN5DGD(	IGUM5HEU(	IGUM5HEU(

=2R,"#2@02/&'(;-,02-0%5(L0$&"/@02/(DU<EU IC5FNN5UMG(

Q2%/"*@02/&/,#2(602/0"

ABCDENUFBHC	P-0&2%,30(K,#%-,02-0(!"#_0-/	A#	ID5DMG(	IH(	ID5DMG(	ID5DMG(

Q2%/"*@02/&/,#2(602/0"S C<HH ID5DMG(

A&/*"&'(; -,02-0%(e(J&/:0@&/,-%5(6#''070(#8

2#/

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4&\0(=",0(; #,'(&23(? &/0"([0%0&"- : (&23(=3*-&/,#2(602/0"

6BCDMDXUBHM	L0/0"@,2,27(/ : 0(6#2/",+*/,#2(#8(J&*@00([,R0"(W,% : 0",0%(! "#3*-/,#2(/#(? 0%/0"2(4&\0(=",0(; /#-\%	A#	I MX5UCC(	I X5MXF(	I UN5HHH(	I DX5UHH(
6BCDEHEXBHDB ; C	4,2\,27($"#-0%%(@#30'%(&23(8,0'3(0^$0",@02/%(/#(8#"0-&%/(&'7&'(+'##@(/#^,-,/>(,2(4&\0(=",0BB=6PZ1K(DHCN	A#	I DH5DMD(	I F5ECM(	I DF5XUE(	I DF5XUE(
ABCDEHEXBHC	4,2\,27($"#-0%%(@#30'%(&23(8,0'3(0^$0",@02/%(/#(8#"0-&%/(&'7&'(+'##@(/#^,-,/>(,2(4&\0(=",0	A#	I CG5DCF(	I E5DXH(	I CF5MFF(	I CF5MFF(
ABCDEMGFBHC	g070/&/,#2(; *"R0>,27(,2(; *$$#"/(#8(T"&%%(6&"$(; $&92,27(! #/02/,&'(,2(/ : 0(; &23*%\>([,R0"(K&%,2	A#	I EX5HXM(	I CC5FCU(	I NF5FFF(	I H(
ABCDEMFHBHC	4&\0(=",0(P$02(? &/0"(Q@$&,"@02/(&23(Z1K(; -*@(6",/0",&	A#	I FN5CDU(	I H(	I FN5CDU(	I FN5CDU(
ABCDEUHXBHC	4&\0(=",0(Q@$&,"@02/(6",/0",&(DHCN	A#	I X5MFH(	I D5NEH(	I CC5DUH(	I U5EDU(
ABCDEECFBHC	[&$,3([0%$#2%0B J&*@00([,R0"BL&R,%	A#	I C5UHH(	I H(	I C5UHH(	I C5UHH(

A&/*"&'(; -,02-0%(e(J&/ : 0@&/,-%5(6#''070(#8

2#/

A&/*"&'(; -,02-0%(e(J&/:0@&/,-%5(6#''070(#8

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! : >%,-%(&23(1%/"#2#@>5(L0$&"/@02/(#8

6BCDDDFEBHM

A&/*"&'(;-,02-0%(e(J&/:0@&/,-%5(6#''070(#8

2#/

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! :>%,-%(&23(1%/"#2#@>5(L0$&"/@02/(#8

