5.
$$T_{A}(m) = T_{A}(m/2) + m^{2}$$
 $K = T$
 $m = 2$
 $d = 2$
 $T_{A}(m) = T_{A}(m/2) + m^{2}$
 $T_{A}(m) = T_{A}(m/2) + m^{2}$

$$= \frac{1}{2} \Theta(m^{20} g_{2}^{\frac{1}{2}})$$

$$= \frac{1}{2} O(g_{2}^{\frac{1}{2}} = 2,8)$$

$$= \frac{1}{2$$