speedo

DAGSE 2

ZGEEL

Wedstrijdprogramma

19 en 20 februari 2022

Zaterdag en Zondag

=*((GDDJVH
*HHO

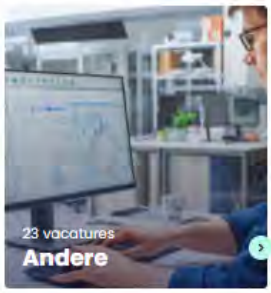
,QVFKULMI VWDWLVWLHNHQ YDQ SURJUDP

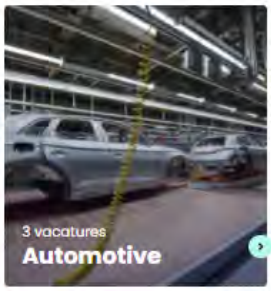
9HUHQLJLQJ	DIN GHSR\=ZHPPHUV ,QGLYLGXHOH (VWDIHWWHV +HUI'DPH\7RWDO+HUI'DPH\7RWDO+HUI'DPH\7RWDOO
$UHQGRQNVH =ZHPYHUHQLJLQJ	$=9
$]N	$=.
%UDEDQW (DVW 6ZLPPLQJ 7HDP	%(67
%UDER =ZHPFOXE $QWZHUSHQ	%5$%2
*HQNHU =ZHPYHUHQLJLQJ 1HSW	*=91V
+HLVWVH =ZHPFOXE $UGXDV	+=$
.HPSLVFK 6ZLPPLQJ 7HDP	.67
+]V	+=6
.RQLQNOLMNH =ZHPFOXE 2O\PS	=2/$QW IUS IQ
/HXYHQ $TXDWLFV	/48
0(*$]ZHPWHDP	0(*$
0ROVH =ZHPFOXE 0R]ND	02=.$
6KD5.	6+$5.
6ZLPPLQJ 7HDP :DDVODQG	67:
7LHQVH 5HJLR 8QLWHG 6ZLPPL(	75867DP
:HVWHUOR 6ZLPPLQJ 7HDP	:67
=252 =ZHPWHDP	=252
=3& 'H 5RJ :HHUW	
=ZHPFOXE *HHO	=*((
=ZHPFOXE .DSHOOH 2 ' %RV	=&.
=ZHPFOXE 1LMOHQ	=1
=ZHPFOXE 7UHPHOR	=&7
=ZHPYHUHQLJLQJ /LHU	=9/
7RWDDO YHUHQLJLQJHQ	

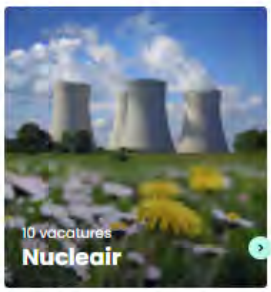
TORMANS

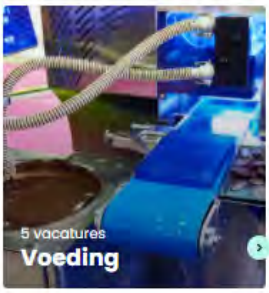
Our people, your success

Wij hebben vacatures voor **ingenieurs**, **technici** & **ondersteunend personeel** in alle sectoren









www.tormansgroup.be info@tormans.net

speedo

ALLSPORT

ZwemshopGeel
Speedo, Speedo en nog eens Speedo

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Geel

Je komt er, je blijft er

Geelse
SPORTRAAD

www.geel.be

=*((GDDJVH *HHO

3URJUDPPDQU +HUHQ P UXJVODJ MDDU HQ R P GRV KRPPHV 6WDUWOLMVW

:('675,-' 5(&25' (PR -HURPH %(/ *HHO

*HE

6HULH YDQ

-DFRE 4LQJNXQ	=9/	17
9ROGHUV $UQH	=9/	17
%HJXH 0LODQQ	02=.$	17
&ORVVHW &DVLPLU	%5$%2	17

6HULH YDQ

'H 9DOFN 7KLEDXOW	.67	17
6D]RQRY)HGRU	.67	17
9RV -XOHV	*=91	17
0HHXV (OLDV	%5$%2	17
-DQVVHQV 7LMV	=9/	17
&ORFNDHUWV 0DWKL	%5$%2	17

6HULH YDQ

:LOOHPV 5XEHQ	$=9	
0HUWHQV *HUEHQ	=9/	
$PD]LDQ 0RKDPPHG	%5$%2	
1DJKLX 3DWULFN	%5$%2	
'D 6LOYD &DPDUDWH	%5$%2	
2WWHYDHUH %HQMD LQ	%5$%2	

6HULH YDQ

*ULPPLDX[0DUWLQ	=252	
%KDWLD <DVK	=*((	
9DQ +RRI $UWKXU	=9/	
'HFDOXZp *HRUJHV	=&7	
9DQ 'H 9HLUH :DQQH	=&.	
'H %DFNHU 5REEH	=9/	

6HULH YDQ

:DHOSXW 7KRPDV	67:	
9RV 6HP	*=91	
9DQ *UXQGHUEHHFN D'	=&7	
.RNNHQ 6LPRQ	%5$%2	
+DQQHV 4XLQWHQ	$=9	
'LULFN[3HSLMQ	6+$5.	

6HULH YDQ

7K\V %MDUQH	67:	
%DXZHQV $URQ	=2/$	
1ROOHW 6HSSH	%5$%2	
9HUPHHUEHUJHQ .DF H(	02=.$	
6HOV 6HWK	=*((	
'HOVDHUGW %R\G	$=9	

*HE

6HULH YDQ

/DGHZLJ 6HWK	=2/$	17
'ROKDLQ (OL	=9/	17
9DQKDPHO <RQDV	=2/$	17
9DQ :DHOGHUHQ 7KR D\	:67	17
'H 6PHGW -HVVH	%5$%2	17
6OX\WV 7LEH	:67	17

6HULH YDQ

6KLUYLOO &DVSHU	%5$%2	
(O +DGGRXFKL +DUR Q	=2/$	
(QNKWXYVKLQ 6XPEH J	=2/$	
9HUYORHVVHP)ULW\	=&7	
.HNHo 6DPLU	=9/	
9DQ 'HQ %RVVFKH 0[VW	%5$%2	

6HULH YDQ

*\SHQ 7KRPDV	=&7	
-RQFNKHHUH -RSSH	=1	
6OX\WV -HQQH	:67	
+DXEHQ 7KRPDV	+=6	
9LG\DUWKL $U\DQ	=*((	
9DQ GDPPH (OLDV	%5$%2	

6HULH YDQ

0ROGHUV $[O	%(67	
9DQ GH 3RHO 1RDK	=&.	
0HHXV 'LGD	=*((	
/DPEUHFKWV ,DQ	=1	
.HLVHUV 7LER	$=9	
+XINHQV ,OLDQ	6+$5.	

6HULH YDQ

.HQHQV 6LPRQ	*=91	
2WWHYDHUH $OH[DQ HL	%5$%2	
%RH\NHQV 6WLMQ	.67	
'RRPHQ 0DUQL[	=9/	
*HHQV 'Up	=&7	
'H 0DHUWHODHUH 9L FH	=*((	

6HULH YDQ

'UX\WV -HURHQ	.67	
6HUJDQW :ROI	02=.$	
,QWKRI /DUV	*=91	
0DNERXOLDQ 7\URQ	67:	
7ULDQJOH /DUV	=252	
9DQ GH *HQGHU :RX\	67:	

3URJUDPPDQU +HUHQ P UXJVODJ 9RRUURQGH

6HULH YDQ

+DHVHQGRQFN[-DUC =*((/
'H %RGW 'DDQ %5$%2
9HUKDJHQ 5REEH 67:
(O %RXKGLGL $\PDQ 67:
5DYHOLQJLHQ 7LEH %5$%2
/DHUHPDQV 6HEDVW)D 6+$5.

6HULH YDQ

+H\OHQ 'DDQ .67
9DQWKRXUQRXW ;DQ HU=*((/
.QDHSNHQV 6LPRQ =1
6]HZNR $UWXU %5$%2
)LHUHQV -HQV =9/
3HOOLFFLRWWD /XF[=*((/

6HULH YDQ

5X\VHQ ,O *=91
+XINHQV ,EHQ 6+$5.
%RKPHU 7RELDV =&7
0DWKH\VVHQ 9LQ] %5$%2
+D[HOPDQV /XFD 6+$5.
0DUVLO\ *XVWDYH =252

6HULH YDQ

'H .HHUVPDHNHU $U\ KX %5$%2
+DXEHQ 6DQGHU +=6
)UDQFNHQ 7LHEH $=.
%RHWV 9LFWRU 02=.$
+DHVW -HOOH $=9
5DHV 'ULHV %(67

6HULH YDQ

1ROOHW 5REEH %5$%2
+ROODQGHUV -DUQH =1
9DQGHQEHUJK /DUV 02=.$
9DQ *LQQHNHQ :DUU $=.
9DQ *HHO 0DWV :67
'ULMYHUV -RKDQQHV %(67

6HULH YDQ

'H -RQJH 'ULHV 6+$5.
9DQ '\FN %UDP .67
%HUJHV -HQV +=$
9HUVFKXHUHQ 6LHE %5$%2
%RRQHQ)DELDQ %5$%2
.HQLV -RUHQ =*((/

6HULH YDQ

9DQ JHQHFKWHQ 6D(GH /48
9UDQFN[%MDUQH %(67
:\QV 6HSSH =1
%ODQNHUV *DHWDQ %5$%2
.DORJHURSRXORV =K)R %5$%2
:LOOHPV 'LHWHU $=9

6HULH YDQ

9HUPH\OHQ (PLHO +=$
0HOOHPDQV (JRQ 02=.$
9HUPHLU 9LNWRU *=91
&ORHV 6WHI %(67
9DQVWHHODQGW %U P =&.
0HQQHQ 5XEHQ %5$%2

6HULH YDQ

9DQ %DOODHU 9LNW U =*((/
9DQGHQEHUJK /DQGJ J 02=.$
*HHQV 7KLEDXW =&.
%LJJV .DOYLQ =252
/DPSR 2OLYLHU %5$%2
9DQGRRUHQ -XOHV *=91

6HULH YDQ

9DQ 7LOEXUJ 0DWWK D\=*((/
9DQ GH *HQGHU 1LO 67:
&DWU\ $UQH =&7
9DQ +RH\ %LOOLHW DH67:GHU
%URX[$OH[DQGHU *=91
0RRUV :DUUH =2/$

6HULH YDQ

/HPPHQV 0LOR $=9
/DHUHPDQV 3LHWHU 6+$5.
'H *UDYH 7KLEDXW .67
'ULHV .ODDV =*((/
+HE 4XLQWHQ 67:
9DQ GHQ (\QGH 9LN =&7

6HULH YDQ

6FKZHULQ $OH[DQGH 6+$5.
9DQ 'HQ %RVVFKH 6\ DQ %5$%2
9DQ (JRP :RXW +=$
(YHQV -RSSH *=91
&ODDVVHQ ,ODULR $=9
9DQ '\FN 1LFN .67