6BCDUCXHBHG	W*23&@02/&'(.:0#">(&23(A*@0",-&'(J#30',27(#8(W,'&@02/&">([[1J(L0R,-0(P$0"&/,#2(&23([0',&+,',/>	A#	IEC5DNF(	IDF5CHX(	IFH5GXN(	IFH5GXN(
6BCDUMGMBHD	Z,7:(.0@$0"&/*"0(J&720/,-(J&/0",&'%	A#	IEM5GFG(	ICD5XNX(	INN5DNC(	IUC5NND(
6BCDUMFGBHD	6"#%%-*//,27([0-#@+,2&/,#2(J0/"#'#7>(8#"(=^$03,/,27(gP6(=27,200",27	A#	IEN5NFE(	IGD5DHG(	IFF5FFF(	IFF5FFF(
6BCDEHDXBHD	Q2(;,/*(Q2R0%/,7&/,#2%(&23(;/"&/07,0%(8#"(133"0%%,27(=^/",2%,-(&23(Q2/",2%,-(L07"&3&/,#2(J0-:&2,%@%(,2(!0"#R%\,/0(;#'&"(60''(J&/0",&'%(&23(L0R,-0%	A#	ICHC5EFU(	IMX5GHU(	ICUH5HHH(	ICUH5HHH(
6BCDEUUNBHCB;C	407&->(Z=.T(;$0-/"*@(#8(&(J&%%,R0(;/&"V(q0/&(!*$	A#	IX5UDF(	IM5DDC(	ICD5NUH(	ICD5NUH(
ABCDUFEFBHC	[#'0(#8(;@&''(127'0(T"&,2(K#*23&",0%(,2(63.0(;#'&"(60''(!0"8#"@&2-0	A#	IDGF5HCU(	ICCG5UGD(	IGUD5UMN(	IGUD5UMN(

A&/*"&'(;-,02-0%(e(J&/:0@&/,-%5(6#''070(#8

2#/

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! :>%,-%(&23(1%/"#2#@>5(L0$&"/@02/(#8

ABCDEDUGBHC	1(g,&+'0(A#2B-#2/&-/(P$/,-&'(J0/:#3(#8(J0&%*",27(63.0(.:,-\20%%(Q2B%,/*(#2(63%f63.0(6#&/03(T'&%%(!'&/0%(#2(!"#3*-/,#2(4,20	A#	I M5HEE(	I C5FGC(	I U5FFN(	I U5FFN(
ABCDEGDNBHC	6:##%0(P:,#(W,"%/	A#	I EH5GXX(	I H(	I EH5GXX(	I EH5GXX(
ABCDEGGUBHC	Q28"&"03(1+*23&2-0%(&23(/:0(6:0@,-&'(=2",-:@02/(#8(/:0(]2,R0"%0	A#	I NG5NUF(	I GM5FEH(	I CHX5NCF(	I CHX5NCF(
ABCDEMFNBHC	6#2%/"*-/,27(&(!:&%0(L,&7"&@(8#"(/:0(Q2/0"%/0''&"(J03,*@(/:"#*7:(/:0(12&'>%,%(#8(P(Q(W,20B;/"*-/*"0(=^-,/&/,#2%	A#	I CC5ECE(	I U5NUH(	I CN5GEE(	I CN5GEE(
ABCDEMFFBHC	.:0(E($-(L1;ZV((1(?W6G(C<E(@,-"#2(;*"R0>(#8(/:0(P",#2(Q2/07"&'(;:&$03(W,'&@02/	A#	I CF5FNF(	I N5XFH(	I DN5XEF(	I DN5XEF(
ABCDEUHNBHC	.:0(6'*%/0"(!#$*'&/,#2(#8(]T6(DXXU	A#	I CD5GGE(	I E5CHN(	I CX5MMG(	I CX5MMG(
ABCDEUUNBHC	407&->(Z=.T(;$0-/"*@(#8(&(J&%%,R0(;/&"V(q0/&(!*$	A#	I D5XMG(	I C5MHN(	I M5DUH(	I M5DUH(

A&/*"&'(;-,02-0%(e(J&/:0@&/,-%5(6#''070(#8

2#/

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!:>%,-%(&23(1%/"#2#@>5(L0$&"/@02/(#8

