1.
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2.
$$T(n) = 8T(\frac{5}{3}) \cdot 3n$$
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$$= T(n-2) + (n-1)^{2} + n^{2} // > 3J T(n-1) = T(n-2-1) + (n-2)^{2}$$

$$= T(n-3) + (n-1)^{2} + (n-1)^{2} + n^{2}$$

$$= T(n-3) + (n-1)^{2} + (n-1)^{2} + n^{2}$$

$$= T(n-1) + \sum_{j=0}^{i-1} (n-j)^{2} = \sum_{j=0}^{n-1} (n-j)^{2} = \sum_{j=$$

5. T(n)= T(n-1)+n2// >.3)

T(N-1) = T(n-1-1) +(n-1)2