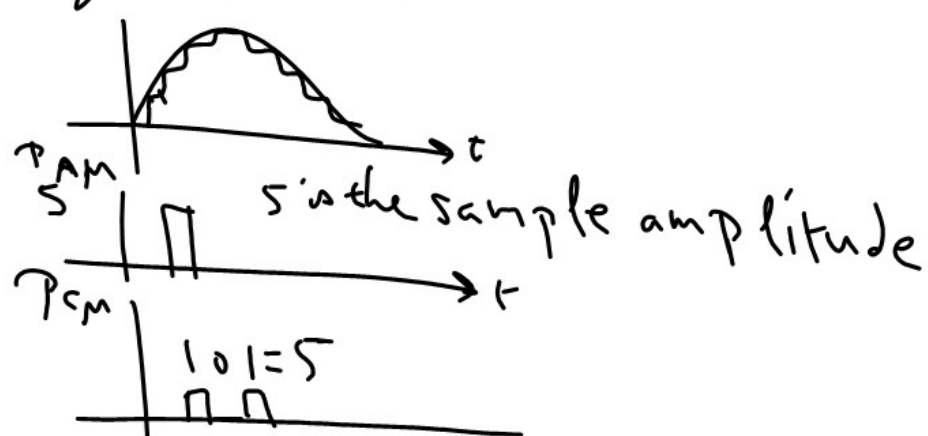


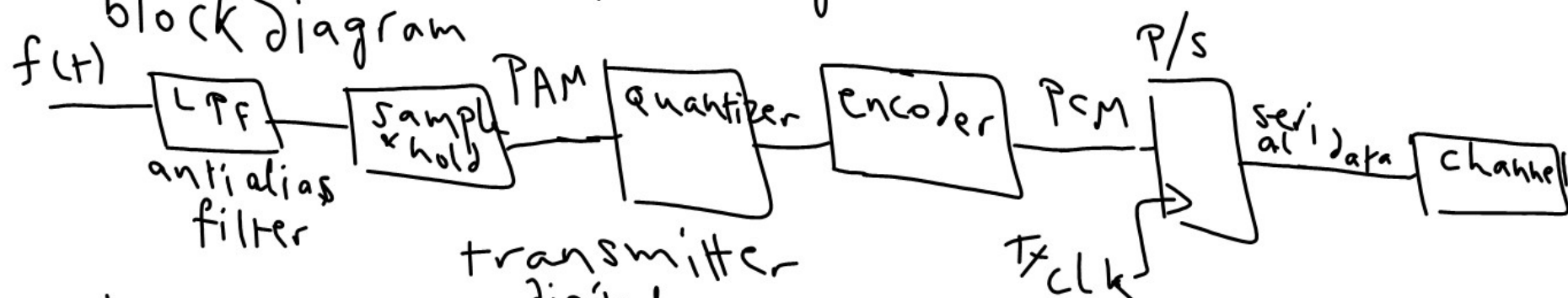
pulse code modulation PCM

- * In pulse code modulation a sampled signal which is represented by PAM signal is quantized and represented by a certain discrete number of bits as illustrated in the quantization lecture

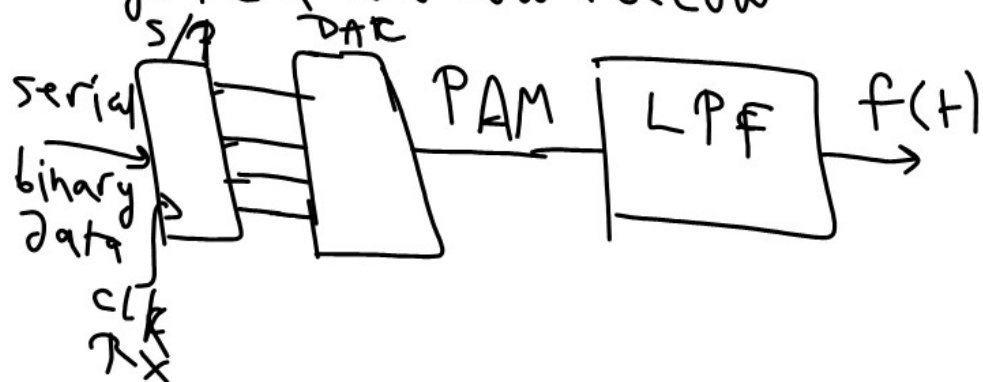


- * In digit base band communication system information signals such as voice or video can be transmitted as binary PCM pulse