ABCDEEFHBHC	J#2#',/:,-&''>(Q2/07"&/03(.:,2BW,'@f;,',-#2(.&230@(!:#/#0'0-/"#30%(8#"(Z,7:(=88,-,02->(&23(;/&+'0(!:#/#0'0-/"#-:0@,-&'(?&/0"(;$',//,27	A#	IDX5MNM(	ICG5UDU(	IMC5FFF(	IMC5FFF(
ABCDENUUBHC	.:0(A&/*"0(#8(/:0(6*""02/(P*/+*"%/(#8(/:0(K0(;/&"(ZL(EDDE	A#	ICX5CHF(	IX5FEM(	IDN5HNG(	IDN5HNG(
ABCDENUEBHC	J#30',27(/:0(3*%/(8#"@&/,#2(&23(30/0-/,27(!1Z%(&"#*23(-&"+#2B",-:(?[(+,2&",0%	A#	IN5HHH(	IH(	IN5HHH(	IN5HHH(
ABCDENEHBHC	K#9B%:#-\%(&23(c0/%(,2(/:0(W&"BQ[V(g0'#-,/>([0%#'R03	A#	IM5EXD(	ID5GCX(	IN5HHH(	IN5HHH(
ABCDENNGBHC	!'&20/(P--*""02-0(&"#*23(J,3BJ(L9&"8%(,2(/:0(a0$'0"(W,0'3	A#	IF5HFE(	IM5UHG(	ICG5UFF(	ICG5UFF(
ABCDNHGCBHC	;$0^/##'(*$7"&30(8#"(;$0m	A#	IF5DME(	IM5UNE(	ICG5XDD(	ICG5XDD(
.BCDENFCBHC	=^$'#",27(W&"BQ[(1+*23&2-0(L,&72#%/,-%(,2(A0&"+>(T&'&^,0%	A#	ICM5DXE(	IG5NCM(	ICX5HHH(	ICX5HHH(

!:>%,-%(&23(1%/"#2#@>5(L0$&"/@02/(#	DM<EN	IG5DMH5CXN(
A&/*"&'(;-,02-0%(e(J&/:0@&/,-%5(6#''070(	XM<XM	ICH5CFD5GCU(

A*"%,275(6#''070(#8

2#/

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A*"%,275(6#''070(#8

6BCDMHNFBHU	[=4Q=WV(1(T'#+&'([07,%/">(/#(=R&'*&/0(4#27B.0"@(=880-/,R020%%(#8 A0*"#%/,@*'&/,#2(.:0"&$>(8#"(!&,2	A#	IDH5FCX(	IE5DNU(	IDN5CFM(	ID5NCF(
ABCDEGXHBHC	A*"%,27(=3*-&/,#2(T"&2/(!"#7"&@(bA=T!S	A#	ICGD5HCG(	IEN5FXN(	IDHH5HHH(	IDHH5HHH(
ABCDEUDNBHC						IC5HHH(

A*"%,275(6#''070(#8S M<GU IDXN5HCN(

! : &"@&->(e(! : &"@&-0*/,-&'(; -,02-0%5(6#''070(#8

2#/

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! : &"@&->(e(! : &"@&-0*/,-&'(; -,02-0%5(6#''070(#8

2#/

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J03,-,2&'(&23(K,#'#7,-&'(6:0@,%/">5(L0$&"/@02/(#8

ABCDEGECBHC	Q2(g,R#(! : #/#&8,2,/>(4&+0',27(]%,27(6&%$0"(q0+"&8,%:(8#"(.&"70/(Q302/,8,-&/,#2	A#	IUH5HHH(	IDE5NUH(	INE5NUH(	IMF5XXN(

