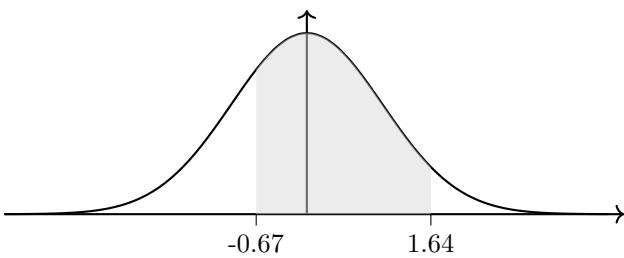


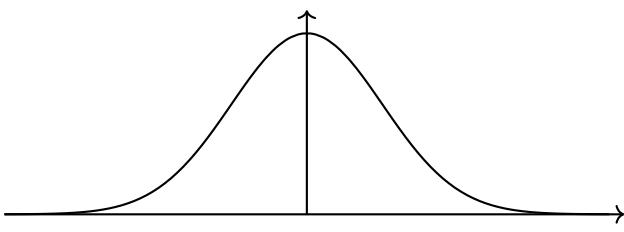
**例 1** 確率変数  $Z$  が標準正規分布に従うとき、  
 $P(-0.67 \leq Z \leq 1.64)$  を求めよ。



$$\boxed{\text{答}} \quad P(-0.67 \leq Z \leq 1.64) =$$

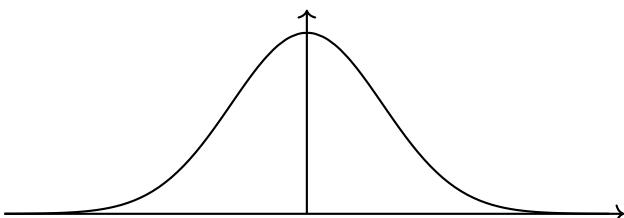
**問 1** 確率変数  $Z$  が標準正規分布に従うとき、次の確率を求めよ。

$$(1) \quad P(0 \leq Z \leq 1.5)$$



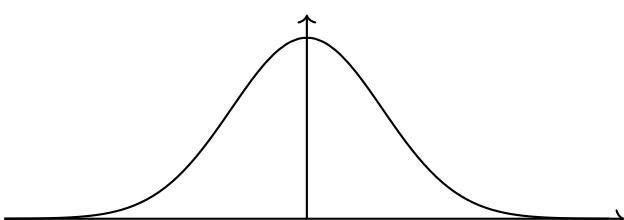
答  $P(0 \leq Z \leq 1.50) =$

$$(2) \quad P(-1.56 \leq Z \leq 0.54)$$



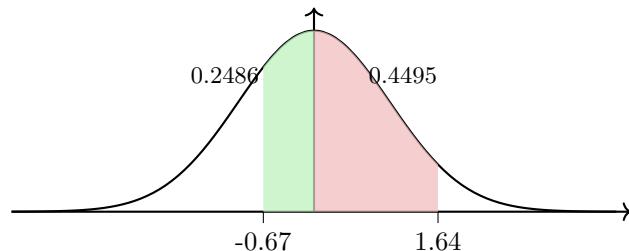
$$\boxed{\text{答}} \quad P(-1.56 < Z < 0.54) =$$

$$(3) \quad P(1 \leq Z \leq 2)$$



答  $P(1 \leq Z \leq 2) =$

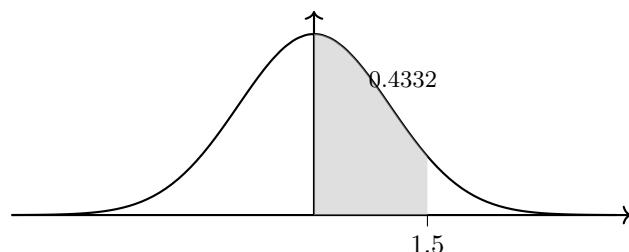
**例 1** 確率変数  $Z$  が標準正規分布に従うとき、  
 $P(-0.67 \leq Z \leq 1.64)$  を求めよ。



$$P(-0.67 \leq Z \leq 1.64) = 0.2486 + 0.4495 = 0.6981$$

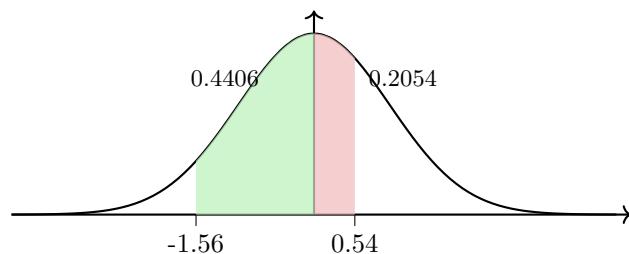
答  $P(-0.67 \leq Z \leq 1.64) = 0.6981$

$$(1) \quad P(0 \leq Z \leq 1.5)$$



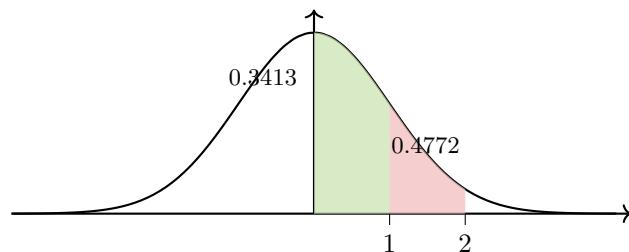
$$(2) \quad P(-1.56 \leq Z \leq 0.54)$$

0.4406



$$P(-1.56 \leq Z \leq 0.54) = 0.4406 + 0.2054 = 0.6460$$

$$(3) \quad P(1 \leq Z \leq 2)$$



$$P(1 \leq Z \leq 2) = 0.4772 - 0.3413 = 0.1359$$

答  $P(1 \leq Z \leq 2) = 0.1359$