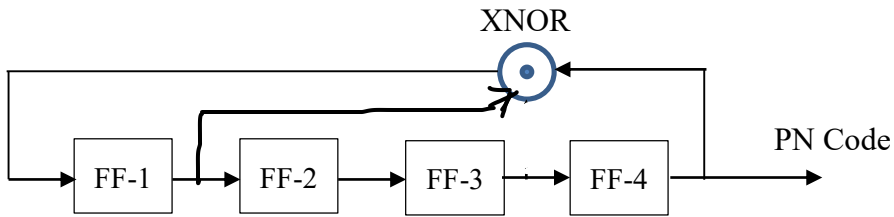


## Questions on DSSS-BPSK

**Q-1:** Find the PN Code if FF1=0, FF2=1, FF3=0, FF4=1



**Q-2:** Draw the (PSD) Spectrum of PN code generated in Q-1, provided PN bit frequency is 97.5 kHz.

**Q.3:** Draw the Spectrum of DS-BPSK signal, if carrier frequency is 487.5 kHz.

**Q.4:** Prove that if  $SP = \text{XNOR}(m, PN)$  then  $m = \text{XNOR}(SP, PN)$ . SP: SP code bit, m: message bit, PN: PN code bit