(5)
$$\int_{S} n t \ln m = 0 : T(0) = C$$
 $m = 1 : T(1) = d$
 $m > 1 : T(m) = T(m-2) + T(m-1) + O(1)$
 $T(m) = T(m-2) + T(m-1) + C$
 $T(m) = T(m-2) + T(m-1) + C$
 $T(m-1) = T(m-2) + T(m-1) + C$
 $C = 2 \cdot C$

$$\begin{array}{ll}
\Rightarrow T_{1} = e\left(2^{m-1}\right) & \Rightarrow & T_{2} = e\left(2^{\frac{m}{2}-1}\right) \\
\left(2^{\frac{m}{2}-1}\right)e < T(m) < e(2^{m}-1) & \\
\left(2^{m}-1\right)e < T(m) < e(2^{m}-1) & \\
\Leftrightarrow T(m) \in \Theta(2^{m})
\end{array}$$