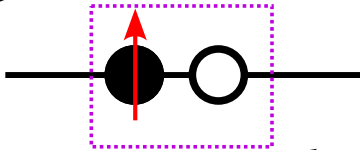
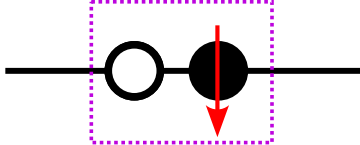


***particle pair***



***quasiparticle***