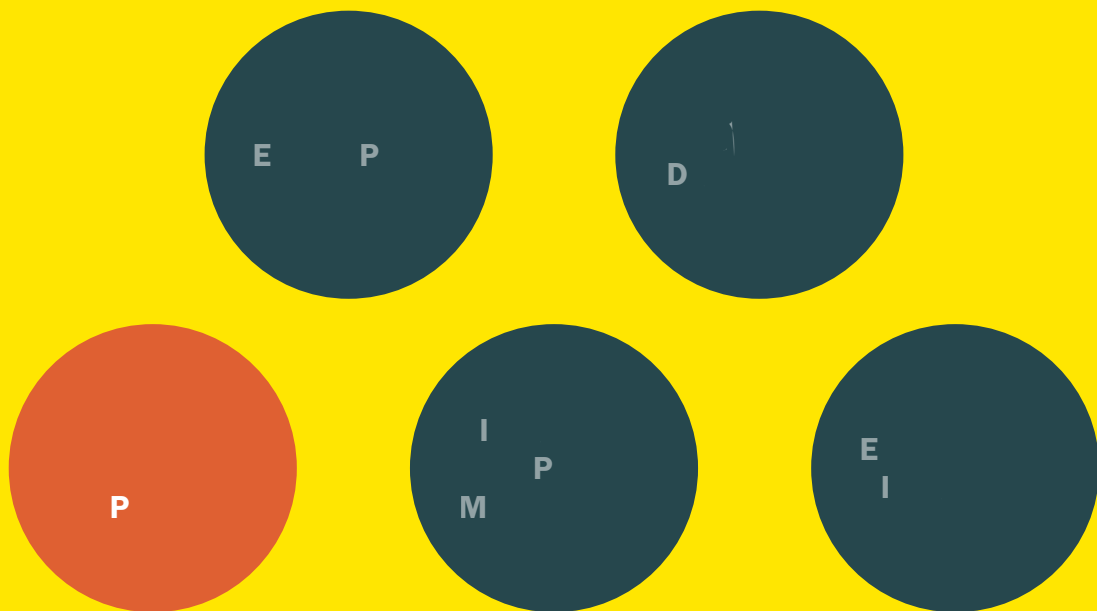


SWPS 2021_01 (January)



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f&*''##>@'/3%1-, 31-/'PECD''*+'\$''%#>'PEPE'7\$''''#>)\$+'. \$51*+'''>'1.-%5\$.'18'&*81%9''/&1*'&*5#-+&*, '%\$41%/. ' '*+'15&''#9\$+&'''7\$6'4", \$. '4%1+-5\$+'6>'1%, ''*&)'/'&1*.'18'4\$14#\$'. -88\$%&*, '8%19'03"', ". 'M4\$14#\$'&*8\$5/\$+'1%#&:&*, '&''''\$". '7&/3'3&, 3'&*8\$5/&1*''/'\$.G'. -53'''. '/3\$'Z*'/ \$%''/'&1*''#f+\$%''/'&1*.'18' (..15&''/'&1*.'18'4\$14#\$' "88\$5/\$+'6>'03"', ". 'MfZQHS0W(\ (LG''*+''''+15-9\$*''''>'4%1+-5\$+'6>''''03"', ". '\$+-5''/'&1*''#4%1h\$5/'&*51##'61%''/'&1*7&/3%--%''#''..15&''/'&1*.'&*'(%, \$*/&''''ML''*9''%&1@'PECXG;'23\$&&':&\$7'7". '\$=%\$9\$#>'&941%''*'/1'-*+\$%\$./''*+'/3\$'*\$\$+.'18'/3\$'4\$14#\$'+&%\$5/#>'. -88\$%&*, '/3\$'51*.\$_-\$*5\$.'18'/3\$'+&.\$". '\$'

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23\$'9''&*+'/'/'1.-%5\$'-.\$+'81%'1-%'_-''*/&''/&:\$''''#>.&.'51*.&./.'18''''+'/'6". '\$51*''/&*&*, '&*81%9''/&1*'1*'4-6#&5''/&1*.' 'M2&/#\$@'(6./%'5/@' [\$>71%+. @' (-/31%. @' (88&#&''/&1*.'G''*+'/3\$&%5&''/'&1*.'8%19'/3\$'A\$6'18'L5&\$*5\$' MA1LG'6&6#&1, %''43&5+'/'/'6". '\$4%1+-5\$+'6>'2319.1*'J\$-/\$. 'MD+\$&#-&1:/+, :+@'PECDG;' \ &:\$*'/3''/'0.0267.00K.04618431