6HULH YDQ

+H\UPDQ 7LJR %5$%2
0DUWHQV 1RDK %5$%2
&DUFKRQ %UHFKW /48
'ULMYHUV 6HSSH %(67
9DQ 6RQ /DQGHU %5$%2
6QH\HUV /LDP =1

=*((GDDJVH *HHO

3URJUDPPDQU 'DPHV P VFKRROVODJ MDDU HQ R P EUDVVH GDPHV 6WDUWOLMVW

:('675,-' 5(&25' 9HUPH\OHQ -ROLHQ %(/ *HHO

*HE

6HULH YDQ

/LSRQRJD 0DMD	%5$%2	17
1LM]LHO)UpGpULTXH	=*((/	17
.RNNHQ 3DXOLHQ	%5$%2	17

6HULH YDQ

9DQ *HQHFKWHQ &DU)	:67	17
'H %RQGW .LP	=9/	17
%HJXH 0HOLVVD	02=.$	17
%RJDHUW .ODUD	=2/$	17
9DQGHUOLQGHQ 3DX LH	%(67	17
%HJXH 0L\D	02=.$	17

6HULH YDQ

*UHLMQ)HQQD		
.RUHQ =DUD	*=91	
7DOERRP /LHV	%5$%2	
0DUFHOLV)LHQ	6+$5.	
6WHIDQRYD *DEULHC)	=9/	
+H\OHQ -DGH	.67	

6HULH YDQ

9LVVHUV /RWWD	%5$%2	
$]]D 0DQDU	%5$%2	
'LHUFN[ )HPNH	6+$5.	
9DQ 5LOODHU <LQWH I	+=$	
'H %RR +HOJH	=9/	
6WHIDQRYD 6LOYLD	=9/	

6HULH YDQ

2OEUHFKWV /HQND	%5$%2	
7XH]QH\ .DWR	%(67	
0H\HU 7K\UYL	%(67	
*H\SHQ)LHQ	02=.$	
7KHZLVVHQ 0LUWKH	+=6	
3RHOV 1RPL	=*((/	

6HULH YDQ

*HEUXHUV /HQWKHO	=*((/	
6HQ <DVPLQH	%5$%2	
9DQ %DHOHQ <HQWK	02=.$	
8\WGHZLOOLJHQ .DW LH	$=.	
%RUJKV /RUH	=*((/	
9DQ :DHOGHUHQ 6DL K	:67	

*HE

6HULH YDQ

:\QDQWV)LHQ	=*((/	17
(O 2XIL $\D	%5$%2	17
%RHFN[3DXOLHQ	=*((/	17
/H\VHQ -XWWD	=*((/	17
/X\WHQ (OLVH	+=6	17

6HULH YDQ

*H\SHQ :LHV	02=.$	17
0HHUWHQV -HVV\	*=91	
-DVSHUV /LHQ	+=6	
6PHWV 0DUDP	.67	
9DQ 'H 0RVVHODHU (PL	%5$%2	
-DQVVHQV 6RHWNLQ	=252	17

6HULH YDQ

9DQ 5HHWK /LH]H	=9/	
/R\H] 0D[LQH	%5$%2	
-DFREV /RWWH	=9/	
9DQ %XJJHQKRXW ,V DQ	=1	
+DEUDNHQ $PEHU	*=91	
'H :LWWH /LHVO	75867	

6HULH YDQ

9DV (OLVDEHWK	+=$	
:RXWHUV 6WLHQ	=&7	
9DQ +HXJWHQ 0DULH	=1	
9HUGRRG 3LS	=9/	
/X\WHQ /RUH	+=6	
/HPEUHFKWV 6RSKLH	=9/	

6HULH YDQ

&ODHVVHQV (OOD /R LV	*=91	
0ROV 0HWWH	02=.$	
&RHVHPDQV $PLOLD	=*((/	
+XEHUODQG /RUH	=9/	
9DQGHU 0HHU $PEHL	+=6	
0DHV -XOLH	=*((/	

6HULH YDQ

9UROL[$Q 6RILH		
*HQEUXJJH eOpD	%5$%2	
6DKLQ 'HQH (OD	=*((/	
/HSDJH $PHOLH	%5$%2	
0HUWHQV)HPNH	6+$5.	
$P]RXU /LQD	%5$%2	

=*((GDDJVH *HHO

3URJUDPPDQU 'DPHV P VFKRROVODJ 9RRUURQGH

6HULH YDQ

/DXZDHUW 1LND	.67
'H 5LGGHU %HULW	=2/$
0LFKLHOVHQ 1RRU	$=9
9DQ 'H %RUQH $XNM	+=$
9DQ /DHWKHP =Rs	=*((
6FKHOHPDQV &KDU RW	=9H

6HULH YDQ

%RYHQ $[HOOH	6+$5.
&DPSIRUWV)LHQ	.67
9DQ :DHGHUHQ +DQ)H	:67
-DQVVHQV (OLVDEHW (	6+$5.
/X\WHQ -XOLH	$=.
'XUW 5HLQH	6+$5.

6HULH YDQ

-DFREV)LOLSSD	*=91
9DQKDHVHEURHFN 0L	JL=1
0RONHQV 'DULQH	6+$5.
8\WWHUKRHYHQ)OR	=&7
$HUQRXWV 5RRV	$=.
&DULHU 'LHXZNH	=&.

6HULH YDQ

'DHPDQV /\Q	=&.
*\SHQ .DDW	=&7
%RXTXHW (OLVH	%5$%2
-RQFNKHHUH 1HOOH	=1
2RPV 5RRV	=9/
0HUWHQV +HHQD	6+$5.

6HULH YDQ

-DQVVHQV %OXH	=1
&OHUERXW)LOOR	=&.
0HHUWV ;VDQG\	=1
:\QDQWV)ORRU	=*((
0RUHHOV 1LQD	$=.
6FKRHWHUV 0DDUL	=*((

6HULH YDQ

6SUDQJHUV .DWR	02=.$
9DQ '\FN /LVH	.67
/H\WHQ /LHVHORW	=*((
%LHULQFN[/LHQQH	=1
9DQ %HOLQJHQ /RV VH	02=.$
.R]XO\D 0LOD	*=91

6HULH YDQ

*HHQV :HQNH	$=.
' +RRJKH .DWLD	%5$%2
)DWLK $\D	%5$%2
9HUKXOVW /RWWH	67:
'HYHFL $]UD	*=91
0DUDVFR 0RLUD	*=91

6HULH YDQ

/RPDQV $ODLQH	*=91
'HOSRUWH /RWWH	67:
9HUHOVW /DXUD	=&7
&RQWDQ 5DLVD	.67
9HUKH\GHQ 1RDK	02=.$
*RRU 9DQ GHQ $QRX	

6HULH YDQ

6HUJDQW .ODUD	02=.$
9DQ /DDUKRYHQ $OH VL	%5$%2
%RH\NHQV (PPD	.67
8QLRQ 0DUJRW	=252
'ULHV 6LHQ	=*((
7HPPHUPDQ (O\QQH	%5$%2

6HULH YDQ

9HUVWUHSHQ 5HQpH	6+$5.
=HNUL 1LVULQH	%5$%2
9HOGKXLV 9LFWRULL	=&7
6FKHSHUV 0LUWKH	*=91
*LMVHOV 1RRUWMH	6+$5.
9LQJHUKRHWV 0DGH LH	=1

6HULH YDQ

0HHUWHQV -RG\	*=91
%HFNHUV 0DQRQ	%(67
2RPV 6DUL	=*((
$EDUFD 0DUH	.67
%HHUVPDQV <HQWO	%5$%2
*DEULsOV 6DUDK	%5$%2

6HULH YDQ

9HUVSHFKW /L]DQQH	=&.
9HUELVW)ORUH	=1
0HHXV)HEH	=*((
9HUYORHVVHP 6LVNL	=&7
9DQ /RQ 7HVV	$=.
2S GH %HHFN (OO\	%5$%2

6HULH YDQ

/X\WHQ +DQQH	$=.
&ORHV /HQD	%(67
.HQQLV 1DWKDOLH	$=9
'H %UDEDQGHU &ODL H	67:
0DULsQ)ORUH	=1
'D 6LOYD &DPDUDWH LC	%5$%2

6HULH YDQ

/DJH\ /LVHORWWH	=*((
9DQ 'HQ :\QJDHUW $ QD	%5$%2
:RXWHUV /LH]H	6+$5.
9DQ '\FN /LQH	+=$
=XVWHU]HHO)HQQD	
1LM]LHO 1RYD	=*((

=*((GDDJVH *HHO

3URJUDPPDQU 'DPHV P VFKRROVODJ 9RRUURQGH

6HULH YDQ

.RQLQJV <OYD	*=91
+X\V -RULQGH	*=91
9HUVWUHSHQ 6LHO	*=91
9HUGRQFN)OHXU	=*((
5RPRQW /LHQ	+=$
1LM]LHO 0D[LQH	=*((

6HULH YDQ

&ODDVVHQ $OHVVLD	$=9
'LOOHQ 1RUDK	=*((
)H\HQ &KDUORWWH	%5$%2
/H\WHQ +DQQHORUH	=*((
3HHWHUV (YD	6+$5.
9DQFDXZHQEHUJK &K)U	%(67

6HULH YDQ

-RULVVHQ +DQQH	*=91
6WUX\I /LHVHORW	+=$
9HUPHLUHQ)OHXU	%5$%2
9DQ 6SH\EURHFN %R	=252
&DHV 2RQH	=&7
5H\QLHUV /LVH	67:

3URJUDPPDQU +HUHQ P YOLQGHUVODJ MDDU HQ R P SDSLOORQ KRPPHV 6WDUWOLMVW

:('675,-' 5(&25' 6XUJHORRVH *OHQQ %((*HHO

*HE

6HULH YDQ

1DHJHOV (OL	=2/$	17
9DQGHQEHUJK /DQGł J	02=.$	17
9HUGRQFN 0DULXV	=2/$	17

6HULH YDQ

'HFOHUFT 0LFN	%5$%2
*HHQV :DUUH	$=.
7ULDQJOH /DUV	=252
9DQ /RRQ :LHV	$=.
:RXWHUV 6WRUP	02=.$
%DN[:DUUH	=&.

6HULH YDQ

)ORUXV :LOOHP	6+$5.
%DN[6HQQH	=&.
%HUWHOV 4XLOODQ	6+$5.
5DYHOLQJLHQ 7LEH	%5$%2
'H .RQLQJ 5XEHQ	%5$%2
6HUJDQW :ROI	02=.$

6HULH YDQ

9HUPHLU 9LNWRU	*=91
6]HZNR $UWXU	%5$%2
%HHFNPDQV)HUUH	02=.$
3HOJULPV /RZLH	=&7
0LFKRHO 4XLQWHQ	=*((
9DQ GHU %RUJKW)O UL	=&7

*HE

6HULH YDQ

9DQ GHQ (\QGH :RXW	:67	17
5DHV 'ULHV	%(67	
0HQQHQ 5XEHQ	%5$%2	17
%HWWHQV /XFDV	=2/$	17

6HULH YDQ

+XINHQV ,OLDQ	6+$5.
&X\SHUV $UQDXG	*=91
2WWHYDHUH $OH[DQ HL	%5$%2
3HHWHUV 7LMV	%5$%2
9HUELVW %HQMDPLQ	67:
6ODHWV &pGULF	=&7

6HULH YDQ

+XINHQV ,EHQ	6+$5.
'H 0DHUVFKDOFN %L O	=&.
3DXZHOV 6DQGHU	75867
+X\JHQV $UQH	02=.$
'XUW $UWKXU	6+$5.
/DHUHPDQV 6LPRQ	6+$5.

