6.2.

$$\begin{array}{l} \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right) \quad 0 \leq t \leq T_{i} \\ \mathcal{L} = \int_{-L}^{2} \cos\left(2\pi t ct\right)$$

Similarly, $P_{10} = \frac{1}{2} \operatorname{ertc} \left(\int \frac{\cos \theta \, E_b}{N_0} \right)$ Thus, the average error probability is $\frac{1}{2} \operatorname{ertc} \left(\int \frac{\cos \theta \, E_b}{N_0} \right)$

分け)=)= co>[122-1)=]co>[2本fet)-「= sin[22-1)=)sin(2本fet) 6.5. (a) 11 00 10 binary sequence in phase (tivst hit) quadrature (second hit) (b) HAMAIN AIN

We know that the outputs of in-phase and quadrature components are independent

Thus, the converage probability of symbol correct overall system is

1

Step 1	Phase Ok.	Input Di hit	Phose Change Obe	Transmitted Oh
	0	ol	31/4	3 TV/4
2	317/4	10	=10/4	14/2
3	11/2	10	$-\overline{n}/4$	11/4
4	14	00	12/4	11/2

