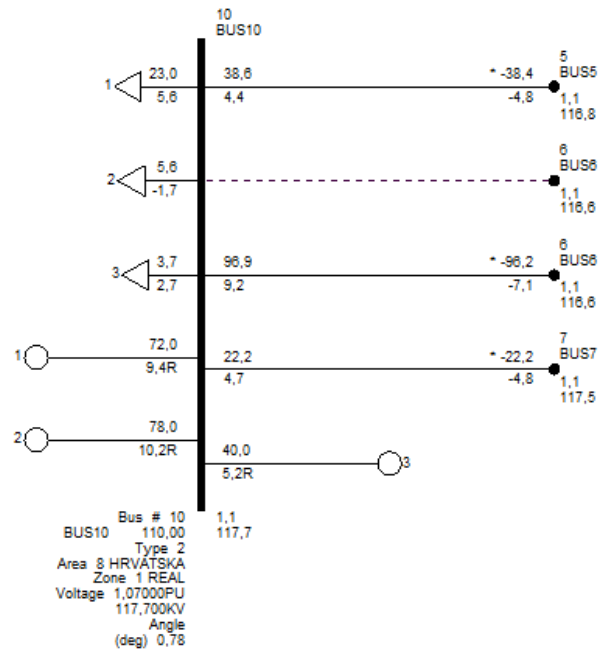


### DEMO LOCATION 3

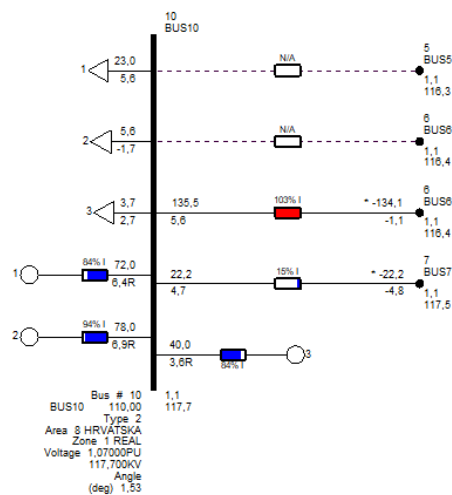
Let's assume following scenario:

1. machine on BUS 10 increase production to maximum (72MW ; 78 MW and 40 MW),
2. the transmission line between buses BUS10 and BUS6(1) is disconnected due to maintenance.



Then the N-1 criterion is compromised:

- In case of tripping transmission line between BUS10 and BUS5 it leads to an overload of the transmission line between BUS10 and BUS6 (2) of 103%.



By redispatching the generators on BUS10 the observed congestion is eliminated.