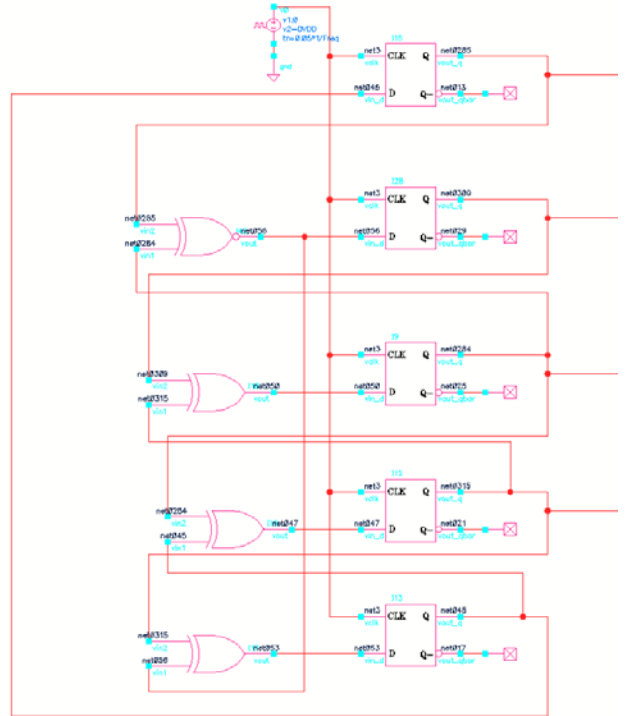
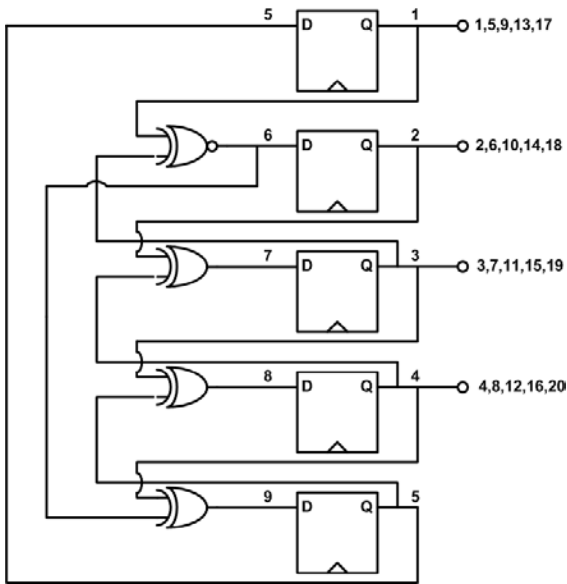


4 bit Parallel PRBS Generation



Data 1[n-1] = D5 [n]
Data 2 [n-1] = XNOR (Data1[n], Data3[n])
Data 3 [n-1] = XOR (Data2[n],Data4[n])
Data 4 [n-1] = XOR (Data3[n], Data5 [n])
D5 [n-1] = XOR (Data4[n], XNOR (Data1[n+1], Data3[n+1]))
D5 internally used for 4 bit Parallel PRBS generation.

1. To generate 2.5Gbps data, 2.5GHz Clock has to be connect to the clock of DFF
2. Ideal Logic components (DFF, XNOR, and XOR gate) have in ahdLib, which we are getting for random generation component

