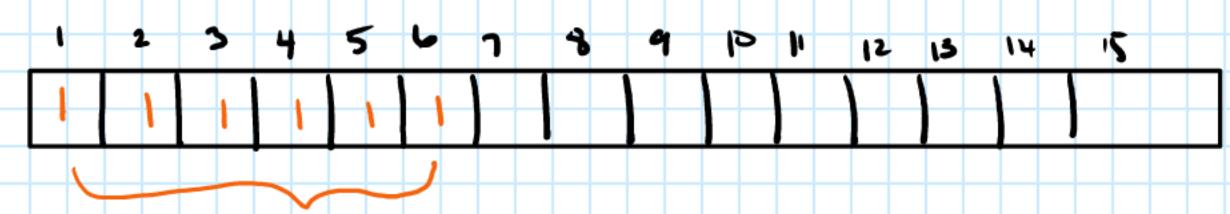
Monday, October 30, 2023

12:09 AM

40% vector filled

$$C(n,r) = \binom{n}{r} = \frac{n \cdot n}{r!(n-r)!}$$

Probability 5 bits all fall within the filled section?



$$C\left(\frac{40}{5}\right) = \frac{40!}{5!35!}$$

658,008

possible
ways to
fill the
40% filled
section
of the
Vector