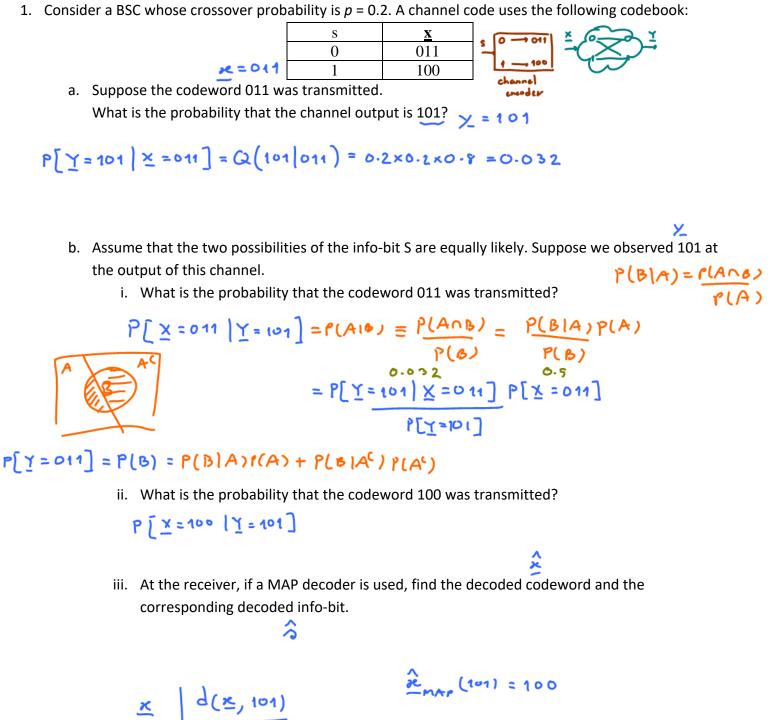
ECS 452: Additional Example

1. Consider a BSC whose crossover probability is p = 0.2. A channel code uses the following codebook:



$$\frac{\mathbf{x}}{\mathbf{0} + \mathbf{1}} = 1$$

$$\frac{\mathbf{x}}{\mathbf{0} + \mathbf{1}} = 1$$

$$\frac{\mathbf{x}}{\mathbf{1} + \mathbf{1} = 1$$

$$\frac{\mathbf{x}}{\mathbf{1} = 1$$

$$\frac{\mathbf{x}}{\mathbf{1} + \mathbf{1} = 1$$

$$\frac{\mathbf{x}}{$$