<-%'9"&*""*""#>.&.'51*.&./.'18'&+\$/&8>&*, '+&88\$%\$*'/14&5.'7&/3&*'03", ". '%\$. \$"%53'""*+'./-+>&*, '317'/3\$>' :"%>""5%1..'%\$, &1*.'""*+'&9\$'4\$%&1+.;'

A\$'-. \$'/3\$'9\$/31+'18'/14&5'91+\$##&*, '/1'+&.51:\$%'51991*2#5/:0'"5%1..'"'51##\$5/&1*'18'+15-9\$*./; '7*'4"/&5-#"%'7\$'-. \$' ^"/\$*/' H&53#\$/ ' "##15"/&1*'M^H(G'81%'8&/&*, '/3\$'/14&5'91+\$#; '23&.'9\$/31+1#1,>'51*.&+\$%.'\$ "53'+15-9\$*/'".'""'+&./%&6-/&1*'18'/14&5. @'""*+'\$ "53'/14&5'".'""'+&./%&6-/&1*'18'71%+.; '23&.' "##17.'+15-9\$*./1%"\$#"/\$'/1'\$. \$:"\$#"/14&5.'7&/3'+&88\$%\$*'/#:\$.\$#.'18'&*/\$*.&/>'@%" "/3\$%/3""*6\$&*, '. \$4"""/\$+'&*/1'+&.5%\$/\$', %1-4.; 'M0"..&\$\$/""#; @'PECYI'J16&*.1*'N'L&#, \$@'PECYG; 'S"53'/14&5'&*'^H('&.'""'9-#/&*19&""'+&./%&6-/&1*'1:\$%'/3\$/\$%9.'&*/3\$:15"6-#"%">'18'/3\$'51%4-.; 'A\$'%8\$%'/1/3\$'4%16"6&#&/>'18'/\$%9', '6\$&*, '\$*\$%"/\$+'6>'/14&5'6'"".'! "\$\$_{mn}; 'H15-9\$*./.'""\$%\$#"/\$+'/1'/14&5.'6>'\$. /&9"/&*, '/3\$'4%141%/&1*'18'71%+.'8%19"\$ "53""6./%"5"/3"/""\$%, \$*\$%"/\$+'8%19"\$ "53'/14&5; 'A\$'%8\$%'/1%"\$&&\$_{im}"".'/3\$'4%16"6&#&/>'18'+15-9\$*'/&6\$#1*, &*, '/1'/14&5'6;''

A\$' "44#>' /14&5'91+\$##&*, '/1'1-%'-.6?."94\$

$$f_i^*(\cdot) = \begin{cases} 0 & \text{if } i = 1, \dots, n \\ \infty & \text{otherwise} \end{cases}$$

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? $M, 2^+$)

%11/\$+'&*#"5B'18"%\$#:"/'B*17#\$+,\$'&*/3\$'4-6#&5'41#&5>'""\$*"'6-/'"#.1'1*41#&/&5"#'8%&5/&1*.'73&53'""\$*'1/'\$=4#"&*\$+'6>'B*17#\$+,\$'.31%/','\$,;''

U\$/@/'&/'7".'9\$*/&1*\$+'&*9-#/&4#\$'&*/\$%:&\$7.'8%19'&*+&:&+-"#.'7&/3':""&1-.'6"5B,%1-*+.@'/3'/'%\$. \$"%53'1*'03", ". '*\$\$. ' /1'8-%/3\$%'&*5#-+\$' /3\$'.15&""'4\$%.4\$5/&:\$'18' /3\$'4%16#\$9@'\$.4\$5&""##>'&*'/3\$'41#&5>'""\$*";'J\$. \$"%53'1*""##/3\$'1/3\$%'15&1\$51*19&5'53'""'5/\$%&./&5.'. -53'"".'9""%, &""#&)" /&1*@'+&.5%&9&*"/&1*@""*+'.15&'#':-#*\$%"6&#&/>'7\$%\$'9\$*\$/&1*\$+'"".'5\$*/"#'/1'/3\$'8&,3/"" , "&*./'/3&.'4%16#\$9;'K-/' :\$%>'5#%"#>'6>'""*&941%/"*/'9\$96\$%'18'""4-6#&5'1%, ""&)" /&1*71%B&*, '1*'03", ".F'

