- T: x= read(j); y = read(i); write(j, 44); write(i, 33)
- U: x= read(k); write(i, 55); y = read(j); write(k, 66)

Strict execution:

Not strict but no dirty reads:

1

Transaction T:	Transaction U:	Transaction T:	Transaction U:
x = read(j) y = read(i)	x = read(k)	x = read(j) y = read(i)	x = read(k)
write(j, 44) write(i, 33) commit		write(j, 44) write(i, 33)	writali EE)
	write(i, 55) y = read(j) write(k, 66)	commit	write(i, 55) y = read(j) write(k, 66)

With dirty reads:

Transaction T:	Transaction U:	Transaction T:	Transaction U:
x = read(j) y = read(i)		x = read(j)	x = read(k)
write(j, 44)	x = read(k)	y = read(i)	write(i, 55)
write(i, 33)	write(i, 55)		y = read(j) write(k, 66)
commit	y = read(j)	write(j, 44)	commit
	write(k, 66)	write(i, 33)	

- T: x= read(i); write(j, 44);
- U: write(i,55); write(j, 66).

T's locks U U's locks T lock i x = read(i)unlock i lock i write(i, 55) lock j write(j, 66) unlock i, j commit lock j write(j, 44) commit unlock j

- In 2PC: the 'uncertain' period occurs because a worker has voted yes but has not yet been told the outcome. Such a participant cannot decide unilaterally what to do next and its resource cannot be released for use by other transactions.
- In 3PC: the workers 'uncertain' period lasts from when the worker votes yes until it receives the PreCommit request. At this stage, no other participant can have committed. Therefore, if a group of workers discover that they are all 'uncertain' and the coordinator cannot be contacted, they can decide unilaterally to abort.