

) LWW/DWW3UHY 1H[W 1R VHDUFK UHVXOW DYDLODE @I

/DW&RP_P_HOW%XJ \$ FUREDW : UWWUSUOW VDYHV GRXP HQWDEOHG6WDXV 81 & 21), 50 ('

5 HSRUMG ' 7 E\

7HUJ6HMULW ORUP DO

0 RGULHG ' 7

9LHZ1HZ RLGV9RMW %XJ \$ FWMW: KLMERDUG

VKRZ

85/ KW\$ DOO

&&

bugzilla@davee.com
bwr64x@yahoo.com
debrepo@willem.ingen.nl
jminifie588t@gmail.com
Karl-Heinz_Pohl@web.de

3URGXFW &RUH&RP SROHOW 3ULQWQJ9HULRQ XOVSHFLILHG±DUGZ DJH 3&26 : LQGRZV ; 3\$ WJQHG 7R 1RERGV 2. VR VDNH LVDOG
ZRUN RQJW4\$ &ROMDFW SULQW#FRUHEXJV3URULWZDUJHWO LOHMROH

' HSHQGV RQ

%ORFNV6KRZ GHSHQGHOF WHH
6KRZ GHSHQGHOF JUDSK\$ WDFKP HOW\$ SULOMR 3') YHULRQ RI DO DSSRLQW HOWRQILP DMRO %
DSSQFDVLRQSGI

QR IODJV ' HMDOV

\$GG DO DWDFKP HOW SURSRV SDMFK WWWMDVH HM9LHZ \$O7HUJ ' 7' HMULSMRQ

8VHU \$JHQW OR]LOOD :LQGRZV 8 :LQGRZV 17 HQ 86 UY E

*HFNR)LUHIR[E

%XLOG ,GHQWLILHU OR]LOOD :LQGRZV 8 :LQGRZV 17 HQ 86 UY E

*HFNR)LUHIR[E

\$Q\ ZHE SDJH SULQWHG RU VDYHG XVLQJ \$FUREDW 5HDGHU DQG 3') :ULWHU WR FUHDWH WKH 3') GRFXPHQW KDV WH[W JDUEOHG FKDUDFWHUV DUH MXPEOHG XS DQG XQUHDGDEOH

5HSURGXFLEOH \$OZD\V

6WHSV WR 5HSURGXFH

6H 3ULQW

%XJ ± \$ FUREDW) : UWLQHUVWDFMGRFEXP HQWMEOG

KWNEXI JLOOP R JLOOPRU VRZ BEXI FJL'IG

\$FUREDW 3') : ULWHU IRU ZULQWHU
\$V ILOH QDPH DQG VDYH ZLWK 9LHZ) LOH &KHFNHG WR RSHQ \$FUREDW 5HDGHU
DIWHU FRPSOHWLRQ
\$FWXDO 5HVXOWV
&KDUDFWHUV XQUHDGDEOH LQ UHVXOWLQJ 3') GRFXPHQW

([SHFWHG 5HVXOWV
\$FXUDWH UHSURGXFWLRQ RI ZHE SDJH RU VHOHFWLRQ RI SDJH
:RUNV ILQH LQ ,QWHUQHW ([SORUHU DOO YHUVLRQV

EZU' 7

&RP P HQW

5HSOLFWDHG WKLV HIIHFW ZLWK) LUHIR[% DQG \$GREH \$FUREDW 3') : ULWHU SDUW
RI \$GREH \$FUREDW ZRUNV ILQH ZLWK RWKHU DSSOLFDWLRQV DQG ZLWK) LUHIR[,
VXVSHFW VRPH IRQW WUDQVODWLRQ VLQFH JUDSKLFV DQG WH[W SRVLWLRQLQJ VHHP FRUUHFW
3ULQWLQJ WR D QRUPDO SULQWHU ZRUNV ILQH 3ULQW SUHYLHZ ZRUNV ILQH &KDQJLQJ
3') : ULWHU 3URSHUWLHV FRPSUHVVLRQ DQG) RQW (PEHGLQJ GR QRW KDYH DQ HIIHFW
5HLQVWDOOLQJ \$FUREDW GLG QRW FRUUHFW

7KH IROORZLQJ OLQH
7KDQN \RX IRU KHOSLQJ WHVW) LUHIR[%HWD 7KLV UHOHDVH LV EHLQJ PDGH
,V WUDQVODWHG LQWR D 3') ILOH GLVSOD\LQJ
. '1 5; 58 +26/4- 9: /8+,5> + /9 8 2+ + /9 (+ 4- 3'*+

-RKQ' 7

&RP P HQW

5HSHDWDEOH ZLWK ROG 3') ZULWHU :RUNV ZLWK) LUHIR[2WKHU SULQWHUV
ZRUN 2.

