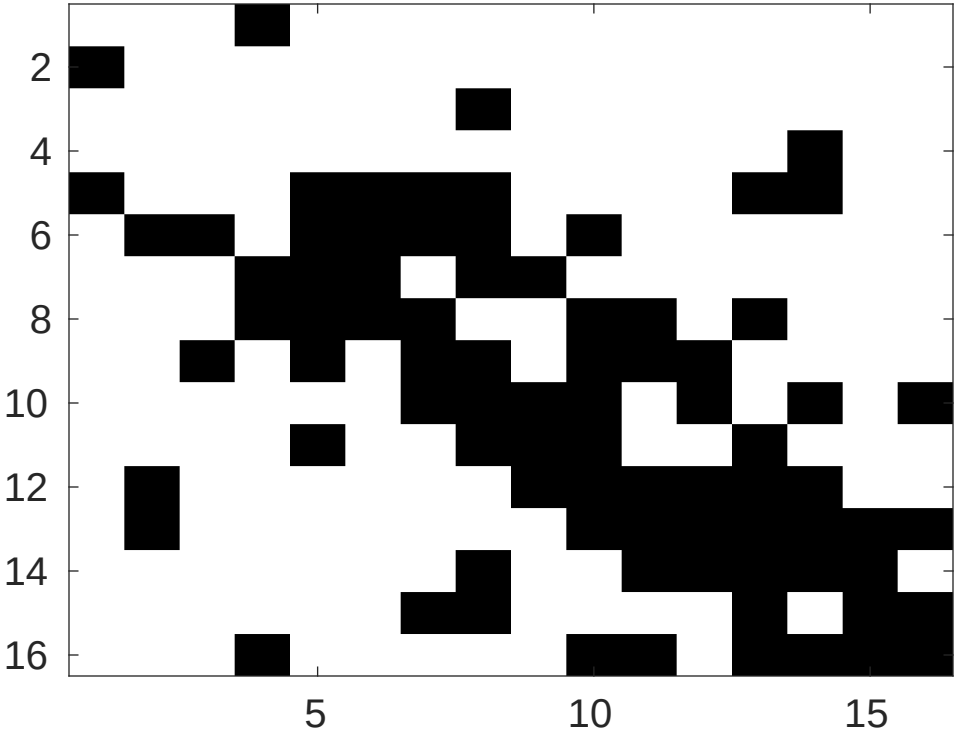Independent Decoding