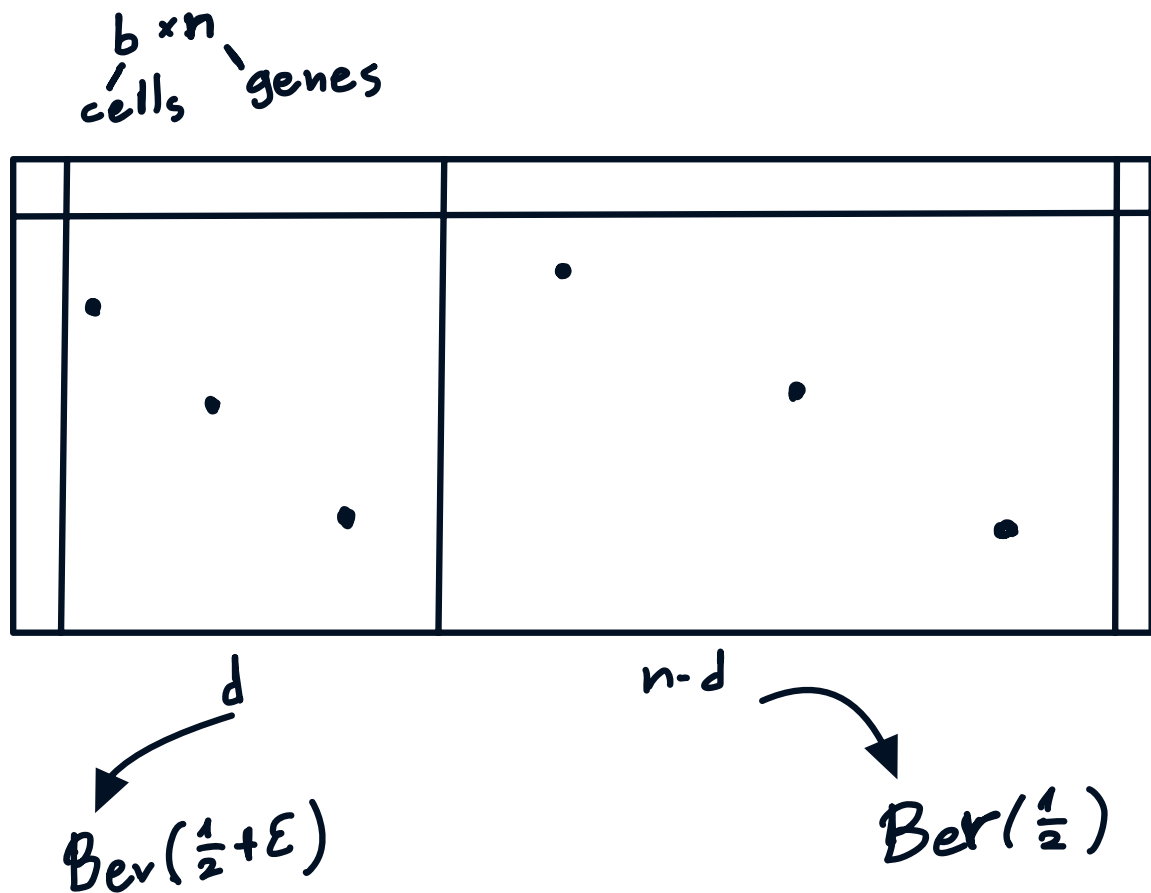


Synthetic Data For Gene-Perm

Synthetic Data

① Block help but columns don't matter



- Switch one of the $\overset{\text{left}}{d}$ columns with one of the right $n-d$ columns
- the larger is the block size, b , the easier is the task
- However, since columns are independent, revealing more columns doesn't help

② columns help and ^{only} few blocks are necessary

$b \times n$
cells genes

	.	.	.
	.	.	.
	.	.	.

d

$n-d$

for each
row, choose
 $d/2 \pm 1$ w.o.
replacement

$\text{Ber}(\frac{1}{2})$