~~cstdlib~~

$x \leftarrow x + 4 \quad \% 3 \qquad 1\ 2\ 0\ 1\ 2$

$x \leftarrow x + 17 \quad \% 13 \qquad 1\ 5\ 9\ 13\ 0\ 4\ 8\ 12$

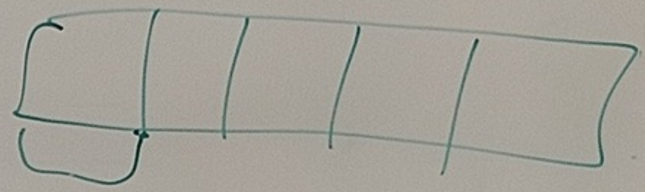
42

Jakie jest p, że na 10 rzutów monetą 5 razy wypadnie orzeł?

W domu

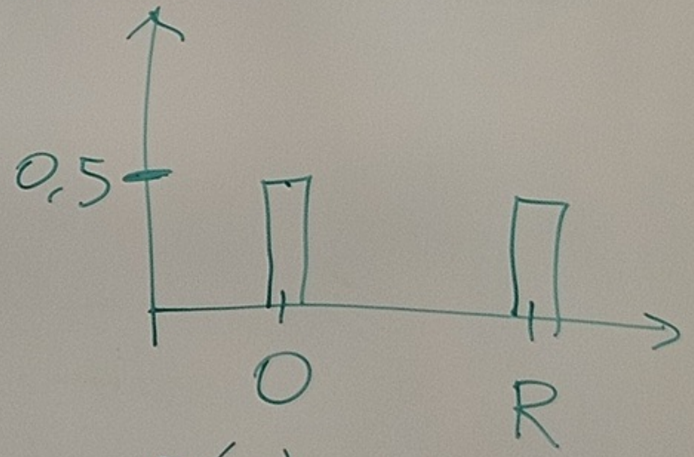
```
double tab[n]
const vector<double>& tab
```

tab[3]



OOORROORRRO

OOOOOORRRR



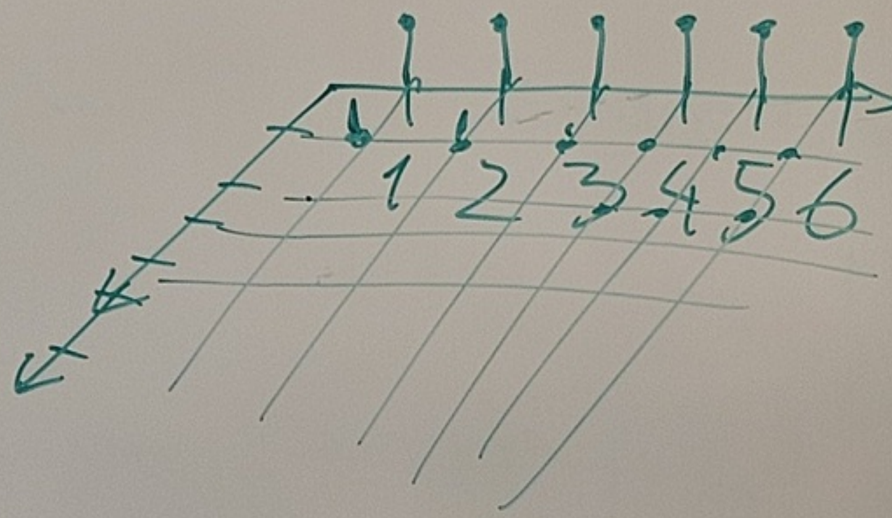
$P(O) = \ldots$

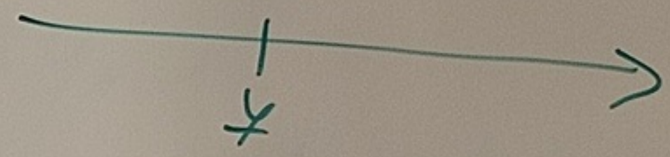
$P(R) = \ldots$

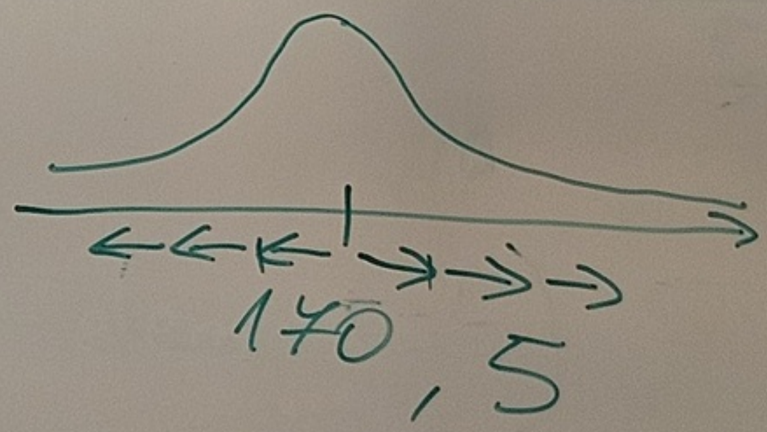
$p(A \mid B)$

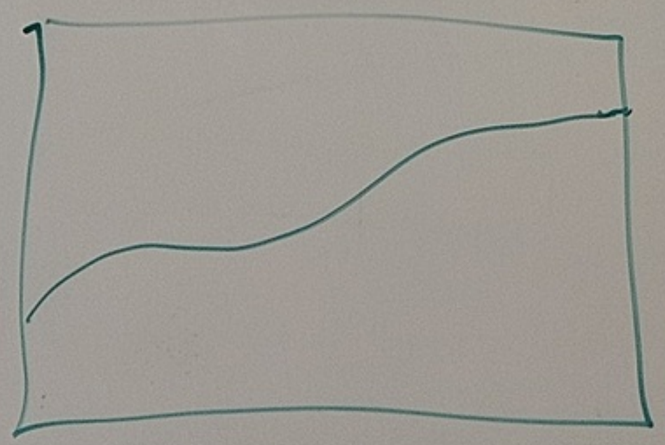
#include <iomanip>

cout << fixed << setprecision(10);



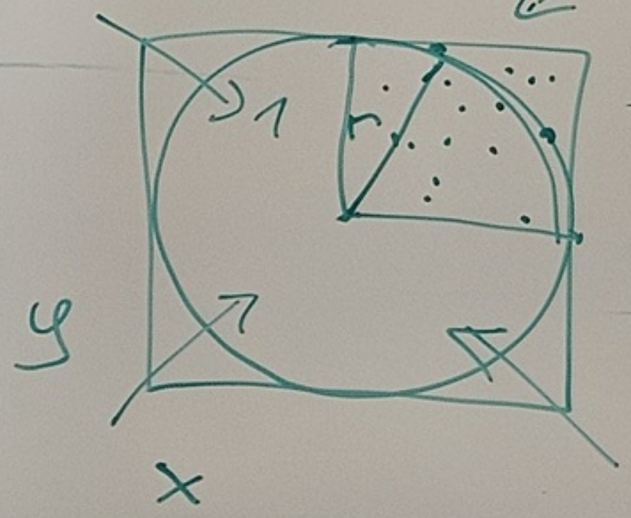






$\approx \pi$

$P = \pi r^2$



$\sqrt{x^2 + y^2} = r$

$x^2 + y^2 = r^2$

$x^2 + y^2 \leq 1$

uniform

los (0, 1)

raz + dwa + ...

aż > 1

ile średnio razy rzucić

aby ≥ 1

0.8 + 0.16 + 0.4

0.1 + 0.92

Metoda Monte-Carlo