6HULH YDQ

1LMVNHQV .DUHO	%5$%2
9DQGHQEHUJK /DUV	02=.$
5X\VHQ ,O	*=91
1HOLV 0LFKLHO	6+$5.
9DQVWHHODQGW %U P	=&.
9DQGRRUHQ -XOHV	*=91

=*((GDDJVH *HHO

3URJUDPPDQU +HUHQ P YOLQGHUVODJ 9RRUURQGH

6HULH YDQ

)UDQFNHQ 7LHEH	$=.
*RHWKDOV 9LQFH	67:
0RRUWJDW :RXW	=&.
9DQ 5HPRRUWHUH -D	'S67:
9DQ *LQQHNHQ :DUU	$=.
*KLMVHQ 0DWHR	:67

6HULH YDQ

&ORHV 6WHI	%(67
/LHFNHQV 1RODQ	=1
9HUGRQFN %UHFKW	=*((
+DXEHQ 6DQGHU	+=6
(O .DVPL 0RKDPHG	%5$%2
%DN[-DQQHV	=&.

6HULH YDQ

'H *UDXZH $UQH	67:
2RPV -RQDK	=*((
9HUELVW 6WLMQ	67:
+D[HOPDQV /XFD	6+$5.
/DHUHPDQV 3LHWHU	6+$5.
9HUUHHW 0LODQ	=1

6HULH YDQ

/DHUHPDQV 0LFKLHO	6+$5.
(YHQV -RSSH	*=91
%UDFNH (UQR	%5$%2
:LOOHPV 'LHWHU	$=9
2UEDQ 2OLYLHU	67:
+HUHPDQV 1LQR	+=$

6HULH YDQ

*LOOLV ;DQGHU	=&.
6HUYHULXV -RUGL	0(*$
'HFRVVDX[9DOHQWL	/48
+RUHPDQV 5XEHQ	=1
/HLUV %DYR	+=$
.DORJHURSRXORV =H	)R %5$%2

6HULH YDQ

:RXWHUV -RUGL	6+$5.
/HSHUV 5RELQ	%(67
0HHXV (OLDV	%5$%2
0DUWHQV 1RDK	%5$%2
-DQVVHQV 5HQ]R	%5$%2
&ODDVVHQ ,ODULR	$=9

6HULH YDQ

)ORUXV %HUQH	6+$5.
7KLMV 7KRPDV	=*((
'H 6PHGW -HVVH	%5$%2
*HXHQV /DUV	/48
9DQKRYH 0D[LPH	=*((
5DHV 6HQQH	%5$%2

3URJUDPPDQU 'DPHV P YULMH VODJ MDDU HQ R
P QDJH OLEUH GDPHV 6WDUWOLMVW

:('675,-' 5(&25' %X\V .LPEHUO\ %(/ *HHO

*HE

6HULH YDQ

/H\VHQ -XWWD	=*((	17
/HSDJH $PHOLH	%5$%2	17
0ROV 0HWWH	02=.$	17
%RHFN[3DXOLHQ	=*((	17
(O 2XIL $\D	%5$%2	17
6PHWV 0DUDP	.67	17

6HULH YDQ

:RXWHUV 6WLHQ	=&7	
9DQ %XJJHQKRXW ,V	DQ=1	
9DQ 'H %RUQH $XNM	+=$	
9DQGHU 0HHU $PEHL	+=6	
+H\OHQ -DGH	.67	
%HJXH 0HOLVVD	02=.$	17

*HE

6HULH YDQ

%DODML <RXVUD	%5$%2	17
9DHV (OLVDEHWK	+=$	17
/X\WHQ /RUH	+=6	17
%HJXH 0L\D	02=.$	17
.RNNHQ 3DXOLHQ	%5$%2	17
/X\WHQ (OLVH	+=6	17

6HULH YDQ

9DQ 'H 0RVVHODHU (	PL%5$%2
9DQKDHVHEURHFN 0I	JL=1(OLQH
&ODHVVHQV (OOD /R	LV*=91
6WHIDQRYD 6LOYLD	=9/
9DQ 5HHWK /LH]H	=9/
0HHUWHQV -HVV\	*=91

ZZZ]JHHO EH

=*((GDDJVH *HHO

3URJUDPPDQU 'DPHV P YULMH VODJ 9RRUURQGH

6HULH YDQ

6WHIDQRYD *DEULHC	=9/
/LSRQRJD 0DMD	%5$%2
*H\SHQ :LHV	02=.$
:RXWHUV 6\ND	+=$
/HPEUHFKWV 6RSKLH	=9/
9HUHOVW /DXUD	=&7

6HULH YDQ

%RH\NHQV (PPD	.67
'LHUFN[ )HPNH	6+$5.
9DQ *LQQHNHQ 0DUL	$=.
1LM]LHO)UpGpULTXH	=*((
0DHV -XOLH	=*((
&RUWKRXW 0LUWH	+=$

6HULH YDQ

9UROL[$Q 6RILH	
6FKHOHHPDQV &KDU RW	=9H
0HUWHQV)HPNH	6+$5.
'XUW 5HLQH	6+$5.
*HQEUXJJH eOpD	%5$%2
9HUGRRG 3LS	=9/

6HULH YDQ

/X\WHQ -XOLH	$=.
9DQ %DHOHQ <HQWK	02=.$
9DQ /DHWKHP =Rs	=*((
'H %RR +HOJH	=9/
9HUKH\GHQ 1RDK	02=.$
2OEUHFKWV /HQND	%5$%2

6HULH YDQ

&RQWDQ 5DLVD	.67
9HUYRRUW -XOLH	=2/$
9DQ :DHOGHUHQ +DQ)H	:67
&KDQ &KULVW\	+=$
&DUOLHU 'LHXZNH	=&.
%RUJKV /RUH	=*((

6HULH YDQ

6HUJDQW .ODUD	02=.$
%HOOLQN[-DQQH	%5$%2
-DFREV /RWWH	=9/
8\WGHZLOOLJHQ .DW LH	$=.
%RYHQ $[HOOH	6+$5.
'D 6LOYD &DPDUDWH LC	%5$%2

6HULH YDQ

9HUYORHVVHP 6LVNI	=&7
2RPV 5RRV	=9/
-DFREV)LOLSSD	*=91
9DQ :DHOGHUHQ 1HC	:67
$HUQRXWV 5RRV	$=.
7DOERRP /LHV	%5$%2

6HULH YDQ

:\QDQWV)LHQ	=*((
'H %RQGW .LP	=9/
%HOOHQV /RUH	6+$5.
.RUHQ =DUD	*=91
9DQ :DHOGHUHQ 6DL K	:67
+DEUDNHQ $PEHU	*=91

6HULH YDQ

9DQ +HXJWHQ 0DULH	=1
7HPPHUPDQ (O\QQH	%5$%2
8\WWHUKRHYHQ)OR	=&7
6DKLQ 'HQH (OD	=*((
9DQ *HQHFKWHQ &DL)	:67
/R\H] 0D[LQH	%5$%2

6HULH YDQ

6HQ <DVPLQH	%5$%2
*H\SHQ)LHQ	02=.$
*HEUXHUV /HQWKHO	=*((
$]]D 0DQDU	%5$%2
&DPSIRUWV)LHQ	.67
,ZHQV /RWWH	%5$%2

6HULH YDQ

%RKPHU -DQQH	=&7
9LVVHUV /RWWD	%5$%2
3RHOV 1RPL	=*((
9ULQGWV <WH	%(67
8QLRQ 0DUJRW	=252
+XEHUODQG /RUH	=9/

6HULH YDQ

9HUVSHFKW /L]DQQH	=&.
/RPDQV $OLQH	*=91
'HOSRUWH /RWWH	67:
*\SHQ .DDW	=&7
9HOGKXLV 9LFWRULL	=&7
0LFKLHOVHQ 1RRU	$=9

6HULH YDQ

&X\SHUV /LQQH	*=91
/DXZDHUW 1LND	.67
=HNUL 1LVULQH	%5$%2
-RQFNKHHUH 1HOOH	=1
9DQ (VSHQ /RWWH	+=$
0HHXV)HEH	=*((

6HULH YDQ

7KLMVEDHUW 6WHUU	=1
'HVFDPSV $GpODwGH	75867
*HQV :HQNH	$=.
'HPHGWV $QQD /RXL' H	75867
'HZ\Q &KORp	=&7
*HQV $PpOLH	=&.

=*((GDDJVH *HHO

3URJUDPPDQU 'DPHV P YULMH VODJ 9RRUURQGH

6HULH YDQ

9DQ 'HQ %URHFN .DL	)LI6+$5.
0RONHQV 'DUOLQH	6+$5.
&RUWKRXW)HEH	+=$
&RHVHPDQV $PLOLD	=*((/
9DQ 'H 9HQ 1DREL	6+$5.
$P]RXU /LQD	%5$%2

6HULH YDQ

9HUVWUHSHQ 5HQpH	6+$5.
$EDUFD 0DUH	.67
%LHULQFN[/LHQQH	=1
$HUQRXWV 0DDUWMH	$=.
%HFNHUV 0DQRQ	%(67
6FKRHWHUV 0DDUL	=*((/

6HULH YDQ

&OHUERXW)LOOR	=&.
9UDQNHQ 5KXQH	=1
9LQJHUKRHWV 0DGH	LH=1
-DQVVHQV %OXH	=1
1HHIV (PPD	75867
+X\VPDQV 6LONH	=&.

6HULH YDQ

&ORHV /HQD	%(67
'H %UDEDQGHU &ODL	H 67:
%RXTXHW (OLVH	%5$%2
*LMVHOV 1RRUWMH	6+$5.
2RPV 6DUL	=*((/
(O %RXKGLGL $ODH	67:

6HULH YDQ

0DUDVFR 0RLUD	*=91
6FKHSHUV 0LUWKH	*=91
:RXWHUV /LH]H	6+$5.
'DOHPDQV /\Q	=&.
0HHUWV ;VDQG\	=1
-DQVVHQV 6RHWNLQ	=252

6HULH YDQ

1LM]LHO 1RYD	=*((/
3HHWHUV 0DUWH	%5$%2
'HVFDPSV (OHRQRUH	75867
/H\WHQ +DQQHORUH	=*((/
'H :HHUGW $PpOLH	=&7
9UDQNHQ 'DJPDU	=1

6HULH YDQ

1LM]LHO 0D[LQH	=*((/
/LSSHQV .DUR	67:
9DQ 'HQ :\QJHUW $	QD%5$%2
.RQLQJV <OYD	*=91
9HUVWUHSHQ 6LHO	*=91
9DQ /RR\ -HOVNH	=&7

6HULH YDQ

/H\WHQ /LHVHORW	=*((/
'HYHFL $]UD	*=91
0H\HU 7K\UYL	%(67
'HOLHQ)ORRU	=1
9DQ /DDUKRYHQ $OH	VL%5$%2
7HEHODNLV 0HOLQD	=&.

