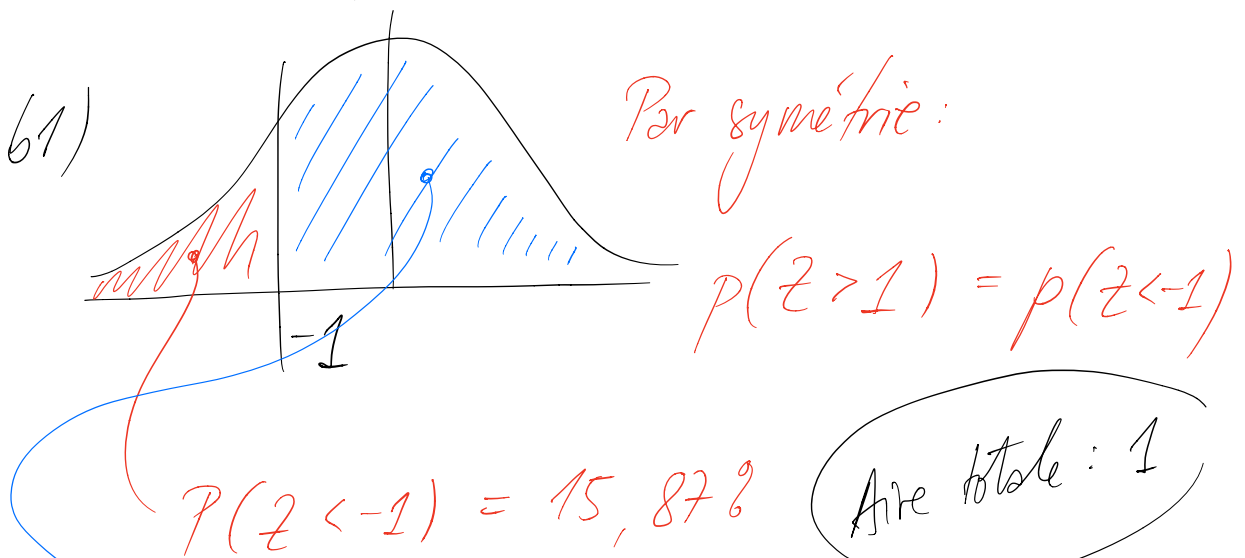


D'après la table de  $N(0; 1)$ , on a

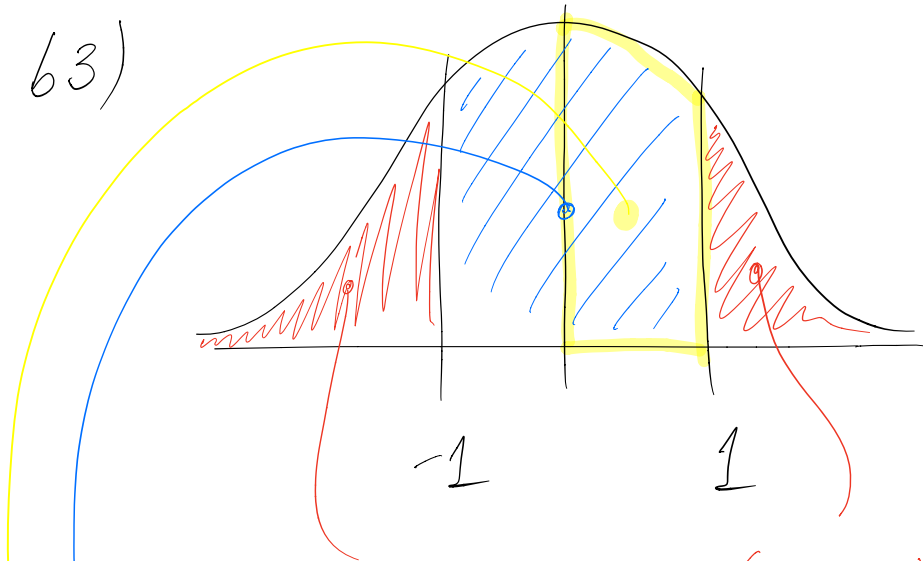
$$P(Z < 1) = 0,8413$$

$$\Rightarrow P(Z > 1) = 1 - 0,8413 = 0,1587$$



62)  $P(Z > -1)$  est donc  $1 - P(Z < -1) = 84,13\%$

63)



$$p(z < -1) = p(z > 1) = 0,1587$$

$$p(-1 < z < 1) = p(|z| < 1)$$

$$= 1 - 2 \cdot 0,1587$$

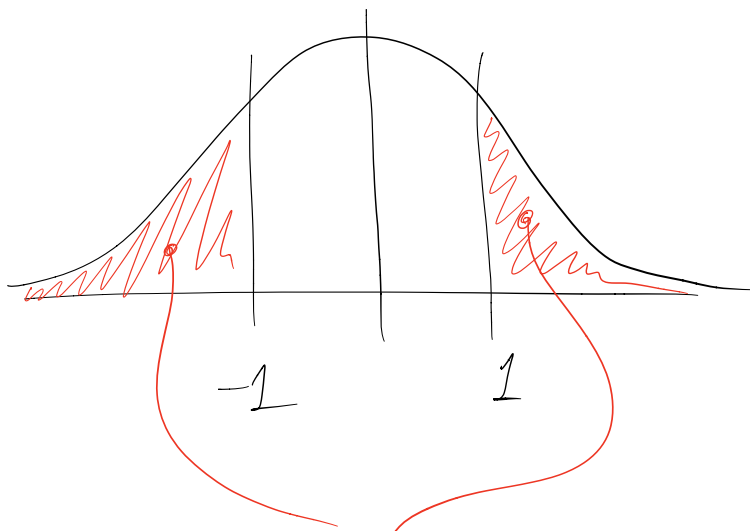
$$= 1 - 0,3174$$

$$= 0,6826 = 68,26\%$$

64)  $p(0 < z < 1)$  = « la moitié de la surface bleue de 63 »

$$= 0,5 \cdot 0,6826 = 0,3413 = 34,13\%$$

65)



$$P(|z| > 1)$$

$$P(|z| > 1) = 1 - P(|z| < 1)$$

$$= 1 - P(-1 < z < 1)$$

Calculée en 63

$$= 1 - 0,6826$$

$$= 0,3174 = 2 \cdot P(z > 1)$$

$$= 2 \cdot 0,1587 = 31,74\%$$