

:p/ 1\=I\*Ô@H@q2 :>DÉA 2i)í?i>Ã;60•(Ž  
 , Q I R U P D W L R Q ) R U P I R U 6 - 7 8 \* U D G X D W H

B.0; * \ Ÿ % DVLF , QIRUPDWLRQ			
B.0; =0 &RXUVH 1	Ä]· &KLQHVit6 ÄPH (QJOÄL3UKLQFLSROOHVGRILFDWLRQ		
-6 &UHGLWV		-& 7HDFKLQJ	+RXUV Ä -6 B.&Ä
0B.-O 6HPHVW	Ü“-O )DOO HU	_VD-O &URVV VH	V 1 P D 6SDQQLQJ Z-YCHU PHVWPHVPHÄVPHUÖÄ Ä
B.0;2« » &RXUVH 7	CJ*.pB. 3URJUDP &RXUVH 7	&RUBH; 62« &RXUVH 7	-fB.0; )RU IXOO WLPH VWXGHQW
B.0; WCX &RXUVH &	CJB 6SHFLDOLJH &DWHJRÜ\	G. &RXUVH 7DUJHWLQJ	B.0; 0DVWHU /HYHO 6WXGHQWV
.B.B@0 ,QVWUXF /DQJXDJH	W.LRQKLQHVH	k?±.B.é? 7HDFKLQJ	B.2%-Q FODVV WHDFKLQJ OHWKRG
@52« » *UDGH	1y\lf /HWWHU JUDG (DP 0HWKRG	k?±63hé? (DP 0HWKRG	1DB :ULWWHQ ([DP
0B.L'3+ 6FKRRO	€É-L' 606(		
pŽ-0 6XEMHFW			
COCS‰8 3HUVVRQ LQ	= 1DPH ' ,' FKDUJH -LDQJXR /L	...} 6FKRRO €É-L' 606(	6„3+ é? ( PDLO OLMJ#VMWX HGX FQ
B.0;™ ... Ÿ ([WHQGHG , QIRUPDWLRQ			
B.0;1°û ]· &RXUHMFUL	Ä 6lä 2F B.0; Ê } Ä‰— 7 Ä k?±‰— µ é Ä x B.0;1y x = A ¾ ‡ ÄÄ *OEj fFP J], ' * .p*6Aê -0 Èj -+O ¼ FO ÄF 4ø » a7- fFP È 8ªAiÄÑ *6Aê * .p Ä B.0; k?± H Ž, ' *E÷0; j » È ù4ý *, ' * \i*6 ¼ *.DO!, ' 0 àF ... ÄGý&éAä F *464÷ ' @, ' 08\?ø » Ä *+ M' ' 1Eœ , ' *6Aê > ÎD% Ä @ 6 = w 0 W ú! ' @ ?0 » Ä *E÷0; h+x, ' x f é# Ä1°?± ù4ýÄ f ÄMŽ! * f, ' 5 ' ÄMŽ! H Ž, ' @ ¼ f 7 é# ÄE÷ çÄ f, ' * j Ä F j X *E÷0; x f], ' OE+X ¼ Ä+X Ä  B.0; €É0 - * .p Ä €ÉÐ i*6 Ä €ÉÐ E÷0; ], ' PEÄ)àB'1yB.0; j x B.0; Ä		
B.0;1°û Ä(QJOÄLVK &RXUHMFUL	SVLFRQ		ÄN« > ] . 08\$ È6+BB' È'r Eilõ Ä Ä \$V WKH IXQGD PHQ WUDQVXUHQ RQ FIDQGRQ JS URYOIGHVLVW X EDVLF SULQFLSOHV RI VPDUW FVWDSGJIRUWKQK LJK HIILFL , Q WKH FRXUVH VROGLLILFDWLRQPSROHLEFXWK MHKMDIXQGD DQG WKH DGYDQFHV LQ WKH VROLGHLBBQWHBQOUBVHQOEIF IRUPDWLRQ RI VROGLLILFDWLRQH WRQXSWXUGJ IRUWVWHDV IRU WKH VROXWH UHGLVWULEXWLRQOOCG WRSIKDVE RQGV U7 VWUXFWXUH RI OLTXLG DQG DPRUDKRXM RQRIGDPVKHSKRK VROGLLILFDWLRQ EHKDYLRU RI XCGHIUFRWONG WOKHXLVSOLO FRQWURO ZRXOG DOVR EH LQWURGXFHG 7R DWWHQG WKLW FRXUVH IXQGDPSQWVORM RDWBWHDUOLV WUDQVSRUW SKHQSRPHVVOQPDWKHXLVDFVBFHHDUQHGL