J03,-,2&'(&23(K,#'#7,-&'(6:0@,%/">5(L | M<UU | IFHH5UGU(

! : &"@&-#'#7>5(L0$&"/@02/(#8

6BCDMEUGBHD	. : 0([#'0(#8(J>#->/0(! ",@&">(6,',&(,2(6&"3,&-(L,%0&%0	A#	INH5HHH(	IN5HHH(	INN5HHH(	INN5HHH(
ABCDEHNGBHCB1C	6PD(Q2:&'&/,#2(02:&2-0%(/:0('&+,',/>(#8(80&"(@0@#">	A#	IDUH5HHH(	IFF5HHH(	IGMF5HHH(	
ABCDEDHUBHC	! ",@&">(-,',&(3>%8*2-/,#2(&23(-&"3,#R&%-*'&"(-#@$',-&/,#2%(,2($#'>->%/,-(\,320>(3,%0&%0	A#	IDNN5GMF(	ICHC5EGU(	IGNX5FXM(	IGNX5FXM(
ABCDEDDFBHC	12/,-&2-0"(1-/,R,/,0%(#8(W0R,''0&(6#"3,8#',&(&23(,/%(1-/,R0(6#2%/,/*02/%	A#	ICCE5HHH(	ICC5EHH(	ICDN5EHH(	ICDN5EHH(
ABCDEGGCBHC	; ,72&'(%:&$,27(R,&(@*'/,$'0(&''#%/0",-(%,/0%(#2(#',7#@0",-(@*%-&",2,-("0-0$/#"%	A#	IFH5HFE(	IME5GFF(	ICGE5MFU(	IXC5XFN(

! : &"@& - >(e(! : &"@& - 0 * /, - &'(; - ,02 - 0%5(6 #''070(#8

2#/

209

! : &"@& - #'#7>5(L0$&"/@02/(#8

ABCDEGECBHC	Q2(g,R#(! : #/#&88,2,/>(4&+0',27( ] %,27(6&%$0"(q0+"&8,% : (8#"(.&"70/(Q302/,8, - &/,#2	A#	IUH5HHH(	IDE5NUH(	INE5NUH(	IDE5XEG(
ABCDEEEUBHC	; /*3>(#8(1'\02#20%(%#*" - 03(8"#@(Q%# - : ">%,%(&'7&0(8#"(%&80/>(&23($#/02/,&'(&$$', - &/,#2%(,2(/ : 0(- #%@0/, - (&23($0"%#2&'(- &"0(,23*%/">	A#	ICD5UHH(	IH(	ICD5UHH(	ICD5UHH(
ABCDEXCUBHC	L0R0'#$@02/(#8(&(A0 9(."0&/@02/(8#"(1 * /,%@(; $0 - /"*@(L,%#"30"%	A#	ICU5HHH(	IH(	ICU5HHH(	ICU5HHH(
ABCDEFCFBHC	L0R0'#$@02/(&23(- : &"& - /0",0&/,#2(#8(2, - #/,20('#&303(%#',3(',$,3(2&2#$&"/, - '0(: >3"#70'%	A#	ICH5HHH(	IC5HHH(	ICC5HHH(	ID5NUH(

! : &"@& - #'#7>5(L0$&"/@02/(#8S E<DH INDD5UFM(

! : &"@& - >(! "& - /, - 05(L0$&"/@02/(#8

ABCDEMMXBHC	QB6 #"$%V(6 #@$ * /&/,#2&'(; >%/0@%(/#(L0',R0"(! "#$0"(Q2_0 - /&+'0(."0&/@02/%	A#	IMU5HHH(	IU5HHH(	IUH5HHH(	IUH5HHH(
ABCDEMNXBHC	; /*3>(#8(1'\02#20%(%#*" - 03(8"#@(Q%# - : ">%,%(&'7&0(8#"(%&80/>(&23($#/02/,&'(&$$', - &/,#2%(,2(/ : 0(- #%@0/, - (&23($0"%#2&'(- &"0(,23*%/"><	A#	IN5UNE(	ID5MDM(	ICH5HHH(	ICH5HHH(

! : &"@& - >(e(! : &"@& - 0 * /, - &'(; - ,02 - 0%5(6 #''070(#8

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! : &"@& - >(! "& - /, - 05(L0$&"/@02/(#8

ABCDEUDEBHC	=2 : &2 - ,27(/ : 0(30',R0">(#8(,+ * $"#802(/ : "# * 7 : (/ : 0(% \ ,2(* %,27(,2(%,', - #(@#30',27	A#	I CH5HHH(	I H(	I CH5HHH(	I CH5HHH(
ABCDEFHEBHC	.0%/,27(1'\02#20%(,2(; * 2% - "002%	A#	I N5UNE(	I D5MDM(	I CH5HHH(	I CH5HHH(
ABCDEFCFBHC	L0R0'#$@02/(&23(- : &"& - /0",0&/,#2(#8(2, - #/,20('#&303(%#',3(',$,3(2&2#$&"/, - '0(: >3"#70'%	A#	I CH5HHH(	I C5HHH(	I CC5HHH(	I X5DUH(
ABCDNHUFBHC	; / * 302/(; * $$#"/	A#	I X5HHH(	I H(	I X5HHH(	I X5HHH(

