5.1

5.2

1

$0 \Rightarrow 2^1 = 2$

$1 = s0 \Rightarrow 2^2 \cdot 3^1 = 12$

$2 = ss0 \Rightarrow 2^2 \cdot 3^2 \cdot 5^1 = 210$

$3 = sss0 \Rightarrow 2^2 3^2 5^2 7 = 6300$

2 Every integer has a unique prime factoring. There's a 1:1 correspondence between prime factorings and Gödel numbers. Therefore, every integer has unique Gödel #.