

Time 5

Node1 finally finds out that at the time 3 there was transaction with bigger hash. It synchronises its DB and then applies invalid transactions again.

Update Teacher

bbd7a...

Update Student
Create Subject

cd735...

Create Teacher

e9977...

Both nodes are now synchronized. Node2 performs another transaction normally.

Create Subject

b9ac0...

Update Student

bdd5a...

Node1 still does not know about e9977 version of database so it publishes new version based on bdd5a.

Both nodes add transactions and publish new version of DB. Node2 wins this time, because its transaction has bigger hash.

Time 4

Time 3

Time 2

Time 1

Node2 removes record from table Subject.

Delete Subject

627fc...

Node1 inserts into the table Student.

Create Student

03c7...



Node1



Node2