- * The block diagram for the digital communication system is illustrated by the following block diagram

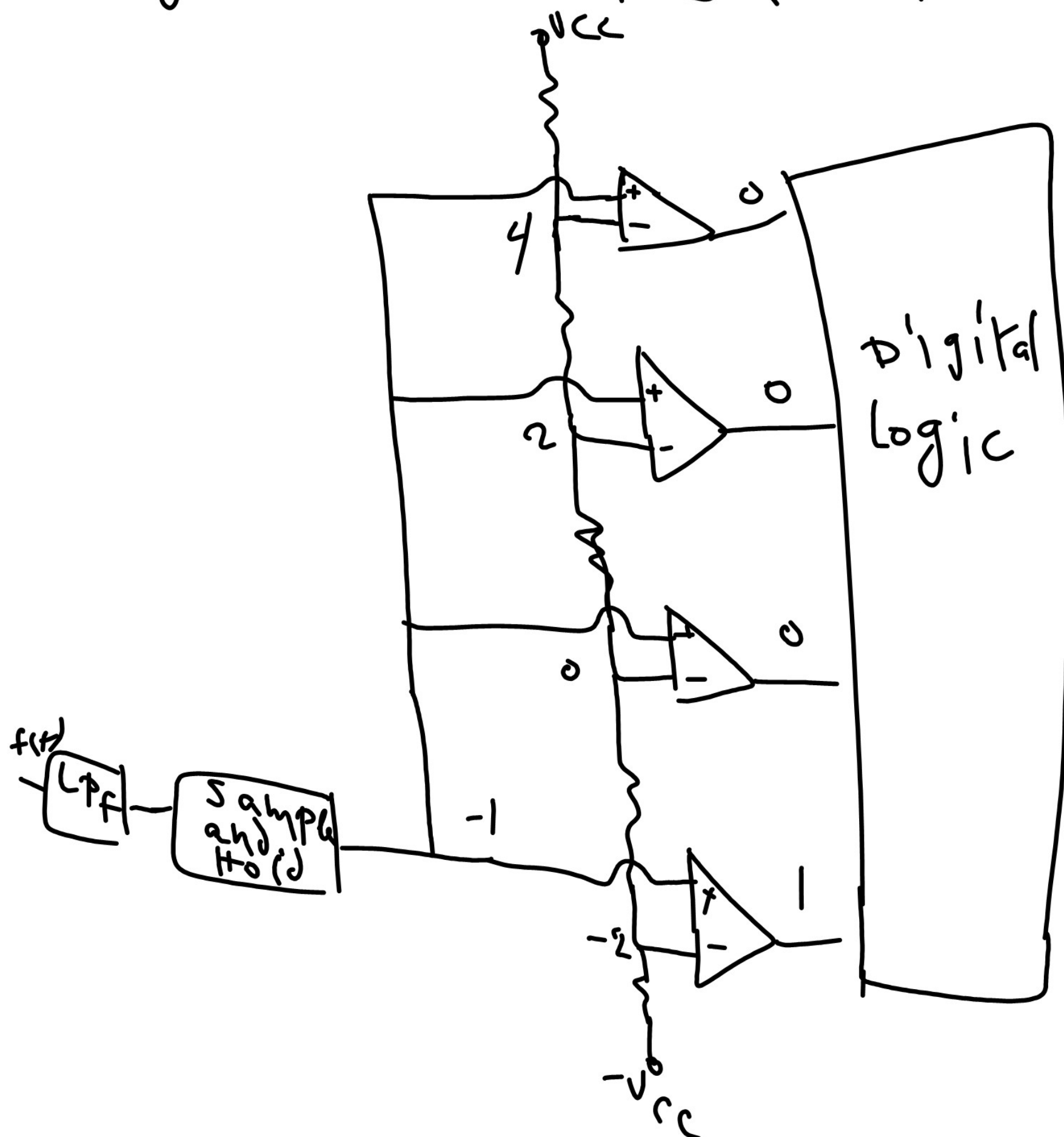


- * The receiver in digital communication system is shown below



Quantizer circuit

quantizers can be implemented by the circuit shown below



Line codes

- * In digital logic circuits or communications there are ways to represent logic one and zero
- * These ways are known as line codes
- * Although there are many line codes only five line codes will be considered