G4;+&*%3&T+&02%)2&0+/,=&7;%=%0&%0&%0#:/%"&5)#\$"+6B&T+&T/""&\$+&%\$"+&2#&02%)2&)+*(:/,=&7;%=%0&/,&#()&: # (,2)3H I&MK1#&5>'9"BS\$G'

A&/3&*'/3&.'.15&""'4\$%.4\$5/&:\$@'.19\$'B\$>'&...-\$.'7\$%\$'%"&.\$+'.-53'"".'/3\$'*\$\$\$+'81%'%\$. \$"%53'1*'317'/'1'&94#9\$*'/41#&5&\$.'%"#"/\$+'/'1'03", ". '&*/3\$'91./'\$88\$5/&:\$'9""**\$%'1%'/3\$'*\$\$\$+'81%'%\$. \$"%53'1*'317'/'1'6\$./' "44%1"53'\$+-5'"/&1* '&*03", ". '&*1%+\$%/'1'51:\$%'/3\$'&941%/"*/', "4.'&* '&*81%9"/&1*""61-/'/3&.'4%16#\$9'""51..' "" , %\$"/'4""/'18'/3\$'414-#" /&1*;'Z'*/3\$'71%+'.18'""*=\$4\$%/'&*/3\$'8&\$#+18'03", ". '1*'/3&.'&...-\$F'

U*(: %2/#, &/, &7; %=%0& ; %0&\$++ , &(, *+)+02/6%2+*&RVS&%0&/-&/2&T+)+&, #2&)+%"&)+0+%): ; &RVS&M , &2;/0&5)#\$"+6%2/:&R7;%=%OS&*-1(&)+1(4600)(/)-1(6%) -1(2)-1(+)-1(*)-1(&-8(R)-1(V)(H)-2(6%) -1(2)-1(1(2((-1(,)-1(*)-1(+)-1())-1(+)-1(0)

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9\$/31+1#1,>'73&53'""#17.'/1'#11B'+\$\$4\$%'&*/1'03", ". '%\$. \$"%53'""*+'&+\$*/&8>'/3\$'+&88\$%\$*/'/14&5.'7&/3&*'/3\$'
51%4-.;'A&/3'/3&.'""&9'&*'9&*+@'7\$%'\$5-%/1'/14&5'91+\$##&*, '9\$/31+;'

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/3&.', &:\$. ""'5# \$"%&+\$""'18'/3\$'+&88\$%\$*/'8&\$#+. '7&/3&* '03", ". '%\$. \$"%53¹³;"

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23\$'81#17&*, '#&*B', &:\$. ""'55\$..'/1'""* '&*/\$%"5/&:\$':&. -"#&)"&1*'18'1-%/14&5'9"4'7&/3'CP'/14&5.F'[AZQL](#);'S"53'
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+1*'1/'..\$\$9'/1'+%&:\$'%\$. \$"%53;'23&.'.317.'/3''/%\$. \$"%53'&*/3&.'''\$''&*'(%, \$*/&*''&.'8%", 9\$*/\$+'''*+'%\$. \$"%53'
,%1-4.'+1*'1/'3":\$'9-53'&*/\$%"5/&1*@\$&/3\$%'*"/&1*''##>'1'&*/\$%*''/&1*''##>;'
(%, \$*/&*\$'&*..&/-/&1*.'/\$*+'/'1'4-6#&.3'1*'7# , =+ , &N& . /% = , 'M \ %1-4'PG'&* '51##"6]TJETQq0.24"%5

23\$'./-+>'-.\$. '_-''*/&/'/'&:\$'""*+'_-'#&/'/'&:\$'/\$53*&_-\$.'/1'\$=4#1%\$'/3\$' '..15&''/1*'6\$/7\$\$*'+\$9""*+'""*+'
.-44#>'18'.5&\$\$/&8&5%\$. \$"%53'&*/3\$'5". \$'18'03", ".@''''*\$,\$5/\$+/'/%14&5''#'+&.\$". \$@'7&/3'''815-. '1*' (%, \$*/&*\$'""*'
+\$9""*+;'7*'1%+\$%'/1'""*"#>)\$'/3&.'""#&,*9\$*/@'7\$'51*.&+\$%'61/3',#16""#""*+'#15""#'%\$. \$"%53'. -44#>;'A\$'""..\$. .' /1'73"/' \$=/\$*/'%\$#:\$'"/B*17#\$+,\$'3". '6\$\$*'4%1+-5\$+'71%#+7&+\$'""*+'73\$/3\$%' (%, \$*/&*""3". ' +\$: \$#14\$+' %\$. \$""%53'5"4"6&#&/&\$\$. '/1'4%1+-5\$'-. \$8-#B*17#\$+,\$'1%'/1'""6.1%6@'-. \$'""*+'""+"4/'&/'8%19'/3\$'&*/\$%*"/&1*""# %\$. \$""%53'