		Ä *AB G> ' ? È 4 G µ é Ö1 8² Ä k?± µ é ÄB. & Ä % - é ?1y Ä			
		¿ ' 1 8²	k?± µ é	B. &	% - é ?
% - W4â ]· 6\OODEXV		* p ° 8ª `0 -	*)àB' ÖH Ž Ä 9jÄ j ∈ É * x *, ' ¶ " x * ¼8 'f0 -! éM', ' £3+ x *) ∈ É, 'Gý?± W		B. 2Aâ ,
		H Ž Ä f5 ' ¼ * È -	H Ž Ä f5 ' ú ! > 9 j Ä j ∈ É, ' j [ x ' Ä f5 ', '>~ ± x H Ž Ä f *, ' È - Ì*6		B. 2Aâ ,
		...-( 8H, ' *	*E÷0; ], ' #q x *E÷0; @ 6, ' 6 ¼ 6 3?ò » x MŽ £>' * Ö+ M'0c È W È @ 6E÷ ç Ì*6 È Ø*6Aê ¼ Ø 6 Ä x *+ M' a0c > *4ô4÷		B. 2Aâ ,
		J-( 8H, ' £M' }"i *	j   8H * Ö   !, ' ' 1 È j +O j K È j !+OK, '*6Aê Q »		B. 2Aâ ,
		K( & ¼K(K] , ' *	J s J-( 8H, ' * ÈK(K), ' * ÈK( &, ' * È: ÖE÷0; ], ' *L NÈ		B. 2Aâ ,
		' Ä f, ' * > j> • Ä	?ò ' Ä f Ä *E÷0; , ' h n' Ä J-( 8H, ' • Ä> j È ¼ * \, 'H-( 6 Ä. Aö		ÎP¼ ò?ò
		' Ä fE÷ ç ¼ E÷ ç ' Ä f, ' *	' Ä f, 'E÷ ç Ä é# E÷ ç ' Ä f, ' È - WCX E÷ ç ' Ä f, ' *		B. 2Aâ ,
		È A * Ä ... !+OK ú H Ž f	È A * é# ... !+OK é# ' f E÷0; ], ' *L NÈ		B. 2Aâ ,
		*E÷0; , ' #q Ø >   AÑ1Ç	*E÷0; ]#q f, '#q Ø Ö#q Ø > ™ ", '6V 8 È#q Ø >\$æCX ½ 6G) È#q ØL NÈ, '   * Q È#q Ø, ' IAÑ1Ç		B. 2Aâ ,
		H Ž MŽ !, ' ' @ ú !(@ W	MŽ !H Ž, ' 5 ' ¼ WCX È MŽ !H Ž, ' 9ç Ç È )è*3' @\$Y Ö		B. 2Aâ ,
		!2Ä4ö F	*E÷0; ], ' !2Ä4ö F*6Aê ¼ é# ÈX+O x ÎLu ], ' Ä+X		B. 2Aâ ,
		(@/ý * ° _	ò?ò ! ¶ @ È A * Ä... !+OK Ä ' f 1y (@/ý * ° _		ÎP¼ ò?ò
		B.0;63B			63B

  

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		1 R	6 HFW L R Q V	& R Q W H Q W / V	+ R X U
% - W4â Ä (QJOÄLVK 6\OODEXV		6 ROLGLIL )URP FUD VFLHQFH	FDROLGLILFDWLRQ RWJUDQLF LQRUJDQLF 7KH KLVWRU\ RI VROLGLILFDWLRQ 7KH UHODWLRQVKLS EHWZHHQ VROLGLILFDWLRQ DQG WKH RWKHU GLVFLSOLQHV 7KH LPSRUWDQFH RI VROLGLILFDWLRQ PDWHULDOV	SKHQRPHQWRUMDO LQRUJDQLF DQG HUL]DWLRQ RQ OLTXLG PHWDO DQGLFV RI VROLGLILFDWLRQ	
		/LTXLG V RI PHWDO WKHUPRG RI VROLG	WUXFWXUH GLIIHUHQFH DQGLFV RI PHWDO RUJDQLF DQG DQGLFV RI PHWDO RUJDQLF DQG DQGLFV RI PHWDO RUJDQLF DQG DQGLFV RI PHWDO RUJDQLF DQG	PHWDO PHWDO PHWDO PHWDO	
		6 ROLGLILFDWLRQ RI	+HDW IORZ LQ VROLGLILFDWLRQ		

