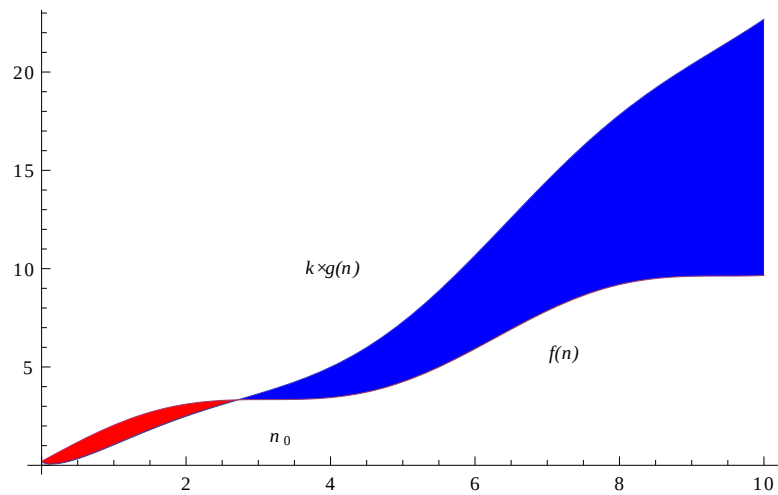


```
Plot[{Sin[x] + x Log[x] + 0.2, Sin[x] + x + 0.2},
{x, 0.01, 10}, Filling -> {1 -> {2}}, FillingStyle -> {Red, Blue}]
```



$f \in O(g) \Leftrightarrow$
 $\exists K > 0, \exists n_0 \in \mathbb{N}, \forall n \geq n_0, f(n) \leq K \cdot g(n)$