6HULH YDQ

0HUWHQV +HOHQD	6+$5.
'ULHV 6LHQ	=*((/
.R]XO\D 0LOD	*=91
/X\WHQ +DQQH	$=.
0LFKLHOVHQ -LQWKH	$=.
9HUELVW)ORUH	=1

6HULH YDQ

%HHUVPDQV <HQWO	%5$%2
:\QDQWV)ORRU	=*((/
-RULVVHQ +DQQH	*=91
'LOOHQ 1RUDK	=*((/
9DQ /RQ 7HVV	$=.
9DQFDXZHQEHUJK &H	)U %(67

6HULH YDQ

&DV 2RQH	=&7
2JDVDZDUD ,PDQL	%5$%2
&HXOHPDQV +DQQH	$=.
.HQQHV 1DRPL	=&.
0RUHHOV 1LQD	$=.
%HKDHJKHO -DQQH	=&7

6HULH YDQ

6SUDQJHUV .DWR	02=.$
9DQ +DYHQEHUJK /LH /	$=.
$ULMV <DQD	+=$
$QWKRQL $PHOLH	%5$%2
*DEULsOV 6DUDK	%5$%2
5H\QLHUV /LVH	67:

6HULH YDQ

*RRYDHUWV (OOHQ	67:
0DULsQ)ORUH	=1
/RQFNH)HEH	=&.
$XJXVWLMQV -LOO	=1
'H 0DHUVFKDOFN (O( )	=&.
'DQKLHX[/LHQD	=252

6HULH YDQ

+X\V -RULQGH	*=91
&RUQHOLVVHQ $QDL	%5$%2
9DQ GHQ %URHFN =L 'D	=&7
3HHWHUV (YD	6+$5.
9DQ '\FN /LVH	.67
0DUWHOHXU <HONH	=&7

=*((GDDJVH
*HHO

3URJUDPPDQU 'DPHV P YULMH VODJ 9RRUURQGH

6HULH YDQ

.HQQLV 1DWKDOLH	$=9
)H\HQ &KDUORWWH	%5$%2
9HUPHLUHQ)OHXU	%5$%2
'HZDHOKH\QV 1LHQH	75867
7URS <DQD	=1
9DQ %HOOLQJHQ /RV	VH02=.$

6HULH YDQ

&ODDVVHQ $OHVVLD	$=9
'DYLG $wFKD	/48
5DYHOLQJLHQ /DQD	%5$%2
0DHUHYRHW 0DULH	=1
&RUQHOLVVHQ =LWD	%5$%2
9DQ GHQ (\QGH %UL\ W	=&7

6HULH YDQ

9DQ *RS &DUROLQH	$=9
:DXWHUV /DXUD	%5$%2
9HUGRQFN)OHXU	=*((
:RXWHUV %ULDQD	+=$
*RLV 0LUWKH	0(*$
9DQ 6SH\EURHFN %R	=252

3URJUDPPDQU +HUHQ P ZLVVHOVODJ MDDU HQ R
P QDJHV KRPPHV 6WDUWOLMVW

:('675,-' 5(&25' 6XUJHORRVH *OHQQ %(/ *HHO

*HE

6HULH YDQ

5DYHOLQJLHQ 7LEH	%5$%2	17
(O +DGGRXFKL +DUR Q	=2/$	17
&ORFNDHUWV 0DWKL	%5$%2	17

6HULH YDQ

0HQQHQ 5XEHQ	%5$%2	17
'H 9DOFN 7KLEDXOW	.67	17
%HJXH 0LODQQ	02=.$	17
6OX\WV 7LEH	:67	17
9DQ 'HQ %RVVFKH 0[	VW%5$%2	17
-DQVVHQ 7LER		17

6HULH YDQ

9RV -XOHV	*=91	17
0DUWHQV 1RDK	%5$%2	17
6FKHLSHUV 6LHEH	$=.	17
*HHQV 'Up	=&7	17
'H .RQLQJ 5XEHQ	%5$%2	17
/DGHZLJ 6HWK	=2/$	17

6HULH YDQ

*\SHQ 7KRPDV	=&7	
1DJKLX 3DWULFN	%5$%2	
+DXEHQ 7KRPDV	+=6	
-DFRE 4LQJNXQ	=9/	
$PD]LDQ 0RKDPPHG	%5$%2	
2WWHYDHUH %HQMD LQ	%5$%2	17

*HE

6HULH YDQ

'HFRVVDX[9DOHQWL	/48	17
:DHOSXW 7KRPDV	67:	17
9HUGRQFN 0DULXV	=2/$	17
9HUKDJHQ 5REEH	67:	17
9ROGHUV %R	%5$%2	17

6HULH YDQ

%HWWHQV /XFDV	=2/$	17
2SGHQEHUJK 0HUOL\ Q	%5$%2	17
(QNKWXYVKLQ 6XPE\ U	=2/$	17
7KLMV 7KRPDV	=*((	17
)LHUHQV -HQV	=9/	17
'HFDOXZp *HRUJHV	=&7	17

6HULH YDQ

'HOVDHUGW %R\G	$=9	17
9DQ *UXQGHUEHHFN ›D'	=&7	17
9HUPHLU 9LNWRU	*=91	17
.DORJHURSRXORV =Ł)R	%5$%2	17
.HLVHUV 7LER	$=9	17
:LOOHPV 5XEHQ	$=9	17

6HULH YDQ

-DQVVHQV 7LMV	=9/
'H %DFNHU 5REEH	=9/
6KLUYLOO &DVSHU	%5$%2
%DN[:DUUH	=&.
'LULFN[3HSLMQ	6+$5.
'ROKDLQ (OL	=9/

ZZZ]JHHO EH

=*((GDDJVH *HHO

3URJUDPPDQU +HUHQ P ZLVVHOVODJ 9RRUURQGH

6HULH YDQ

'D 6LOYD &DPDUDWH %5$%2
9DQ 5HPRRUWHUH -D 67:
:RXWHUV 6WRUP 02=.$
'H 0DHUWHODHUH 9L =*((/
0LFKLHOVHQ %HQW $=.
9DQ *LQQHNHQ .DPL $=.

6HULH YDQ

.HUFNKRIV .REH =1
9DQ +RRI $UWKXU =9/
3LOODUGV :DUG %(67
+DQQHV 4XLQWHQ $=9
/DHUHPDQV 6LPRQ 6+$5.
%HHUVPDQV 7KLEHD %5$%2

6HULH YDQ

+XINHQV ,OLDQ 6+$5.
9LG\DUWKL $U\DQ =*((/
,QWKRI /DUV *=91
+XINHQV ,EHQ 6+$5.
)ORUXV :LOOHP 6+$5.
.HNHo 6DPLU =9/

6HULH YDQ

0DNERXOLDQ 7\URQ 67:
-RLVVHQ 5XEH *=91
1ROOHW 6HSSH %5$%2
/HLUV (GZDUG +=$
%RWWRQH /RUHQ]R +=6
*HHQV 7KLEDXW =&.

6HULH YDQ

6D]RQRY)HGRU .67
1ROOHW 5REEH %5$%2
/DPEUHFKWV ,DQ =1
9DQ GH *HQGHU :RY 67:
9DQ GH 3RHO 1RDK =&.
9HUYORHVVHP)ULW\ =&7

6HULH YDQ

9DQ %DOODHU 9LNW U =*((/
/DPSR 2OLYLHU %5$%2
0DWKH\VVHQ 9LQ] %5$%2
%URX[$OH[DQGHU *=91
%DN[6HQQH =&.
9DQ 'HQ %RVVFKH 6\ DQ %5$%2

6HULH YDQ

9DQGRRUHQ -XOHV *=91
0ROGHUV $[O %(67
9DQ *HHO 0DWV :67
7K\V %MDUQH 67:
)ORUXV %HUQH 6+$5.
9DQKDPHO <RQDV =2/$

6HULH YDQ

-RULVVHQ 4XLQWHQ $=.
&ORVVHW &DVLPLU %5$%2
6OX\WV -HQQH :67
0HUWHQV *HUHQ =9/
-RQFNHHUH -RSSH =1
9ROGHUV $UQH =9/

6HULH YDQ

+H\OHQ 'DQ .67
'HFOHUFT 0LFN %5$%2
%RKPHU 7RELDV =&7
0HHXV 'LGD =*((/
'RRPHQ 0DUQL[=9/
*ULPPLDX[0DUWLQ =252

6HULH YDQ

3HOOLFFLRWWD /XFL =*((/
9RV 6HP *=91
&DWU\ $UQH =&7
%KDWLD <DVK =*((/
+DHVHQGRQFN[-DUQ =*((/
&X\SHUV $UQDXG *=91

6HULH YDQ

.HQHQV 6LPRQ *=91
9HUPHHUEHUJHQ .DF H(02=.$
0RRUWJDW :RXW =&.
.RNNHQ 6LPRQ %5$%2
6HOV 6HWK =*((/
'H 0DHUVFKDOFN %L O =&.

6HULH YDQ

9DQ GH *HQGHU 1LO 67:
/DHUHPDQV 6HEDVWL)D 6+$5.
6HUJDQW :RO 02=.$
0LFKRHO 4XLQWHQ =*((/
6FKHHUV 3LHWHU =&7
%RH\NHQV 6WLMQ .67

6HULH YDQ

'XUW $UWKXU 6+$5.
1LMVNHQV .DUHO %5$%2
5X\VHQ ,O *=91
9HUPH\OHQ (PLHO +=$
/HLUV /RGH +=$
9DQ 7LOEXUJ 0DWWK D\ =*((/

6HULH YDQ

+X\JHQV $UQH 02=.$
9DQ GHQ (\QGH :RW :67
6]HZNR $UWXU %5$%2
%DN[-DQQHV =&.
9HUELVW %HQMDPLQ 67:
'H %RGW 'DQ %5$%2

=*((GDDJVH *HHO

3URJUDPPDQU +HUHQ P ZLVVHOVODJ 9RRUURQGH

6HULH YDQ

$XJXVWLMQV 6DP	=1
9HUGRQFN %UHFKW	=*((
'UX\WV -HURHQ	.67
'H .RQLQFN 3LHWHU	ƆQ=2/$
(O %RXKGLGL $\PDQ	67:
+ROODQGHUV -DUQH	=1

6HULH YDQ

0HOOHPDQV (JRQ	02=.$
0RRUV :DUUH	=2/$
6QH\HUV /LDP	=1
%LJJV .DOYLQ	=252
6FKZHULQ $OH[DQGH	6+$5.
9DQWKRXUQRXW ;DQ	HU=*((

6HULH YDQ

*LOOLV ;DQGHU	=&.
1HOLV 0LFKLHO	6+$5.
0DUVLO\ *XVWDYH	=252
'H *UDYH 7KLEDXOW	.67
(O .DVPL 0RKDPHG	%5$%2
9DQ JHQHFKWHQ 6D(	ƷH/48

6HULH YDQ

&ODDVVHQ ,ODULR	$=9
.HQLV -RUHQ	=*((
9DQ '\FN 1LFN	.67
9DQKRYH 0D[LPH	=*((
/HLUV %DYR	+=$
:RXWHUV &DV	%5$%2

6HULH YDQ

'H -RQJH 'ULHV	6+$5.
+H\UPDQ 7LJR	%5$%2
0HHXV (OLDV	%5$%2
%HUJHV -HQV	+=$
9HUYORHW 5XZHQ	%5$%2
'ULMYHUV 6HSSH	%(67

6HULH YDQ

+HEE 4XLQWHQ	67:
'ULHV .ODDV	=*((
/DHUHPDQV 0LFKLHO	6+$5.
3HHWHUV 7LMV	%5$%2
*RHWKDOV 9LQFH	67:
%HHFNPDQV)HUUH	02=.$

6HULH YDQ

+DHVW -HOOH	$=9
:LOOHPV 'LHWHU	$=9
9DQ (JGRP :RXW	+=$
'H .HHUVPDHNHU $U\	KX%5$%2
' +RQGW &RQQRU	6+$5.
9DQ +RH\ %LOOLHW	ƆH67:GHU

