

$\Theta(1)$, $\Theta(\log \log m)$, $\Theta(\log m)$, $\Theta(\sqrt{m})$, $e > 1$, $\Theta(m)$,
 $\Theta(m \log m)$, $\Theta(m^e)$ $m > 1$, $\Theta(e^m)$ $e > 1$, $\Theta(m!)$, $\Theta(m^m)$