Reintroducing Probability
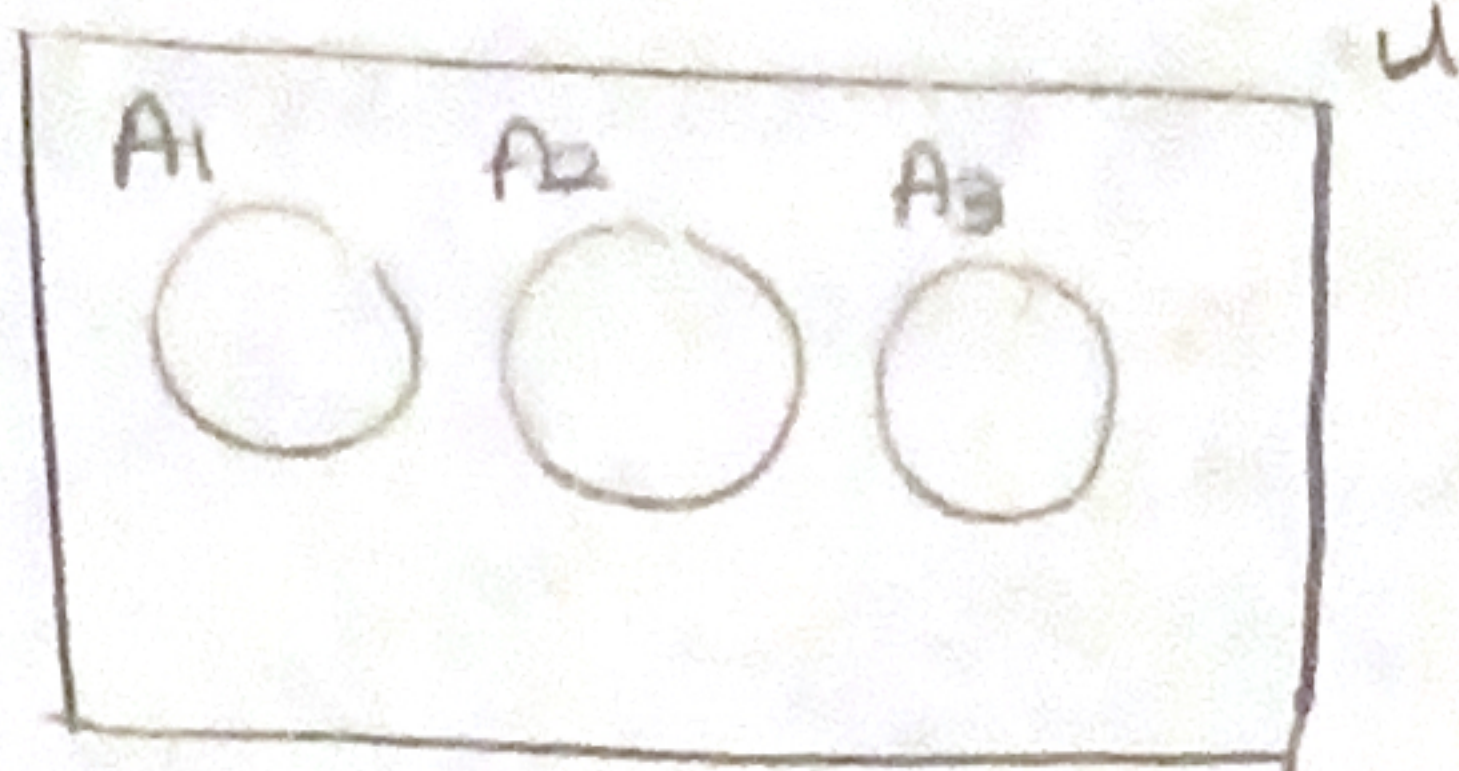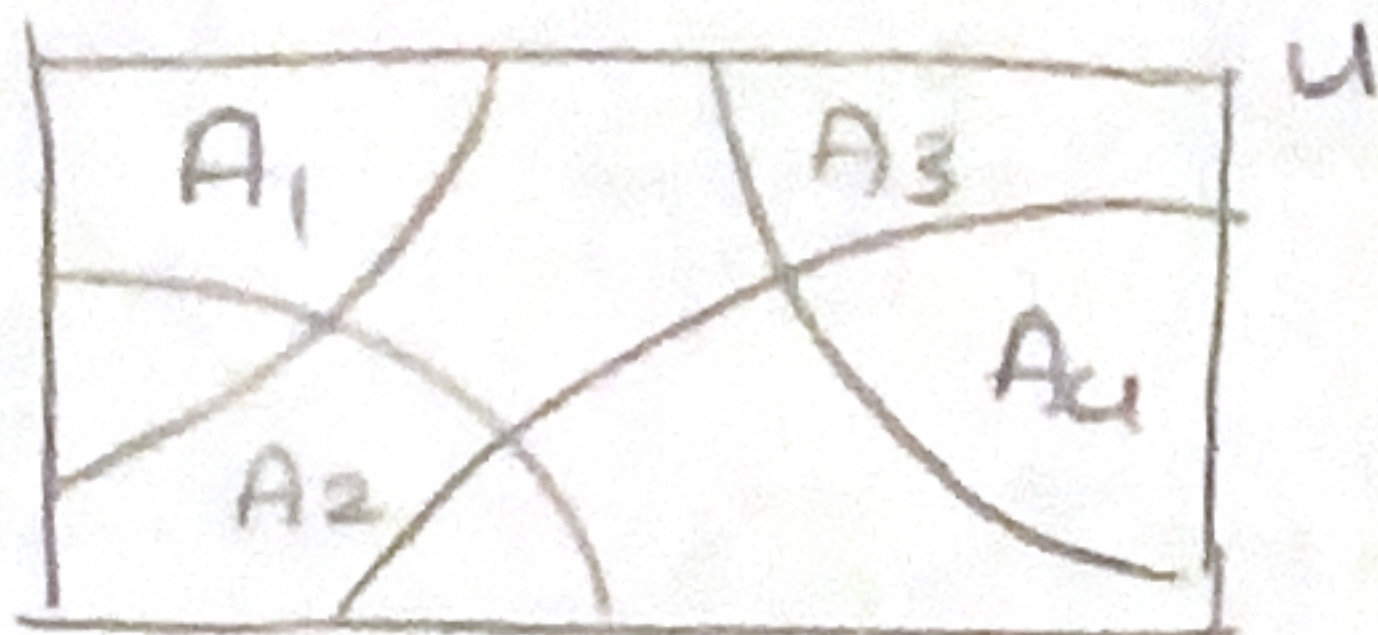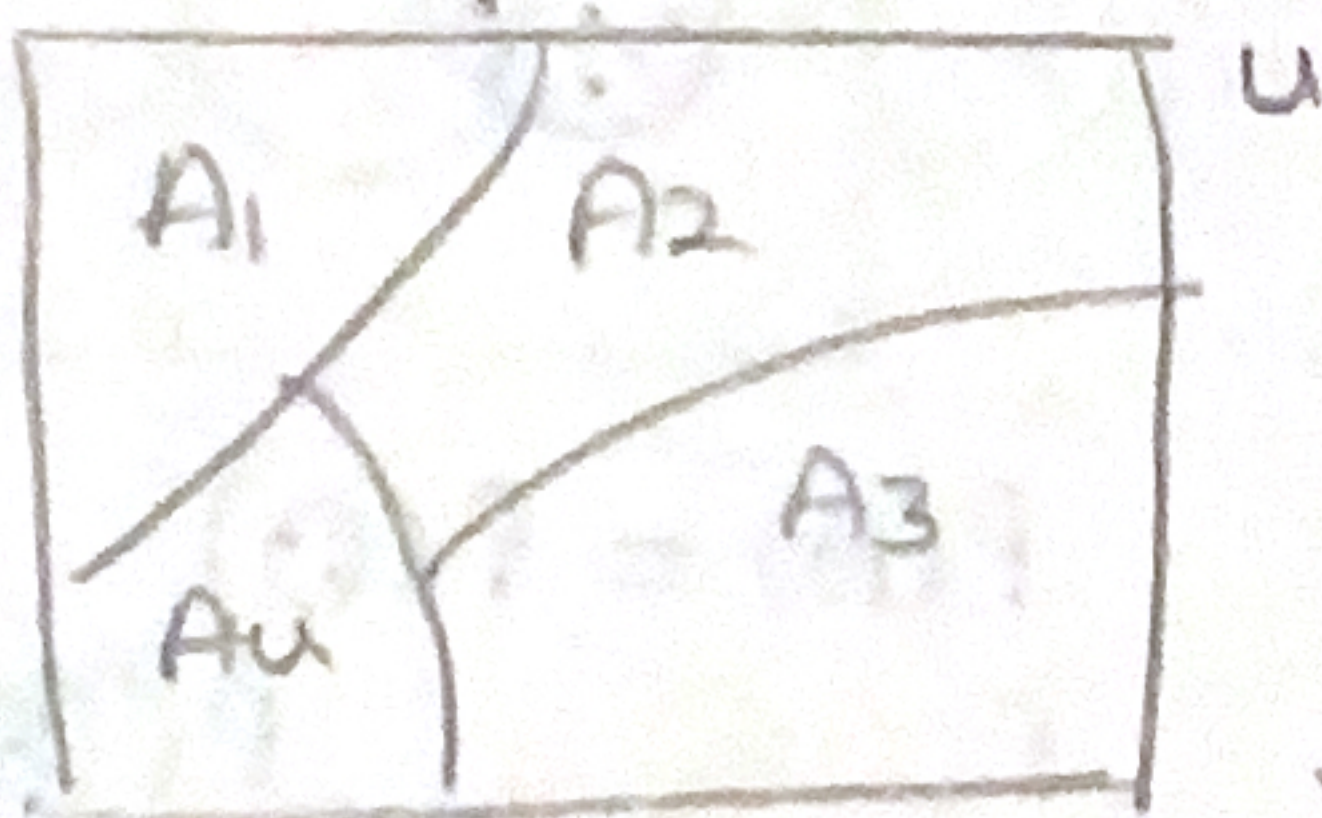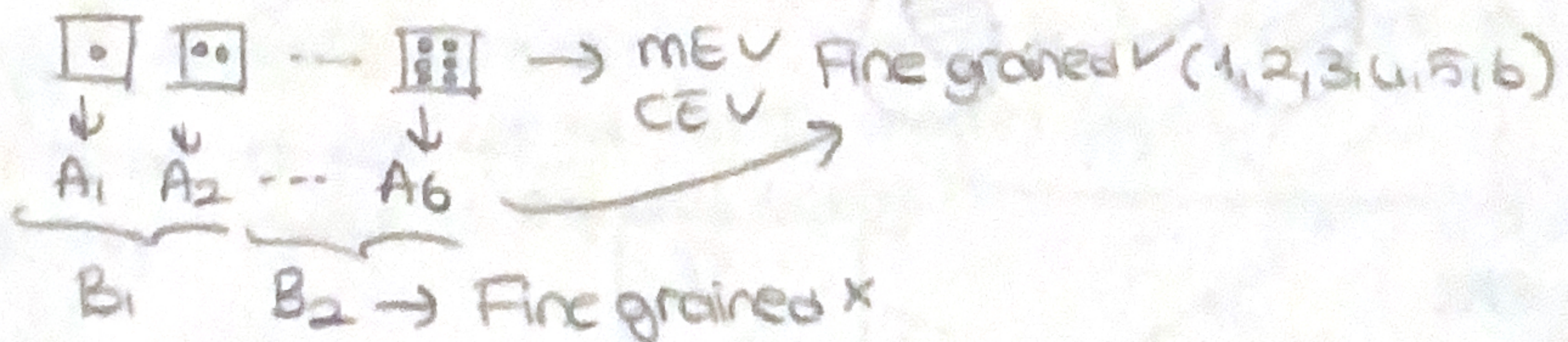

- Mutually exclusive ✓
- Collectively exhaustive ✗

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→ Partition

→ Biri olurken diğeri olamaz
   Sadece bunlar olabilir.

Fine-grained partitions → Sample Space

→ ME ✓ Fine grained ✓ $(1,2,3,4,5,6)$
   CE ✓

B_1 B_2 → Fine grained ✗

Given $\{A_1, A_2 \dots A_3\}$ is a sample space

$A_i \rightarrow P(A_i) \rightarrow$ Event'in gerçekleşme olasılığı

$0 \leq P(A_i) \leq 1$

$\sum P(A_i) = 1$

$P(u) = 1$

$P(\emptyset) = 0$

$X = A_1 \cup A_2 \cup \dots A_u$

↳ Any outcome
   should be combination
   of events

ex
outcome
is a prime
number