6HULH YDQ

/HPPHQV 0LOR	$=9
'ULMYHUV -RKDQQHV	%(67
%RHWV 9LFWRU	02=.$
2RPV -RQDK	=*((
'H *UDXZH $UQH	67:
(YHQV -RSSH	*=91

6HULH YDQ

%RRQHQ)DELDQ	%5$%2
9DQ '\FN %UDP	.67
'H 6PHGW -HVVH	%5$%2
9UDQFN[%MDUQH	%(67
6HUYHULXV -RUGL	0(*$
2UEDQ 2OLYLHU	67:

6HULH YDQ

6QH\HUV .REH	=1
%ODQNHUV *DHWDQ	%5$%2
:\QV 6HSSH	=1
-DQVVHQV 5HQ]R	%5$%2
/HSHUV 5RELQ	%(67
9HUELVW 6WLMQ	67:

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,QVFKULMI VWDWLVWLHNHQ YDQ SURJUDP

9HUHQLJLQJ	DIN GHSR\=ZHPPHUV ,QGLYLGXHOH (VWDIHWWHV +HUI'DPH\7RWDL+HUI'DPH\7RWDL+HUI'DPH\7RWDDO
$UHQGRQNVH =ZHPYHUHQLJLQJ	$=9
$]N	$=.
%UDEDQW (DVW 6ZLPPLQJ 7HDP	%(67
%UDER =ZHPFOXE $QWZHUSHQ	%5$%2
*HQNHU =ZHPYHUHQLJLQJ 1HSW	*=91V
+HLVWVH =ZHPFOXE $UGXDV	+=$
.HPSLVFK 6ZLPPLQJ 7HDP	.67
+]V	+=6
.RQLQNOLMNH =ZHPFOXE 2O\PS	=2/$QW IUS IQ
/HXYHQ $TXDWLFV	/48
0(*$]ZHPWHDP	0(*$
0ROVH =ZHPFOXE 0R]ND	02=.$
6KD5.	6+$5.
6ZLPPLQJ 7HDP :DDVODQG	67:
7LHQVH 5HJLR 8QLWHG 6ZLPPL(	75867DP
:HVWHUOR 6ZLPPLQJ 7HDP	:67
=252 =ZHPWHDP	=252
=3& 'H 5RJ :HHUW	
=ZHPFOXE *HHO	=*((/
=ZHPFOXE .DSHOOH 2 ' %RV	=&.
=ZHPFOXE 1LMOHQ	=1
=ZHPFOXE 7UHPHOR	=&7
=ZHPYHUHQLJLQJ /LHU	=9/
7RWDDO YHUHQLJLQJHQ	

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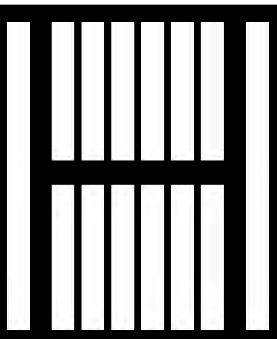

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*HHO

3URJUDPPDQU 'DPHV P YOLQGHUVODJ MDDU HQ R
P SDSLOORQ GDPPHV 6WDUWOLMVW

:('675,-' 5(&25' %X\V .LPEHUO\ %(/ *HHO

*HE

6HULH YDQ

0HUWHQV)HPNH	6+$5.	17
.RUHQ =DUD	*=91	17
%RXTXHW (OLVH	%5$%2	17
*HYHUV /HRQLH	%(67	17
%D\JXQHV 'HIQH	02=.$	17
*H\SHQ)LHQ	02=.$	17

6HULH YDQ

0DUFHOLV)LHQ	6+$5.	17
&RUWKRXW 0LUWH	+=$	17
9HUYRRUW -XOLH	=2/$	17
0HHUWHQV -HVV\	*=91	17
1LM]LHO)UpGpULTXH	=*((	17
7KHZLVVHQ 0LUWKH	+=6	17

6HULH YDQ

6WHIDQRYD *DEULHC	=9/	
6WHIDQRYD 6LOYLD	=9/	
9DQ 5HHWK /LH]H	=9/	
9DQKDHVHEURHFN 0L	JL=1(OLQH	
9HUKH\GHQ 1RDK	02=.$	
*H\SHQ :LHV	02=.$	17

6HULH YDQ

&DPSIRUWV)LHQ	.67	
'LHUFN[ )HPNH	6+$5.	
6HUJDQW .ODUD	02=.$	
/HPEUHFKWV 6RSKLH	=9/	
:\QDQWV)LHQ	=*((	
6FKHOOHPDQV &KDU RW	=9H	

6HULH YDQ

6HQ <DVPLQH	%5$%2	
'H %RQGW .LP	=9/	
*HQEUXJJH eOpD	%5$%2	
9DQ /DHWKHP =Rs	=*((	
*HEUXHUV /HQWKHO	=*((	
-DSHUV /LHQ	+=6	

6HULH YDQ

'HZ\Q &KORp	=&7	
3RHOV 1RPL	=*((	
'H %UDEDQGHU &ODL	H 67:	
%RKPHU -DQQH	=&7	
9DQ :DHOGHUHQ +DQ	)H :67	
9ULQGWV <WH	%(67	

*HE

6HULH YDQ

9DQ +HXJWHQ 0DULH	=1	17
0ROV 0HWWH	02=.$	17
9DQGHUOLQGHQ 3DX LH	%(67	17
.HPSV (OL]H	02=.$	17
7XH]QH\ .DWR	%(67	17
:RXWHUV 6WLHQ	=&7	17

6HULH YDQ

0DHV -XOLH	=*((	17
%RHFN[3DXOLHQ	=*((	17
9DQ 5LOODHU <LQWK	I +=$	17
&ODHVVHQV (OOD /R LV	*=91	17
/H\VHQ -XWWD	=*((	17
+X\EUHFKWV /RWWD	%(67	17

6HULH YDQ

6DKLQ 'HQH (OD	=*((	
/HSDJH $PHOLH	%5$%2	
$]]D 0DQDU	%5$%2	
,ZHQV /RWWH	%5$%2	
+DEUDNHQ $PEHU	*=91	
%RH\NHQV (PPD	.67	

6HULH YDQ

&RQWDQ 5DLVD	.67	
(UWYHOGW .ODDUWM	I 6+$5.	
'H %RR +HOJH	=9/	
*RRU 9DQ GHQ $QRX		
'H %RFN 0DULH	+=$	
9DQ %DHOHQ <HQWK	02=.$	

6HULH YDQ

9HUGRRG 3LS	=9/	
2OEUHFKWV /HQND	%5$%2	
7DOERRP /LHV	%5$%2	
9HUYORHVVHP 6LVNI	=&7	
9HUHOVW /DXUD	=&7	
%RUJKV /RH	=*((	

6HULH YDQ

*UHLMQ)HQQD		
9LVVHUV /RWWD	%5$%2	
-DFREV)LOLSSD	*=91	
%HOOLQN[-DQQH	%5$%2	
/H\WHQ /LHVHORW	=*((	
/X\WHQ -XOLH	$=.	

=*((GDDJVH *HHO

3URJUDPPDQU 'DPHV P YOLQGHUVODJ 9RRUURQGH

6HULH YDQ

%HKDHJKHO -DQQH	=&7
6HOV 6RILH	=1
&RHVHPDQV $PLOLD	=*((/
9HUVSHFKW /L]DQQH	=&.
9DQGHSXWWH (HEH	%(67
-DQVVHQV %OXH	=1

6HULH YDQ

/LHNHQV /LQGVD\	+=$
=HNUL 1LVULQH	%5$%2
:LMFNPDQV /HQH	+=$
-RQFNKHHUH 1HOOH	=1
'D 6LOYD &DPDUDWH LC	%5$%2
'HPHGWV $QQD /RXL' H	75867

6HULH YDQ

-DFREV /RWWH	=9/
0LFKLHOVHQ 1RRU	$=9
'H 5LGGHU 1LREH	%5$%2
0HUWHQV +HOHQD	6+$5.
/DXZDHUW 1LND	.67
'H 5LGGHU %HULW	=2/$

6HULH YDQ

' +RRJKH .DWLD	%5$%2
%HJXH 0L\D	02=.$
*HHQV $PpOLH	=&.
2RPV 5RRV	=9/
$P]RXU /LQD	%5$%2
&DUOLHU 'LHXZNH	=&.

6HULH YDQ

7KLMVEDHUW 6WHUU	=1
'HOLHQ)ORRU	=1
9DQ '\FN /LQH	+=$
%LHULQFN[/LHQQH	=1
9HUELVW)ORUH	=1
%HFNHUV 0DQRQ	%(67

6HULH YDQ

'LOOHQ 1RUDK	=*((/
9DQ 'H 9HQ 1DREL	6+$5.
'HZDHOKH\QV 1LHQH	75867
.HQQHV 1DRPL	=&.
/X\WHQ +DQQH	$=.
&RUWKRXW)HEH	+=$

6HULH YDQ

*DEULsOV 6DUDK	%5$%2
3HHWHUV 0DUWH	%5$%2
9DQ GHQ (\QGH %UL\ W	=&7
&RUQHOLVVHQ $QDL	%5$%2
1HHIV (PPD	75867
0LFKLHOVHQ -LQWKH	$=.

6HULH YDQ

+XEHUODQG /RUH	=9/
9DQ :DHGHUHQ 1HC	:67
(QGHOV /LVH	=252
8\WGHZLOOLJHQ .DW LH	$=.
9DQ *LQQHNHQ 0DUL	$=.
0HHXV)HEH	=*((/

6HULH YDQ

'H :LWWH /LHVO	75867
9DQ /RRQ 7HVV	$=.
/RPDQV $ODLQH	*=91
8QLRQ 0DUJRW	=252
%RYHQ $[HOOH	6+$5.
&X\SHUV /LQQH	*=91

6HULH YDQ

9DQ /DDUKRYHQ $OH VL	%5$%2
9DQ (VSHQ /RWWH	+=$
6FKRHWHUV 0DDUL	=*((/
9HUVWUHSHQ 5HQpH	6+$5.
5H\QLHUV /LVH	67:
*HHQV :HQNH	$=.

6HULH YDQ

0HHUWHQV -RG\	*=91
0H\HU 7K\UYL	%(67
'HYHFL $]UD	*=91
$EDUFD 0DUH	.67
%HHUVPDQV <HQWO	%5$%2
)DWLK $\D	%5$%2

6HULH YDQ

$HUQRXWV 0DDUWMH	$=.
2RPV 6DUL	=*((/
0HHUWV ;VDQG\	=1
9DQ 'HQ %URHFN .DL)LI	6+$5.
:\QDQWV)ORRU	=*((/
=XVWHU]HHO)HQQD	

6HULH YDQ

9DQ GHQ %URHFN =L 'D	=&7
2S GH %HHFN (OO\	%5$%2
6SUDQJHUV .DWR	02=.$
'ULHV 6LHQ	=*((/
-RULVVHQ +DQQH	*=91
9UDQNHQ 'DJPDU	=1

6HULH YDQ

'H 0DHUVFKDOFN (O( )	=&.
'DQKLHX[/LHQD	=252
6FKHSHUV 0LUWKH	*=91
$ULMV <DQD	+=$
9DQ +DYHQEHUJK /LI /	$=.
9DQFDXZHQEHUJK &K)U	%(67

=*((GDDJVH
*HHO

3URJUDPPDQU 'DPHV P YOLQGHUVODJ 9RRUURQGH

6HULH YDQ

+X\VPDQV 6LONH	=&.
&HXOHPDQV +DQQH	$=.
9UDQNHQ 5KXQH	=1
&ORHV /HQD	%(67
$QWKRQL $PHOLH	%5$%2
'DOHPDQV /\Q	=&.