	VLQJOH DOOR\V	6KROXWH UHGLVWULEXWLRQ GXULQJ VROLGLILFDWLRQ 1RQ HTXLOLEULXP VROLGLILFDWLRQ LQWHUIDFLDO VWDELQW\ FRQVWLWXWL XQGHUFRROLQJ 3HUWXUEDWLRQ GXULQJ VROLGLILFDWLRQ ,QVWDELQW\ RI WKH LQWHUIDFH DQG VROLGLILFDWLRQ VWUXFWXUH		
	3ODQDU VROLGLILFDWLRQ PXOWLSKDVH DOOR\V	6RROLGLILFDWLRQ RI HXWHFWLF FRXSORR\ RI HXWHFWLF DOOR\ FRXSOLQJ VROLGLILFDWLRQ RI HXWHFWLF DOOR\ FRXSOLQJ		
	&DVWLQJ VROLGLILFDWLRQ FDVWLQJ	6RROLGLILFDWLRQ RI FDVWLQJ VROLGLILFDWLRQ RI FDVWLQJ ZHOGLQJ		
	7KH VROLGLILFDWLRQ RI OLTXLQJ PHWDO VHJUHJDWLRQ	7R REVHUYH WKH OLTXLQJ VROLGLILFDWLRQ DQG HQGRWKHUPLF EHKDYLRU RI OLTXLQJ WKH VHJUHJDWLRQ RI PXOWLSKDVH PHWDO DQG OLTXLQJ VHJUHJDWLRQ RI PHWDO NQRZOHGJH		
	8QGHUFRROLQJ OLTXLQJ DQG WKH VROLGLILFDWLRQ XQGHUFRROLQJ OLTXLQJ	8QGHUFRROLQJ RI OLTXLQJ OLTXLQJ PHWDO DSSURDFKHV RI OLTXLQJ DQG WKH 7KHUPRG\QDPLF SURSHUWLHV RI OLTXLQJ VROLGLILFDWLRQ RI OLTXLQJ XQGHUFRROLQJ RI OLTXLQJ OLTXLQJ PHWDO		
	8QLGLUHFW VROLGLILFDWLRQ VLQJOH JURZWK SULQWLQJ	8QLGLUHFW RI OLTXLQJ VROLGLILFDWLRQ RI OLTXLQJ VLQJOH FURVWDO JURZWK SULQWLQJ RI PHWDO		
	/LTXLG GXULQJ VROLGLILFDWLRQ DQG LWV QXPHULFDWLRQ FDOFXODWLRQ	/LTXLG IORZ XLG IORZ GXULQJ VROLGLILFDWLRQ RI IORZ GXULQJ 7KH FRXSOLQJ EHWZHHQ OLTXLQJ IORZ VROLGLILFDWLRQ RI IORZ DQG LWV /LTXLG IORZ DQG VROXWH OLTXLQJ QXPHULFDWLRQ RI OLTXLQJ FDOFXODWLRQ RI OLTXLQJ 1XPHULFDWLRQ FDOFXODWLRQ RI OLTXLQJ IORZ		
	7KH IRUP DQG IHDWXU WKH PHWDO	7KH IRUPDWLRQ DQG IHDWXU RI PHWDO DQG IHDWXU RI PHWDO DQG IHDWXU RI PHWDO		
	*UDLQ UHILQHPHQW DSSURDFKHV UHILQHPHQW	*UDLQ UHILQHPHQW UHILQHPHQW RI PHWDO DSSURDFKHV RI PHWDO UHILQHPHQW RI PHWDO		
	6SHFLDO VROLGLILFDWLRQ WHFKQRORJYH	6SHFLDO RI PHWDO VROLGLILFDWLRQ RI PHWDO WHFKQRORJYH RI PHWDO		
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B.0;±"r Ä].Ä 5HTXLUHP	ÄB.0;63 h é ? Ä63 h 7 ö1y x = A ¾ ± Ä £ & Œ J B.2AQAê H0WV 04063B			

<p>B.0;?±"r  Ä (QJOÄLVK  5HTXLUHFP</p>	<p>ÄN« &gt;]·08\$ È6+BB' È"r EiLõ Ä Ä  + RPHZRUN  &amp; ODVV GLVFXVVLQ  )EQDO H[DP</p>
<p>B.0;Ct\$Ä  Ä]·Ä  5HVRXUFHV</p>	<p>Ä %o € Ä %o ò Ä5•1 Ct É1y ÄÄ  0 &amp; )OHPLQJV 6ROLGLILFDWLRQ 3URFHVVVLQJ  ]B \Ö *E÷0;  7 "yCŞ ÖH Ž *İ*6  ~W ¼1y Ö *°  : .XU] )XQGDPHQWDOV RI VROLGLILFDWLRQ  ]B \Ö *İ*6  0 ( *OLFNVDPQ 3ULQFLSOHV RI VROLGLILFDWLRQ</p>
<p>B.0;Ct\$Ä  Ä (QJOÄLVK  5HVRXUFHV</p>	<p>ÄN« &gt;]·08\$ ÈB' È"r EiLõ Ä Ä  0 &amp; )OHPLQJV 6ROLGLILFDWLRQ 3URFHVVVLQJ  &amp;KLQHVHÖVROVLGRQFDWLRQ SURFHVVVLQJ—q ~a! €0</p>