

17.9

Consider the following simple transaction T :

```
read(A)
A = A + 30
write(A)
```

Assume that the initial value of A is 0, and that T crashed right after the writing statement. Further assume that T had already modified the value of A to 30, but it had not created a log record for the writing at the crash time. So, when the system is restarted, it would mistakenly think that T did not make any change to the database, and hence, would not be able to un-do the writing.