6HULH YDQ

2JDVDZDUD ,PDQL	%5$%2
9DQ %HOOLQJHQ /RV VH	02=.$
.HQQLV 1DWKDOLH	$=9
0DULsQ)ORUH	=1
/H\WHQ +DQQHORUH	=*((
9DQ '\FN /LVH	.67

6HULH YDQ

6WUX\I /LHVHORW	+=$
5RPRQW /LHQ	+=$
.RQLQJV <OYD	*=91
7URS <DQD	=1
'HVFDPSV (OHRQRUH	75867
$XJXVWLMQV -LOO	=1

6HULH YDQ

/LSSHQV .DUR	67:
&ODDVVHQ $OHVVLD	$=9
0DHUHYRHW 0DULH	=1
)H\HQ &KDUORWWH	%5$%2
9HUVWUHSHQ 6LHO	*=91
0DUDVFR 0RLUD	*=91

6HULH YDQ

9DQ 'HQ :\QJDHUW $ QD	%5$%2
1LM]LHO 0D[LQH	=*((
*RULV 0LUWKH	0(*$
9HUPHLUHQ)OHXU	%5$%2
9DQ 6SH\EURHFN %R	=252
&RQHOLVVHQ =LWD	%5$%2

6HULH YDQ

1LM]LHO 1RYD	=*((
:RXWHUV %ULDQD	+=$
:DXWHUV /DXUD	%5$%2
'DYLG $wFKD	/48
9DQ *RUS &DUROLQH	$=9
+X\V -RULQGH	*=91

3URJUDPPDQU +HUHQ P VFKRROVODJ MDDU HQ R
P EUDVVH KRPPHV 6WDUWOLMVW

:('675,-' 5(&25' 'HROHW 7KLPRW\ %(/ *HHO

*HE

6HULH YDQ

9HUYORHVVHP)ULW\	=&7	17
9DQ 5HJHQPRUWHO !	(E!=1	17
6KLUYLOO &DVSHU	%5$%2	17

6HULH YDQ

1DHJHOV (OL	=2/$	17
6ODHWV &pGULF	=&7	17
&ORFNDHUWV 0DWKL	%5$%2	17
'HOVDHUGW %R\G	$=9	17
+XINHQV ,OLDQ	6+$5.	17
9RV -XOHV	*=91	17

6HULH YDQ

'ROKDLQ (OL	=9/	
-DQVVHQV 7LMV	=9/	
0LFKLHOVHQ %HQW	$=.	
9DQ 'HQ %RVVFKH 0[	VW%5$%2	
$ULMV .\DQ	+=$	
$PD]LDQ 0RKDPPHG	%5$%2	

*HE

6HULH YDQ

6WDEHO -DVSHU	.67	17
0RRUV :DUUH	=2/$	17
'H 9DOFN 7KLEDXOW	.67	17
0LKDLOHVFX 6WHIDQ	02=.$	17

6HULH YDQ

'H .RQLQJ 5XEHQ	%5$%2	17
'D 6LOYD &DPDUDWH 6K	%5$%2	17
:RXWHUV 6WRUP	02=.$	
9DQ (JGRP 6LHE	+=$	17
+HEE 4XLQWHQ	67:	17
6OX\WV 7LEH	:67	17

6HULH YDQ

9DQ *LQQHNHQ .DPL	$=.
2WWHYDHUH %HQMD _Q	%5$%2
9ROGHUV %R	%5$%2
'H 0DHUWHODHUH 9L FH	=*((
-DFRE 4LQJXQ	=9/
'H %DFNHU 5REEH	=9/

ZZZ]JHHO EH

=*((GDDJVH *HHO

3URJUDPPDQU +HUHQ P VFKRROVODJ 9RRUURQGH

6HULH YDQ

0HHXV 'LGD	=*((/
-RULVVHQ 4XLQWHQ	$=.
9ROGHUV $UQH	=9/
*\SHQ 7KRPDV	=&7
%HHUVPDQV 7KLEHD	%5$%2
1DJKLX 3DWULFN	%5$%2

6HULH YDQ

3HOOLFFLRWWD /XFI	=*((/
9DQ +RRI $UWKXU	=9/
6FKHLSHUV 6LHEH	$=.
2SGHQEHUJK 0HUOI Q	%5$%2
3LODUGV :DUG	%(67
.HNHo 6DPLU	=9/

6HULH YDQ

+H\OHQ 'DDQ	.67
6HUJDQW :ROI	02=.$
'LULFN[3HSLMQ	6+$5.
9LG\DUWKL $U\DQ	=*((/
'HFOHUFT 0LFN	%5$%2
/DHUHPDQV 6HEDVWI)D	6+$5.

6HULH YDQ

%URX[$OH[DQGHU	*=91
/DHUHPDQV 6LPRQ	6+$5.
6]HZNR $UWXU	%5$%2
0LFKRHO 4XLQWHQ	=*((/
/DPEUHFKWV ,DQ	=1
2WWHYDHUH $OH[DQ HL	%5$%2

6HULH YDQ

%DN[:DUUH	=&.
6FKHHUV 3LHWHU	=&7
9DQ /RRQ :LHV	$=.
'H 3RRWHU 7RRQ	6+$5.
,QWKRI /DUV	*=91
)ORUXV %HUQH	6+$5.

6HULH YDQ

.RNNHQ 6LPRQ	%5$%2
9DQ 'H 9HLUH :DQQH	=&.
0ROGHUV $[O	%(67
+D[HOPDQV /XFD	6+$5.
9DQ GH 3RHO 1RDK	=&.
'ULHV .ODDV	=*((/

6HULH YDQ

9DQ GHU $XZHUD 5H V	+=$
$XJXVWLMQV 6DP	=1
' +RQGW &RQQRU	6+$5.
%DN[-DQQHV	=&.
'H *UDYH 7KLEDXOW	.67
6QH\HUV /LDP	=1

6HULH YDQ

0HUWHQV *HUEHQ	=9/
9HUPHHUEHUJHQ .DF	H(02=.$
.HLVHUV 7LER	$=9
-RQFNKHHUH -RSSH	=1
%RH\NHQV 6WLMQ	.67
9DQ GDPPH (OLDV	%5$%2

6HULH YDQ

+DHVHQGRQFN[-DUC	=*((/
+DXEHQ 7KRPDV	+=6
0RRUWJDW :RXW	=&.
)ORUXV :LOOHP	6+$5.
*HHQV :DUUH	$=.
*ULPPLDX[0DUWLQ	=252

6HULH YDQ

%HUWHOV 4XLOODQ	6+$5.
.QDHSNHQV 6LPRQ	=1
9HUGRQFN %UHFKW	=*((/
)LHUHQV -HQV	=9/
9DQ 7LOEXUJ 0DWWK DV	=*((/
9RV 6HP	*=91

6HULH YDQ

%KDWLD <DVK	=*((/
9DQWKRXUQRXW ;DQ HL	=*((/
+XINHQV ,EHQ	6+$5.
+X\JHQV $UQH	02=.$
9DQ %DOODHU 9LNW U	=*((/
5DHV 'ULHV	%(67

6HULH YDQ

6DQILOLSSR .REH	02=.$
9DQ 5HPRRUWHUH -D	'SH67:
0DWKH\VVHQ 9LQ]	%5$%2
%RWWRQH /RUHQ]R	+=6
6D]RQRY)HGRU	.67
'RRPHQ 0DUQL[	=9/

6HULH YDQ

%HHFNPDQV)HUUH	02=.$
:LOOHPV 'LHWHU	$=9
9HUUHHW 0LODQ	=1
9DQRSSHQ 0DWKLDV	+=6
/HLUV /RGH	+=$
%RHWV 9LFWRU	02=.$

6HULH YDQ

9HUPHLU 9LNWRU	*=91
9DQGHQEHUJK /DUV	02=.$
9DQ '\FN 1LFN	.67
+DXEHQ 6DQGHU	+=6
9DQGHQEHUJK /DQGH J	02=.$
:\QDQWV 5RQ	6+$5.

3URJUDPPDQU +HUHQ P VFKRROVODJ 9RRUURQGH

6HULH YDQ

9DQ +RH\ %LOOLHW	ƆH67:GHU
'UX\WV -HURHQ	.67
'H .RQLQFN 3LHWHU	ƆQ=2/$
9DQ GH *HQGHU 1LO	67:
(YHQV -RSSH	*=91
9DQ GHQ (\QGH 9LN	=&7

6HULH YDQ

3DXZHOV 6DQGHU	75867
0HQQHQ 5XEHQ	%5$%2
(O .DVPL 0RKDPHG	%5$%2
9DQGRRUHQ -XOHV	*=91
%LJJV .DOYLQ	=252
.HQLV -RUHQ	=*((

6HULH YDQ

'H -RQJH 'ULHV	6+$5.
9HUELVW %HQMDPLQ	67:
6HUYHULXV -RUGL	0(*$
1HOLV 0LFKLHO	6+$5.
9DQ '\FN %UDP	.67
'ULMYHUV -RKDQQHV	%(67

