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```

    enter execute into  $a[q,s]$ ;
if write in  $a[p,s]$  and copy in  $a[p,s]$ 
then
    enter write into  $a[q,s]$ ;
if read in  $a[p,s]$  and copy in  $a[p,s]$ 
then
    enter read into  $a[q,s]$ ;
delete copy in  $a[q,s]$ ;

```

c) Q would then have copy rights to transfer to another subject, which may not be intended.

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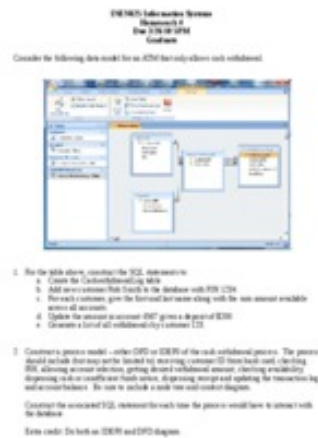
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class messages {

Public deposit(int processed, String message);

Public int willaccept(int processed);

...

}

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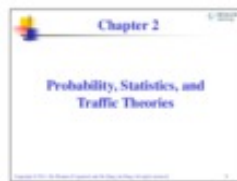
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The method *willaccept* returns 1 if the named process will accept messages, and 0 otherwise. Write a constraint for this policy using Pandey and Hashii's policy constraint language as described in the first example in Section 4.5.1.

deny (\rightarrow Messages.deposit) when (Messages.willaccept() == 0);

7. Use DTEL to create a domain *d_guest* composed of processes executing the restricted shell

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```
type t_sysbin, t_guest
domain d_guest = (/usr/bin/restsh);
(rx-> t_sysbin);
(rd->t_guest);
```

8. Suppose one wishes to confirm that none of the files in the directory */usr/spool/lpd* are world readable.

b. What would the second field of the RIACS database contain?

c. *Tripwire* does not provide a wildcard mechanism suitable for saying, “all files in the directory */usr/spool/lpd* beginning with *cf* or *df*.” Suggest a modification of the *tripwire* configuration file that would allow this.

b) The second field of the RIACS database contains the permissions of the directory. The field must have the last digit less than 4 since it represents world permission with read as the first bit.

c) To support wildcard, we could let *tripwire* configuration file support a pattern, such as */usr/spool/lpd/[cd]f**.