

“

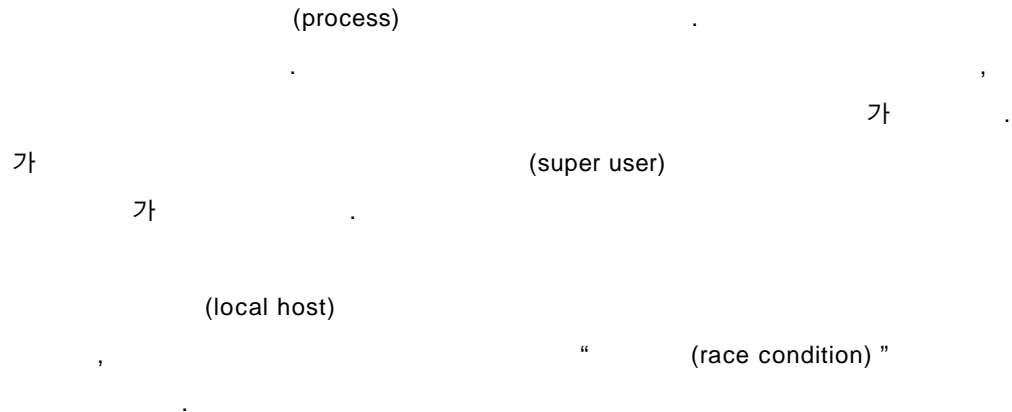
(race condition)”

---

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1.	.....	3
2.	?.....	3
3.	(symbolic link) .....	4
4.	“      ” 가?.....	5
5.	.....	5
5.1.	SunOS sendmail(/bin/mail).....	5
5.2.	Solaris 2.x ps(/usr/bin/ps) .....	6
5.3.	.....	6
6.	.....	7
7.	.....	7

1.



2.

?

(resource)

```

/*----- race condition EXAMPLE -----*/
void main(void)
{
    int childpid;
    static int a;

    if((childpid = fork()) > 0) { /*          */
        for(; a < 100; a++) {
            if (a % 2 == 0) { printf("O"); }
        }
        exit(0);
    }
    else { /*          */
        for(; a < 100; a++) {
            if (a % 2 == 1) { printf("X"); }
        }
        exit(0);
    }
}
/*-----*/

```

3. (symbolic link)

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```

    elm      autoreply      ,      /tmp      SETUID
arep.????      .      ,      /rhosts
    ,      /rhosts      "+ +"
    .

```

#### 4. “ ” 가?

```

    ?
    가?
    .
    autoreply      ,      .
    lstat()      ,      open()
    .      가      ,
    .
    lstat()      open()      가
    ,
    ,
    가?
    lstat()      , open()      가
    lstat()      ,
    가
    .
    가
    .

```

#### 5.

##### 5.1. SunOS sendmail(/bin/mail)

SunOS sendmail

/var/spool/mail/\$USER

```

. $USER
(chown)          가
.

/var/spool/mail          777          가
, /var/spool/mail          가
가
.

ftp          가
.          /var/spool/mail/ftp          가
'ln -s /.rhosts /var/spool/mail/ftp'
, ftp          !

sendmail lstat()
.          ,
/.rhosts          가
ftp
.

```

## 5.2. Solaris 2.x ps(/usr/bin/ps)

```

. Solaris 2.x          ps
,          (kernel)
/tmp          .          ps_data          ps          UID
SETUID          . ps_data
가 ps_data          /bin/sh
ps          ps_data          SETUID          /bin/sh
가          SETUID          .          /bin/sh
가          (shell)
.

```

## 5.3.

```

SunOS /usr/ucb/lpr
.          가
1000
.

```

6.

가 .  
 . 가  
 가 .  
 ✖ , .  
 , 가 가 .  
 . 가  
 .  
 ✖ , create open .  
 가 가 ,  
 가 가 .  
 . C open( 'file', O\_CREATE | O\_EXCL) '

7.

가  
 , .