6HULH YDQ

9HUELVW 6WLMQ	67:
0DUWHQV 1RDK	%5$%2
-DQVHQV 5HQ]R	%5$%2
*HXHQV /DUV	/48
:\QV 6HSSH	=1
6QH\HUV .REH	=1

6HULH YDQ

3HHWHUV 7LMV	%5$%2
5X\VHQ ,O	*=91
/DHUHPDQV 3LHWHU	6+$5.
/LHFNHQV 1RODQ	=1
%DN[6HQQH	=&.
%DXZHQV $URQ	=2/$

6HULH YDQ

/HPPHQV 0LOR	$=9
'ULMYHUV 6HSSH	%(67
'H *UDXZH $UQH	67:
%ODQNHUV *DHWDQ	%5$%2
7K\V %MDUQH	67:
-RULVVHQ 5XEH	*=91

6HULH YDQ

0DUVLO\ *XVWDYH	=252
2UEDQ 2OLYLHU	67:
9UDQFN[%MDUQH	%(67
+H\UPDQ 7LJR	%5$%2
/HSHUV 5RELQ	%(67
0HOOHPDQV (JRQ	02=.$

6HULH YDQ

9DQKRYH 0D[LPH	=*((
:RXWHUV &DV	%5$%2
'HFRVVDX[9DOHQWL	/48
2RPV -RQDK	=*((
9HUYORHW 5XZHQ	%5$%2
9DQ 6RQ /DQGHU	%5$%2

3URJUDPPDQU 0HLVMHV P YULMH VODJ MDD
P QDJH OLEUH ILOOHV 6WDUWO

*HE

6HULH YDQ

/D]HURPV 6LHQ	%5$%2	17
&HXOHPDQV /HQD	%5$%2	17
0HOLV 9OLQGHU	.67	17
9DQ 7LOEXUJ)UDXNH	=*((	17
1DJKLX ,]ROGD	%5$%2	17

*HE

6HULH YDQ

9HUVOHJHUV -XQH	+=$
9DQ /RRYHUHQ $VWH	$=.
+X\EUHFKWV)HD	%(67
%LHULQFN[0LH	=1
&X\SHUV 0DQRQ	*=91
)DHV (O\QH	+=$

=*(// GDDJVH
*HHO

3URJUDPPDQU -RQJHQV P YULMH VODJ MDD
P QDJH OLEUH JDUoRQV 6WDUWO

*HE *HE

6HULH YDQ

9DQVSDXZHQ 9LNWR *=91
'LOOHQ)LQQ =*(//
&OHUFN[7KRPDV $=9
3LHWHUV .REH +=$

3URJUDPPDQU 'DPHV P UXJVODJ MDDU HQ R
P GRV GDPHV 6WDUWOLMVW

:('675,-' 5(&25' %X\V .LPEHUO\ %(/ *HHO

*HE *HE

6HULH YDQ

8\WWHUKRHYHQ)OR =&7 17
+X\EUHFKWV /RWWD %(67 17
+H\OHQ -DGH .67 17
9DQ +HXJWHQ 0DULH =1 17
9DQGHUOLQGHQ 3DX LH%(67 17

6HULH YDQ

9HOGKXLV 9LFWRULL =&7 17
.HPSV (OL]H 02=.$ 17
/H\VHQ -XWWD =*(// 17
*H\SHQ :LHV 02=.$ 17
%D\JXQHV 'HIQH 02=.$ 17
6HOV 6RILH =1 17

6HULH YDQ

/LSRQRJD 0DMD %5$%2 17
.RNNHQ 3DXOLHQ %5$%2
6PHWV 0DUDP .67
%RJDHUW .ODUD =2/$
*HYHUV /HRQLH %(67 17
%RKPHU -DQQH =&7 17

6HULH YDQ

-DVSHUV /LHQ +=6
*HQEUXJJH eOpD %5$%2
6WHIDQRYD 6LOYLD =9/
&RHVHPDQV $PLOLD =*(//
%RH\NHQV (PPD .67
'H %RFN 0DULH +=$

6HULH YDQ

9HUYRRUW -XOLH =2/$ 17
5H\QLHUV /LVH 67: 17
%RHFN[3DXOLHQ =*(// 17
%HJXH 0L\D 02=.$ 17
1LM]LHO)UpGpULTXH =*(// 17
7XH]QH\ .DWR %(67 17

6HULH YDQ

9DQ %DHOHQ <HQWK 02=.$ 17
%DDML <RXVUD %5$%2 17
9DQ 'H 0RVVHODHU (PL%5$%2 17
9DQ %XJJHQKRXW ,V DQ=1 17
0ROV 0HWWH 02=.$ 17
-DQVVHQV (OLVDEHW 6+$5. 17

6HULH YDQ

9DQ 5HHWK /LH]H =9/
&ODHVVHQV (OOD /R LV*=91
(UWYHOGW .ODDUWM 6+$5.
0HHUWHQV -HVV\ *=91
:RXWHUV 6\ND +=$
$]]D 0DQDU %5$%2

6HULH YDQ

2OEUHFKWV /HQND %5$%2
6WHIDQRYD *DEULHO =9/
9HUKH\GHQ 1RDK 02=.$
6HQ <DVPLQH %5$%2
.RUHQ =DUD *=91
'LHUFN[ )HPNH 6+$5.

ZZZ]JHHO EH

=*((GDDJVH *HHO

3URJUDPPDQU 'DPHV P UXJVODJ 9RRUURQGH

6HULH YDQ

9DQKDHVHEURHFN 0	JL=1(OLQH
0DHV -XOLH	=*((
/HSDJH $PHOLH	%5$%2
+DEUDNHQ $PEHU	*=91
7KHZLVVHQ 0LUWKH	+=6
9DQGHSXWWH (HEH	%(67

6HULH YDQ

,ZHQV /RWWH	%5$%2
:\QDQWV)LHQ	=*((
9LVVHUV /RWWD	%5$%2
&DPSIRUWV)LHQ	.67
*H\SHQ)LHQ	02=.$
-DFREV)LOLSSD	*=91

6HULH YDQ

'D 6LOYD &DPDUDWH	LC%5$%2
6DKLQ 'HIQH (OD	=*((
&RQWDQ 5DLVD	.67
/RPDQV $ODLQH	*=91
9DQ *LQQHNHQ 0DUL	$=.
3RHOV 1RPL	=*((

6HULH YDQ

7DOERRP /LHV	%5$%2
9ULQGWV <WH	%(67
0LFKLHOVHQ 1RRU	$=9
=HNUL 1LVULQH	%5$%2
'HOSRUWH /RWWH	67:
(QGHOV /LVH	=252

6HULH YDQ

%HOOLQN[-DQQH	%5$%2
)DWLK $\D	%5$%2
2RPV 6DUL	=*((
9UDQNHQ 'DJPDU	=1
'HVFDPSV $GpODwGH	75867
/R\H] 0D[LQH	%5$%2

6HULH YDQ

$HUQRXWV 5RRV	$=.
'H 5LGGHU 1LREH	%5$%2
'HPHGWV $QQD /RXL'	H 75867
6FKRHWHUV 0DDUL	=*((
%LHULQFN[/LHQQH	=1
9DQ 'HQ %URHFN .DL	)LI6+$5.

6HULH YDQ

2S GH %HHFN (OO\	%5$%2
'DQKLHX[/LHQD	=252
*RRYDHUWV (OOHQ	67:
$P]RXU /LQD	%5$%2
9LQJHUKRHWV 0DGH	LH=1
2RPV 5RRV	=9/

6HULH YDQ

/HPEUHFKWV 6RSKLH	=9/
'H %RQGW .LP	=9/
%HOOHQV /RUH	6+$5.
0HUWHQV)HPNH	6+$5.
6HUJDQW .ODUD	02=.$
9HUGRRG 3LS	=9/

6HULH YDQ

*HEUXHUV /HQWKHO	=*((
'H %RR +HOJH	=9/
6FKHOOHPDQV &KDU	RW=9H
%RUJKV /RUH	=*((
'H %UDEDQGHU &ODL	H 67:
0HHXV)HEH	=*((

6HULH YDQ

&DUOLHU 'LHXZNH	=&.
-RQFNKHHUH 1HOOH	=1
-DQVVHQV %OXH	=1
-DFREV /RWWH	=9/
9DQ /DHWKHP =Rs	=*((
'HOLHQ)ORRU	=1

6HULH YDQ

/LHNHQV /LQGVD\	+=$
/H\WHQ /LHVHORW	=*((
+XEHUODQG /RUH	=9/
%RYHQ $[HOOH	6+$5.
8QLRQ 0DUJRW	=252
:LMFNPDQV /HQH	+=$

6HULH YDQ

0HHUWHQV -RG\	*=91
$HUQRXWV 0DDUWMH	$=.
0HUWHQV +HOHQD	6+$5.
0H\HU 7K\UYL	%(67
/DXZDHUW 1LND	.67
'HZ\Q &KORp	=&7

6HULH YDQ

9DQ /DDUKRYHQ $OH	VL%5$%2
'LOOHQ 1RUDK	=*((
$EDUFD 0DUH	.67
0HHUWV ;VDQG\	=1
9HUKXOVW /RWWH	67:
*\SHQ .DDW	=&7

6HULH YDQ

'HYHFL $]UD	*=91
9UDQNHQ 5KXQH	=1
7HEHODNLV 0HOLQD	=&.
'H :LWWH /LHVO	75867
9DQ 'H 9HQ 1DREL	6+$5.
&HXOHPDQV +DQQH	$=.

3URJUDPPDQU 'DPHV P UXJVODJ 9RRUURQGH

6HULH YDQ

-RULVVHQ +DQQH	*=91
0LFKLHOVHQ -LQWKH	$=.
0DUDVFR 0RLUD	*=91
9DQFDXZHQEHUJK &H	%(67
1HHIV (PPD	75867
'HZDHOKH\QV 1LHQH	75867

6HULH YDQ

6FKHSHUV 0LUWKH	*=91
0RUHHOV 1LQD	$=.
'ULHV 6LHQ	=*((/
(O %RXKGLGL $ODH	67:
9HUELVW)ORUH	=1
/DJH\ /LVHORWWH	=*((/

6HULH YDQ

'HVFDPSV (OHRQRUH	75867
0DULsQ)ORUH	=1
'H :HHUGW $PpOLH	=&7
*DEULsOV 6DUDK	%5$%2
*LMVHOV 1RRUWMH	6+$5.
/H\WHQ +DQQHORUH	=*((/

6HULH YDQ

/RQFNH)HEH	=&.
'DOHPDQV /\Q	=&.
:\QDQWV)ORRU	=*((/
.RQLQJV <OYD	*=91
+X\V -RULQGH	*=91
%RXTXHW (OLVH	%5$%2

6HULH YDQ

6SUDQJHUV .DWR	02=.$
9DQ 'HQ :\QJDHUW $ QD	%5$%2
%HFNHUV 0DQRQ	%(67
$XJXVWLMQV -LOO	=1
:DXWHUV /DXUD	%5$%2
*HHQV $PpOLH	=&.

6HULH YDQ

'DYLG $wFKD	/48
0DUWHOHXU <HONH	=&7
)H\HQ &KDUORWWH	%5$%2
9DQ *RUS &DUROLQH	$=9
9DQ /RR\ -HOVNH	=&7
1LM]LHO 1RYD	=*((/

6HULH YDQ

9DQ 6H\EURHFN %R	=252
&ORHV /HQD	%(67
:RXWHUV %ULDQD	+=$
&ODDVVHQ $OHVVLD	$=9
/LSSHQV .DUR	67:
9DQ '\FN /LVH	.67

6HULH YDQ

%HKDHJKHO -DQQH	=&7
1LM]LHO 0D[LQH	=*((/
*RULV 0LUWKH	0(*$
5DYHOLQJLHQ /DQD	%5$%2
9DQ %HOOLQJHQ /RV VH	02=.$
.HQQLV 1DWKDOLH	$=9

3URJUDPPDQU +HUHQ P YULMH VODJ MDDU HQ R
P QDJH OLEUH KRPPHV 6WDUWOLMVW

:('675,-' 5(&25' 7LPPHUV 3LHWHU %(/ *HHO

*HE

6HULH YDQ

&ORFNDHUWV 0DWKL	%5$%2	17
6KLUYLOO &DVSHU	%5$%2	17
6WDEHO -DSHU	.67	17
0HQQHQ 5XEHQ	%5$%2	17

6HULH YDQ

0LKDLOHVFX 6WHIDQ	02=.$	17
'HFOHUFT 0LFN	%5$%2	17
0LFKRHO 4XLQWHQ	=*((/	17
'H .RQLQJ 5XEHQ	%5$%2	17
6OX\WV 7LEH	:67	17
.HLVHUV 7LER	$=9	17

*HE

6HULH YDQ

(O +DGGRXFKL +DUR Q	=2/$	17
6ODHWV &pGULF	=&7	17
'H 9DOFN 7KLEDXOW	.67	17
3LOODUGV :DUG	%(67	17
(QNKWXYVKLQ 6XPEH J	=2/$	17
9RV -XOHV	*=91	17

6HULH YDQ

:RXWHUV 6WRUP	02=.$	17
9DQ 5HJHQPRUWHO (EH	=1	17
9HUGRQFN 0DULXV	=2/$	
-DQVVHQ 7LER		
9DQ *UXQGHUEHHFN D'	=&7	17
*HHQV 'Up	=&7	17

=*((GDDJVH *HHO

3URJUDPPDQU +HUHQ P YULMH VODJ 9RRUURQGH

6HULH YDQ

+DXEHQ 7KRPDV	+=6
:LOOHPV 5XEHQ	$=9
$PD]LDQ 0RKDPPHG	%5$%2
9DQ 'HQ %RVVFKH 0[	VW%5$%2
-DFRE 4LQJNXQ	=9/
$ULMV .\DQ	+=$

6HULH YDQ

1DHJHOV (OL	=2/$
'ROKDLQ (OL	=9/
0HUWHQV *HUEHQ	=9/
'HFDOXZp *HRUJHV	=&7
'D 6LOYD &DPDUDWH	6K%5$%2
9LG\DUWKL $U\DQ	=*((

6HULH YDQ

:DHOSXW 7KRPDV	67:
.HUFNKRIV .REH	=1
6OX\WV -HQQH	:67
9HUPHHUEHUJHQ .DF	H(02=.$
9HUKDJHQ 5REEH	67:
0LFKLHOVHQ %HQW	$=.