OR]LOOD :LQGRZV 8 :LQGRZV 17 HQ 86 UY E *HFNR
) LUHIR[E

EZU' 7

&RP P HQW

:RUNDURXQG

\$FUREDW 'LVWLOOHU UHQGHUV 3') V FRUUHFWO\ 6DPH VRIWZDUH VDPH +70/ SDJHV
\$FUREDW 3') : ULWHU JDUEOHV \$FUREDW 'LVWLOOHU GRHVQ W

MRVHSK QXWHU' 7

&RP P HQW

VDPH SUREOHP ZLWK \$FUREDW

.HWK' IHKO' 7

&RP P HQW

, KDYH \$FUREDW IXOO YHUVLRQ DQG \$GREH 5HDGHU 9HU , KDYH WKH VDPH SUREOHP
RQ WKUHH GLIIHUHQW FRPSXWHUV 3ULQWLQJ WR 3') : ULWHU ZRUNHG ILQH ZLWK) LUHIR[
VWLOO ZRUNV ILQH ZLWK ,(EXW WKH UHVXOWDQW SGI ILOH LV JDUEOHG ZLWK
) LUHIR[,QWHUHVWLQJO\ WKH 3ULQW 3UHYLHZ IXQFWLRQ GLVSOD\V FRUUHFWO\

.DU+HLOJ_3RKO' 7

&RP P HQW

, KDYH \$FUREDW IXOO YHUVLRQ DQG GLVFRYHUHG WKH VDPH SUREOHP QRZ ZLWK WKH

QHZO\ UHOHDVHG)LUHIR[3ULQWLQJ WR 3'):ULWHU ZRUNHG ILQH ZLWK)LUHIR[
 VWLOO ZRUNV ILQH ZLWK , (EXW WKH UHVXOWDQW SGI ILOH LV JDUEOHG ZLWK
)LUHIR[, QWHUHVWLQJO\ WKH 3ULQW 3UHYLHZ IXQFWLRQ GLVSOD\V FRUUHFWO\,
 ,Q DGGLWLRQ , IRXQG WKDW SULQWLQJ IURP)LUHIR[WR)R[LW 3') :ULWHU FUHDWLQJ D
 3'))LOH XVLQJ)R[LW LQVWDHG RI WKH \$FUREDW Y SURGXFH V D SHUIHFW 3') ILOH

NP LOULH WJP DLORP

' 7

&RP P HQW

, KDYH \$FUREDW IXOO YHUVLRQ DQG GLVFRYHUHG WKH VDPH SUREOHP ZLWK WKH QHZO\ UHOHDVHG)LUHIR[3ULQWLQJ WR 3'):ULWHU ZRUNHG ILQH ZLWK II [7KH RXWSXW SGI ILOH LV JDUEOHG ZKHQ XVLQJ II EXW QRW ZLWK II 3ULPR 3') UHQGHUV D SURSHU RXWSXW

O LFKDHQ 1HLO

' 7

&RP P HQW

&UHDWHG DQ DWWDFKPHQW LG >GHWDLOV@
 \$ SULQW WR 3') YHUVLRQ RI DQ DSSRLQWPHQW FRQILUPDWLRQ

+HUh LV DQ H[DPSOH RI ZKDW LV EHLQJ SURGXFHG 7KH LVVXH VHHPV WR EH ZLWK)) DQG DOO YHUVLRQV RI \$GREH 7KLV ZDV SURGXFHG ZLWK WKH IXOO YHUVLRQ RI EXW LW DOVR RFFXUUHG ZLWK WKH IXOO YHUVLRQ RI \$GREH

