$$Q_{2}: A. T(n) = \frac{1}{2} \frac{1}{2} + T(\frac{1}{6}) + T(\frac{1}{3}) + O(n^{2})$$

$$= 2T(\frac{1}{6}) + T(\frac{1}{3}) + O(n^{2})$$

$$= 2T(\frac{1}{6}) + T(\frac{1}{3}) + O(n^{2})$$

$$= 2T(\frac{1}{6}) + T(\frac{1}{3}) + O(n^{2})$$

$$= 0(n^{2})$$

$$= 0(n^$$

= g(n²)