6HULH YDQ

/DGHZLJ 6HWK	=2/$
2WWHYDHUH %HQMD	LQ%5$%2
'H 0DHUWHODHUH 9L	FH=*((
+H\OHQ 'DQ	.67
%HWWHQV /XFDV	=2/$
1DJKLX 3DWULFN	%5$%2

6HULH YDQ

%RH\NHQV 6WLMQ	.67
+XINHQV ,OLDQ	6+$5.
'H %DFNHU 5REEH	=9/
9ROGHUV $UQH	=9/
6HOV 6HWK	=*((
9DQ (JGRP 6LHE	+=$

6HULH YDQ

9DQRSSHQ 0DWKLDV	+=6
0HHXV 'LGD	=*((
%HHUVPDQV 7KLEHD	%5$%2
9RV 6HP	*=91
2SGHQEHUJK 0HUOL\	Q %5$%2
-DQVVHQV 7LMV	=9/

6HULH YDQ

%DN[:DUUH	=&.
3HOJULPV /RZLH	=&7
9DQ +RRI $UWKXU	=9/
9DQ GHU %RUJKW)O	UL=&7
9DQ *LQQHNHQ .DPL	$=.
'LULFN[3HSLMQ	6+$5.

6HULH YDQ

-RULVVHQ 4XLQWHQ	$=.
&X\SHUV $UQDXG	*=91
6FKHLSHUV 6LHEH	$=.
5DYHOLQJLHQ 7LEH	%5$%2
3HOOLFFLRWWD /XFL	=*((
.HNHo 6DPLU	=9/

6HULH YDQ

9HUPH\OHQ (PLHO	+=$
*ULPPLDX[0DUWLQ	=252
/DPEUHFKWV ,DQ	=1
.HQHQV 6LPRQ	*=91
+DQQHV 4XLQWHQ	$=9
9DQ GDPPH (OLDV	%5$%2

6HULH YDQ

6HUJDQW :ROI	02=.$
-RQFNKHHUH -RSSH	=1
/DHUHPDQV 6LPRQ	6+$5.
/DHUHPDQV 6HEDVWL	DQ 6+$5.
6D]RQRY)HGRU	.67
,QWKRI /DUV	*=91

6HULH YDQ

&DWU\ $UQH	=&7
%RKPH 7RELDV	=&7
)ORUXV :LOOHP	6+$5.
+DXEHQ 6DQGHU	+=6
6]HZNR $UWXU	%5$%2
9DQ /RQ :LHV	$=.

6HULH YDQ

9DQ 'H 9HLUH :DQQH	=&.
'H 0DHUVFKDOFN %L	O =&.
'HOVDHUGW %R\G	$=9
2WWHYDHUH $OH[DQ	HL%5$%2
*HHQV 7KLEDXW	=&.
9DQ (JGRP :RXW	+=$

6HULH YDQ

'RRPHQ 0DUQL[	=9/
.QDHSNHQV 6LPRQ	=1
9DQ GH *HQGHU :RX\	67:
*HHQV :DUUH	$=.
%HHFNPDQV)HUUH	02=.$
+DHVHQGRQFN[-DUG	=*((

6HULH YDQ

9DQ %DOODHU 9LNW U	=*((
0ROGHUV $[O	%(67
+XINHQV ,EHQ	6+$5.
+X\JHQV $UQH	02=.$
%HUWHOV 4XLOODQ	6+$5.
&ORVVHW &DVLPLU	%5$%2

3URJUDPPDQU +HUHQ P YULMH VODJ 9RRUURQGH

6HULH YDQ

%KDWLD <DVK	=*((/
+D[HOPDQV /XFD	6+$5.
$XJXVWLMQV 6DP	=1
9DQ GHU $XZHUD 5H V	+=$
1LMVNHQV .DUHO	%5$%2
9DQGHQEHUJK /DQGł J	02=.$

6HULH YDQ

5DHV 'ULHV	%(67
1HOLV 0LFKLHO	6+$5.
'ULHV .ODDV	=*((/
*KLMVHQ 0DWHR	:67
6FKHHUV 3LHWHU	=&7
%URX[$OH[DQGHU	*=91

6HULH YDQ

5X\VHQ ,O	*=91
3DXZHOV 6DQGHU	75867
+ROODQGHUV -DUQH	=1
9DQ 5HPRRUWHUH -D 'SŁ	67:
'H 3RRWHU 7RRQ	6+$5.
.RNNHQ 6LPRQ	%5$%2

6HULH YDQ

)ORUXV %HUQH	6+$5.
' +RQGW &RQQRU	6+$5.
'H .RQLQFN 3LHWHU ƆQ	=2/$
9DQ GH *HQGHU 1LO	67:
0HOHPDQV (JRQ	02=.$
'H *UDXZH $UQH	67:

6HULH YDQ

+HUHPDQV 1LQR	+=$
/HLUV (GZDUG	+=$
9DQWKRXUQRXW ;DQ HŁ	=*((/
9DQ 'HQ %RVVFKH 6\ ƆQ	%5$%2
/DHUHPDQV 3LHWHU	6+$5.
9DQ :DHOGHUHQ 7KR D\	:67

6HULH YDQ

3HHWHUV 7LMV	%5$%2
9DQGHQEHUJK /DUV	02=.$
%RRQHQ)DELDQ	%5$%2
/HPPHQV 0LOR	$=9
'UX\WV -HURHQ	.67
'H .HHUVPDHNHU $U\ KX	%5$%2

6HULH YDQ

9DQKDPHO <RQDV	=2/$
9DQ /RR\ -RRVW	+=$
%RHWV 9LFWRU	02=.$
2RPV -RQDK	=*((/
6DQILOLSSR .REH	02=.$
+DHVW -HOOH	$=9

6HULH YDQ

)LHUHQV -HQV	=9/
9DQVWHHODQGW %U P	=&.
0DNERXOLDQ 7\URQ	67:
7K\V %MDUQH	67:
9HUPHLU 9LNWRU	*=91
9DQ 7LOEXUJ 0DWWK D\	=*((/

6HULH YDQ

/HLUV /RGH	+=$
-RULVVHQ 5XEH	*=91
0DWKH\VVHQ 9LQ]	%5$%2
9HUGRQFN %UHFKW	=*((/
'H %RGW 'DQ	%5$%2
*RHWKDOV 9LQFH	67:

6HULH YDQ

%LJJV .DOYLQ	=252
&ORHV 6WHI	%(67
6QH\HUV /LDP	=1
9DQ +RH\ %LOOLHW ƆH	67:)GHU
/DPSR 2OLYLHU	%5$%2
(O %RXKGLGL $\PDQ	67:

6HULH YDQ

*LOOLV ;DQGHU	=&.
9DQGRRUHQ -XOHV	*=91
0DUVLO\ *XVWDYH	=252
)UDQFNHQ 7LHEH	$=.
+HEE 4XLQWHQ	67:
9DQ *LQQHNHQ :DUU	$=.

6HULH YDQ

&ODDVVHQ ,ODULR	$=9
'H *UDYH 7KLEDXOW	.67
9HUUHHW 0LODQ	=1
9HUELVW %HQMDPLQ	67:
9DQ GHQ (\QGH 9LN	=&7
/LHFNHQV 1RODQ	=1

6HULH YDQ

9DQ '\FN 1LFN	.67
'H -RQJH 'ULHV	6+$5.
9HUELVW 6WLMQ	67:
:\QDQWV 5RQ	6+$5.
:RXWHUV &DV	%5$%2
(YHQV -RSSH	*=91

6HULH YDQ

9DQ *HHO 0DWV	:67
.HQLV -RUHQ	=*((/
:LOOHPV 'LHWHU	$=9
'ULMYHUV -RKDQQHV	%(67
2UEDQ 2OLYLHU	67:
'ULMYHUV 6HSSH	%(67

=*((GDDJVH
*HHO

3URJUDPPDQU +HUHQ P YULMH VODJ 9RRUURQGH

6HULH YDQ

9DQKRYH 0D[LPH	=*((
6HUYHULXV -RUGL	0(*$
6QH\HUV .REH	=1
9DQ 'URRJHQEURHFN	1L/48
5DHV 6HQQH	%5$%2
9HUVFKXHUHQ 6LHE	%5$%2

6HULH YDQ

%ODQNHUV *DHWDQ	%5$%2
:\QV 6HSSH	=1
0HHXV (OLDV	%5$%2
&DUFKRQ %UHFKW	/48
+H\UPDQ 7LJR	%5$%2
9DQ 6RQ /DQGHU	%5$%2

6HULH YDQ

%UDFNH (UQR	%5$%2
.DORJHURSRXORV =H)R	%5$%2
'H 6PHGW -HVVH	%5$%2
-DQVVHQV 5HQ]R	%5$%2
/LJHUV 5RELQ	%(67
9DQ '\FN %UDP	.67

6HULH YDQ

'H 0XQFN 0LODQ	75867
+RUHPDQV 5XEHQ	=1
7KLMV 7KRPDV	=*((
0DUWHQV 1RDK	%5$%2
9HUYORHW 5XZHQ	%5$%2
9UDQFN[%MDUQH	%(67

3URJUDPPDQU 0HLVMHV P VFKRROVODJ MDD
P EUDVVH ILOOHV 6WDUWO

*HE

6HULH YDQ

9DQ /RRYHUHQ $VWH	$=.	17
1DJKLX ,]ROGD	%5$%2	17
9DQ 7LOEXUJ)UDXNH	=*((	17
/D]HUPV 6LHQ	%5$%2	17
,HOLV 9OLQGHU	.67	17

*HE

6HULH YDQ

+X\EUHFKWV)HD	%(67	17
&X\SHUV 0DQRQ	*=91	
%LHULQFN[0LH	=1	
)DHV (O\QH	+=$	
9HUVOHJHUV -XQH	+=$	
&HXOHPDQV /HQD	%5$%2	17

3URJUDPPDQU