O DUFLD . ORXV>P DUFLD@

' 7

&RP P HQW

%XJ KD EHHQ PDUNHG DV D GXSOLFDWH RI WKLV EXJ

O DUFLD . ORXV>P DUFLD@

' 7

&RP P HQW

%XJ KD EHHQ PDUNHG DV D GXSOLFDWH RI WKLV EXJ

%RE 5DLFHU

' 7

&RP P HQW

, JHW WKH VDPH EDG UHVXOWV ZLWK 9 9 DQG 9 RI \$GREH V 3') ZULWHU 8VLQJ 'RFXGHVN V 'HVN3') SURGXFW WKH UHVXOWV DUH FRUUHF

ZYHQJHQ

' 7

&RP P HQW

&RQILUPLOJ IRU)LUHIR[LW GLG ZRUN FRUUHFWO\ ZLWK)LUHIR[

:LQGRZV ;3 +RPH (GLWLRQ YHUVLRQ VHUYLFH SDFN 3') FUHDWRU \$FUREDW 3') :ULWHU IRU :LQGRZV 17 3') YHUVLRQ \$FUREDW

&XWH3') :ULWHU GRHV VHHP WR IXQFWLRQ FRUUHFWO\

,W LV LQWHUHVWLQJ WR QRWH WKDW WKH 3')V FUHDWHG E\ &XWH3') :ULWHU DUH DOZD\V ODUJHU WKDQ WKH \$FUREDW 3') :ULWHU 3')V DQG GR HPEHG WKH IRQW 7KH IRQW QDPH LW XVHV LV DOZD\V XQUHFRJQLVDEOH WKRXJK OLNH 77(%% % W ,W PLJKW EH WKDW WKLV LVVXH LV UHODWHG \$FUREDW 3') :ULWHU QRW HPEHGLQJ IRQWV SURSHUO\ 9HULILFDWLRQ ZHOFRPH L H FKHFN HPEHGGHG IRQWV IRU \$FUREDW 3') :ULWHU DQG RWKHU 3') FUHDWRU GRFXPHQWV &RXOG WKLV KDYH VRPHWKLQJ WR GR ZLWK D FKDQJH LQ WKH QDPLQJ RI IRQWV" -XWV JXHVVLQJ KHUH WKRXJK

2ZHQ / H* DUH ' 7

&RP P HQW

, UHSO\ WR FRPPHQW
([SHULHQFLQJ WKH VDPH SUREOHP DIWHU LQVWDOOLQJ OR]LOOD :LQGRZV 8 :LQGRZV
17 HQ 86 UY *HFNR)LUHIR[ZKHQ ZKHQ SULQWLQJ WR
\$FUREDW 3'):ULWHU 7KLV SULQWHU XVHV 3').' ' //

3'):ULWHU ZRUNHG ILQH ZLWK)LUHIR[DQG ZRUNV RN ZLWK DOO RWKHU SURJUDPV
SUREO RFFXUV RQ ERWK ;3 ZLWK 63 DQG :LQGRZV ZLWK 63 7ULHG
SULQWLQJ ZLWK 3') LQVWHDG RI \$FUREDW 3'):ULWHU DQG WKH SDJHV SULQWHG RN

<RQJ 7VDL ' 7

&RP P HQW

([SHULHQFLQJ D VLPLodu SUREOHP SOHDVH XVH WKLV 85/ IRU UHIUHQFH
KWWS SURPR UHDOHVWDWH \DKRR FRP RQ WKH SDWK WR D KRXLQJ UHERXQG KWPO

8VLQJ \$GREH 3') DQG 3ULPR 3') SULQWHU GULYHUV DQG OR]LOOD DQG ,(IRU
FRPSDULVRQ ,I \RX FUHDWH [PDWUL[\RX JHW 3') RXWSXW ILOHV 2QH FDQ
GRZQORDG WKH 3ULPR3') IUHHZDUH IURP KWWS ZZZ SULPRSGI FRP

7KH OR]LOOD UHVXOWV DUH WKH VDPH DV WKH ,(XVLQJ WZR LGHQWLFDQ SULQWHU
GULYHUV QRW FRXQWLQJ WKH DFWXDO ILOH VL]H ,(RXWSXW FRQWDLQV DOO WKH
WH[W DQG PRVW RI LW LV LQWHOOLJLEOH 3DUUVW RI LW LV XQGHU JUDSKLFV IHDXUHV RI
WKH SDJH 7KH OR]LOOD RXWSXWV RQ\ KDYH WKH ILUVW SDJH RI WKH WH[W VR LW LV
WUXQFDWHG

6NLS 6WDXV ' 7

&RP P HQW

, P JHWWLQJ WKH VDPH SUREOHP ZLWK \$FUREDW 3'):ULWHU

— 1RM —

<RX QHHG VR RQJ LOEHIRU\ RX FDQ FRP P HQW RUP DNH FKDQJ HV VR VKLV EXJ

)UWWWDWW3UHY 1H[W 1R VHDLFK UHIXOWDYDLOEOR

)RUP DWWRUHUIOMOI :0/