$$T(n) = (AT(\frac{n}{2}) + (Q_{1}))$$

$$=) O(n^{\log_{2}4}) = O(R) (A(R))$$

$$= (P(R) Q_{1}(R) + P_{1}(R)) (A(R))$$

$$= (P(R) A_{1}(R)) - P(R) Q_{1}(R)$$

$$= (P(R) + P_{1}(R)) (A(R)) - P(R) Q_{1}(R)$$

$$= (P(R) + P_{1}(R)) (A(R)) - P(R) Q_{1}(R)$$

$$= (P(R) + P_{1}(R)) (A(R)) - P(R) Q_{1}(R)$$

$$= (P(R) + P(R)) (A(R)) - P(R) Q_{1}(R)$$

$$= (P(R) + Q_{1}(R)) + Q(R)$$

$$= (P(R) + Q_{1}(R)) + (P(R)) + (P(R))$$

