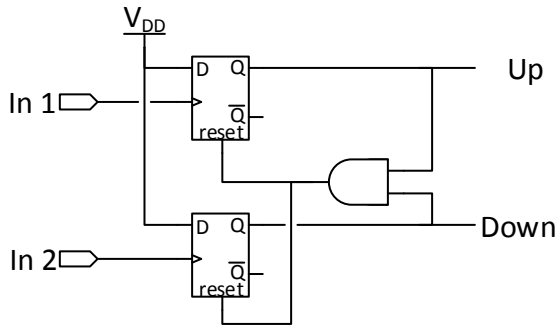


## Type 2 phase detector

Phase comparator



Charge pump

