



$$E_{A-RTT}(0+1) = 0.9 \times 1 + 0.1 \times 1$$

$$i) \quad = 1 \text{ sec}$$

$$E_{A-RTT}(1+1) = 0.9 \times 1 + 0.1 \times 2$$

$$= 1.2 \text{ sec}$$

$$E_{A-RTT}(2+1) = 0.9 \times 1.2 + 0.1 \times 3$$

$$= 1.38 \text{ sec}$$

$$E_{A-RTT}(3+1) = 0.9 \times 1.38 + 0.1 \times 4$$

$$= 1.642 \text{ sec} //$$

ii)

$$E_{A-RTT}(0+1) = 0.25 \times 4 + 0.75 \times 3$$

$$= 3.25 \text{ sec}$$

$$E_{A-RTT}(1+1) = 0.25 \times 3.25 + 0.75 \times 4$$

$$= 3.8125 \text{ sec}$$

$$E_{A-RTT}(2+1) = 0.25 \times 3.8125 + 0.75 \times 5$$

$$= 4.703 \text{ sec}$$

$$E_{A-RTT}(3+1) = 0.25 \times 4.703 + 0.75 \times 6$$

$$= 5.68 \text{ sec}$$