6\$*\$'51*5\$*/%"/\$+'"/31-,3'61/3'.317'+\$5\$".&*, '/%\$*+.'''51..'/&9\$;23&.'5''&*+&5''/\$'/3''/1*1*\$'3''*+@'
/3\$'5-%%\$*'/B*17#\$+, \$'6". \$'81%/3\$.\$'""\$\$. '&.' -88&5&\$*'/1'9\$\$/'5-%%\$*'/+\$9''*+.'@''*'+1*'/3\$'1/3\$%'3''*+@'
/3''/3&.'%\$. \$''53'51*./&/-\$\$. ''', \$*\$%''#''*+'6". &5'B*17#\$+, \$'6". \$'*\$\$\$+\$/1'+\$:\$#14'%\$. \$''53'1*'/3\$'1/3\$%'
/14&5.;'23-.@'/3\$, %17/3'18/3\$.\$'""\$\$. '&*'/3\$'4". /'9">'3":\$''#17\$+'81%/3\$'4%1, %\$.. '18'%\$. \$''53'&*'/3\$'1/3\$%'
/14&5. '/1+">;'

21'51*5#-+\$@'73\$*''''#>)&*, '.5&\$*5\$'41#&5&\$\$. '&*'%\$#''/&1*'/1'.15&\$/'#'*\$\$+.'@'7\$'. \$\$/3''/9 -#/#4#\$'4"/3. '\$=&./'
/1'#&*B'. -44#>''*'+\$9''*+'8''5/1%.;' A3&#\$'&*'.19\$'5". \$. '81./\$%&*, '#15''#B*17#\$+, \$'&.'6\$*\$8&5&''#&'&*1/3\$%.'
4%191/&*, '51##'61%''/&1*7&/3'&*/\$*''/&1*''#&*'. /&/-\$\$. '\$9. /'3\$'4\$8\$%\$+'14/&1*;'W17\$:\$%&'&*''''#5". \$. '/3\$%\$'
&.'''*\$+\$+/1'71%B'5#1.\$#>'7&/3/3\$'+&:\$%.&/>'18"/'B\$31#+\$%\$. '&*:1#:\$+'&*'/3&*B&*, ''*+'+\$:\$#14&*, '.1#-/&1*.'
81%'03", ". '9 -#/#&+&9\$*. &1*''#4%16#\$9. ;'23&.'7&##''#17'/1'&+\$/&8>'/3\$'%\$. \$''53'4&1%&/&\$. '91%\$'88\$5/&:\$#>'
''*+' /1' -*+\$%./''*+' 317'. \$:\$%''# '03", ". ?%\$#''/\$+'&..-\$\$. '&*/\$%'5'/ /1' '53&\$:\$' ''* '&*/\$, %''# ' ', \$*+''' /17''%+'. '
..-/'&*''6#\$'+\$:\$#149\$*;/ ' <4\$*&*, '-4'/3\$'41#&5>'", \$*+''' /1'6&*, '81%7''%+' /3\$': '#-\$\$. ' ''*+' B*17#\$+, \$'18'
9 -#/#4#\$\$. /'B\$31#+\$%\$. ''*+'\$*, ", \$'/3\$9'&*'+\$.&, *&*, '.1#-/&1*.'9">''#.'1'51*/%&6-/\$'/1'+\$:\$#14'91%\$'&*/\$, %''#'
.1#-/&1*'/1'03", ". ;@'73&53'7". /'3\$'3&, 3\$./'4%&1%&/>'7\$'&+\$*/&8&\$+;'

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e1%/)@'\ ;@'N'2319". @'W;'MPECDG;'K''". &/\$. @'6- ,. ''*+'6''*B.F'K%16#\$9. ''*+'51*./%''&*/. '18'+\$.&, *&*, '
41#&5&\$\$. ''*+'/'53*1#1, &\$. '/3''/'/%''.81%9'JNH'&*'/1'3\$''#/35''%\$.1#-/&1*.'F'/3\$'5". \$'18'03", ". '
+&.\$'. \$'&*'(, \$*/&*''MPEEYmPECYG;'M, , #9%2/#, &%, *& . +9+"#56+, 2@'YMPG@'PPXmPTa;'
3/4.Fgg+1&1%, gCE;CEREgPCXYDaEn;PECD;CXbYDET'

e-.3@'!;'MCDTX"G;'1:/+, .: +B&2; +&+, *''+00&-)#,2/+))