! : &"@& - >(! "& - /, - 05(L0$&"/@02/(#8S	U<NU	I FE5DUH(
! : &"@& - >(e(! : &"@& - 0 * /, - &'(; - ,02 - 0%5(6 #	CN<UH	I C5NGM5GNF(

! "#R#%/(B(1 - &30@, - (188&,"%5(=2"#''@02/(; 0"R, - 0%

2#/

209

40&"2,27(=2 : &2 - 0@02/(602/0"

6BCHDNDGBDF	6&"'(L<(! 0" \ ,2%(T"&2/	A#	I EF5CHE(	I H(	I EF5CHE(	I EF5CHE(

!"#R#%/(B(1-&30@,-(188&,"%5(=2"#''@02/(;0"R,-0%

2#/

209

40&"2,27(=2:&2-0@02/(602/0"

6BCHGFCCBDD	].(;/*302/(;*$$#"/(;0"R,-0%	A#	IDDU5FCM(	ICX5HNG(	IDMG5FXN(	IM5XXH(
	40&"2,27(=2:&2-0@02/(602/0"S			C<HD		ING5FXE(

!"#R#%/5(=^0-*/,R0(g!(1-&30@,-(188&,"%

ABCDEGXUBHC	DHCNBDHCF(L&%:(=@0"702->(T"&2/	A#	IDCH5HHH(	IH(	IDCH5HHH(	IDCH5HHH(
ABCDENNFBHC	s.&-\',27(."&2%80"t([07,#2&'(."&2%80"(T"&2/(19&"3	A#	IG5HHH(	IH(	IG5HHH(	IG5HHH(

! *+',-(; &80/>

2#/

209

[0%0&"- : (e(; $#2%#"03(! "#7"&@%(J 6

2#/

209

[0%0&"- : (e(; $#2%#"03(! "#7"&@%

ABCDEDFGBHC	.#'03#(JK16	A#	IGGH5HHH(	IH(	IGGH5HHH(

[0%0&"- : (e(; $#2%#"03(! "#7"&@%S	D<HH	ICGN5NFG(
[0%0&"- : (e(; $#2%#"03(! "#7"&@%(J 6S	D<HH	ICGN5NFG(

; /*302/(188&,"%

2#/

209

; /*302/(1 - /,R,/,0%(13@,2

6BCDUDXMBHG	A#"/ : 90%/(P : ,#(Z,7 : (; - : ##'%(. : &/(? #" \f .0- : (! "0$	A#	ICXM5GHG(	IF5NHF(	ICFM5HCD(	ICFM5HCD(

]2,R0"%,/>(6#''070

2#/

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L0&2(B( ]2,R0"%,/>(6#''070

6BCDGDUGBHN	J,',/&">(;0"R,-0(602/0"(;/*302/(;*$$#"/	A#	ID5XHH(	IXFE(	IG5EFE(	IG5EFE(
ABCDGDUGBHC	J,',/&">(;0"R,-0(602/0"(;/*302/(;*$$#"/	Y0%	IG5EFE(	IH(	IG5EFE(	IG5EFE(
ABCDENGMBHC	W61(.16(40&30"%:,$(L0R0'#$@02/	A#	ICM5ENU(	IH(	ICM5ENU(	ICM5ENU(

L0&2(B( ]2,R0"%,/>(6#''070S	G<HH	IDD5HEN(
]2,R0"%,/>(6#''070S	G<HH	IDD5HEN(

].(J03,-&'(602/0"

2#/

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P!B6',2,-B6&"3,#'#7>

ABCDMNHXBHC	];BK&%034932 I S80 0 0 50 -1 80 0 5478 Tm /9 179 7496690 5,2,-B6)+8#&+$X	INHH(