HQH&;'MPECRG;' *dPh*MO!&4XUP4*dUO4*1P>UX&PO. & *dWXU*&U>>U74M`U&>WX&AUWALU&LM`MO!&D4*b*&
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E T D C ; P E E Y ; E E a X D ; = ' O 1 * / , 19 \$ % > @ ' L ; ' K ; @ ' K " % & . \$ @ ' O ; ' S ; @ ' H 1 / . 1 * @ ' S ; ' O ; @ ' N ' e " # \$ B @ ' L ; ' J ; ' M P E C b G ; ' A 3 " / ' H 1 ' A \$ ' [* 1 7 ' (61 - / 03 " , " . ' H & . \$ " . \$ ' & * ' / 3 \$ ' k * & / \$ + ' L / " / \$. ` ' 4 ; + & P 6 +) / : % , & e # () , % " & # - & 4) # 5 / : % " & d + * / : / , + & % , * & b 3 = / + , + @ ' Y c M b G @ ' C P P X m C P P Y ; ' 3 / 4 . F g g + 1 & ; 1 % , g C E ; T P b D g " h / 9 3 ; C b ? E P C a ' Q \$ # . 1 * @ ' J ; ' J ; ' M P E C C G ; ' 23 \$ ' 9 11 * " " * + ' / 3 \$ ' , 3 \$ / / 1 % \$: & . & / \$ + ; ' 1 : / + , : + & % , * & A (\$ " / : & A # " / : 3 @ ' J Z M D G @ ' b R C m b D E ; ' L 514 - . ; ' J 16 & * . 1 * @ ' H ; @ ' N ' L & # , \$ @ ' l ; ' M P E C Y G ; ' 4 + K 2 & d / , / , = & T / 2 ; & X @ & P & 4 / * 3 & P 55) # % : ; ; ' < V J \$ & # # > ; ' L " # / \$ % @ ' (; ' l ; @ ' N ' O " " % & * @ ' e ; ' J ; ' M P E E C G ; ' 23 \$ ' \$ 51 * 19 & 5 ' 6 \$ * \$ 8 & / . ' 18 ' 4 - 6 # & 5 # > ' 8 - * + \$ + ' 6 " . & 5 % \$. \$ " ' 53 F ' (' 5 % & / & 5 " # ' % \$: & \$ 7 ; ' X + 0 + %) : ; & A # " / : 3 @ ' J [M a G @ ' X E D m X a P ; ' L 514 - . ; ' 3 / 4 . F g g + 1 & ; 1 % , g C E ; C E C b g L E E T R ? Y a a a M E E G E E E D C ? a ' L " * 9 " " % / & * 1 ' M 011 % + ; G @ ' O ; ' M P E C X G ; ' b % \$ " % 6 # 0 & * + & 7 ; % = % 0 H & P 5 #) 2 + 0 & 5 %) % & R) + \$ 5 + , 0 %) & " % & 5) # \$ " + 6 j 2 / : % & : # , & (, % & 6 /) % * % & / , 2 + =) % " H & 7 # , 2 + , 20 @ & P 6 / + 9 % B & 7 H B & ' % " 0 % " # \$) + B & P H B & 7 %)) " " # B & 7 H B & d %) 2 / B & ! H B & d + * # , + B & A H B & d #) * + = " / % B & 7 H B & X + : ; + B & ` H P H B & 1 % , 6 % ) 2 / , # B & d H B & 1 : % 88 # " % B & d H 1 H ' 0 < Q Z 0 S 2 ; ' L " \* 9 " " % / & \* 1 @ ' O ; ' M P E C X G ; ' . # : ( 6 + , 2 % " L ( : ; % 0 & 7 % 65 + 0 / , % 0 & > ) + , 2 + & % " & 7 ; % = % 0 ; ' 3 / 4 . F g g 7 7 7 ; > 1 - / - 6 \$ ; 519 g 7 " / 53 ` : w _ S B e [e Y # Q / O ' L " " \$ 7 & /) @ ' H ; ' M P E C Y G ; ' L " # : " " " " ' 5 & \$ * 5 & " ; ' X + 9 / 02 % & * + & U : # , # 6 k % & M , 02 / 2 (: / # , % " @ ' ? Y M a Y @ ' a C ; ' 3 / 4 . 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