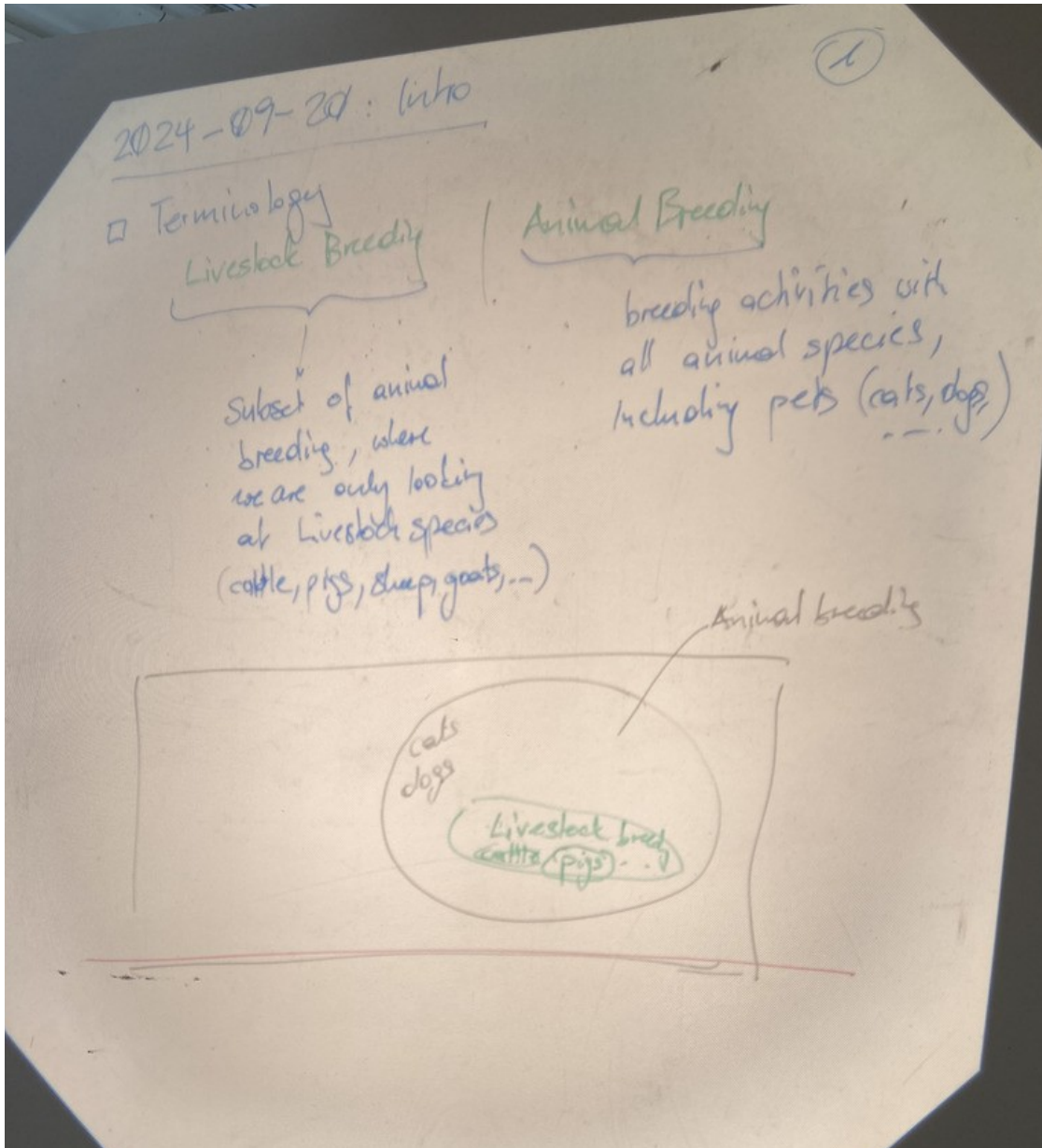
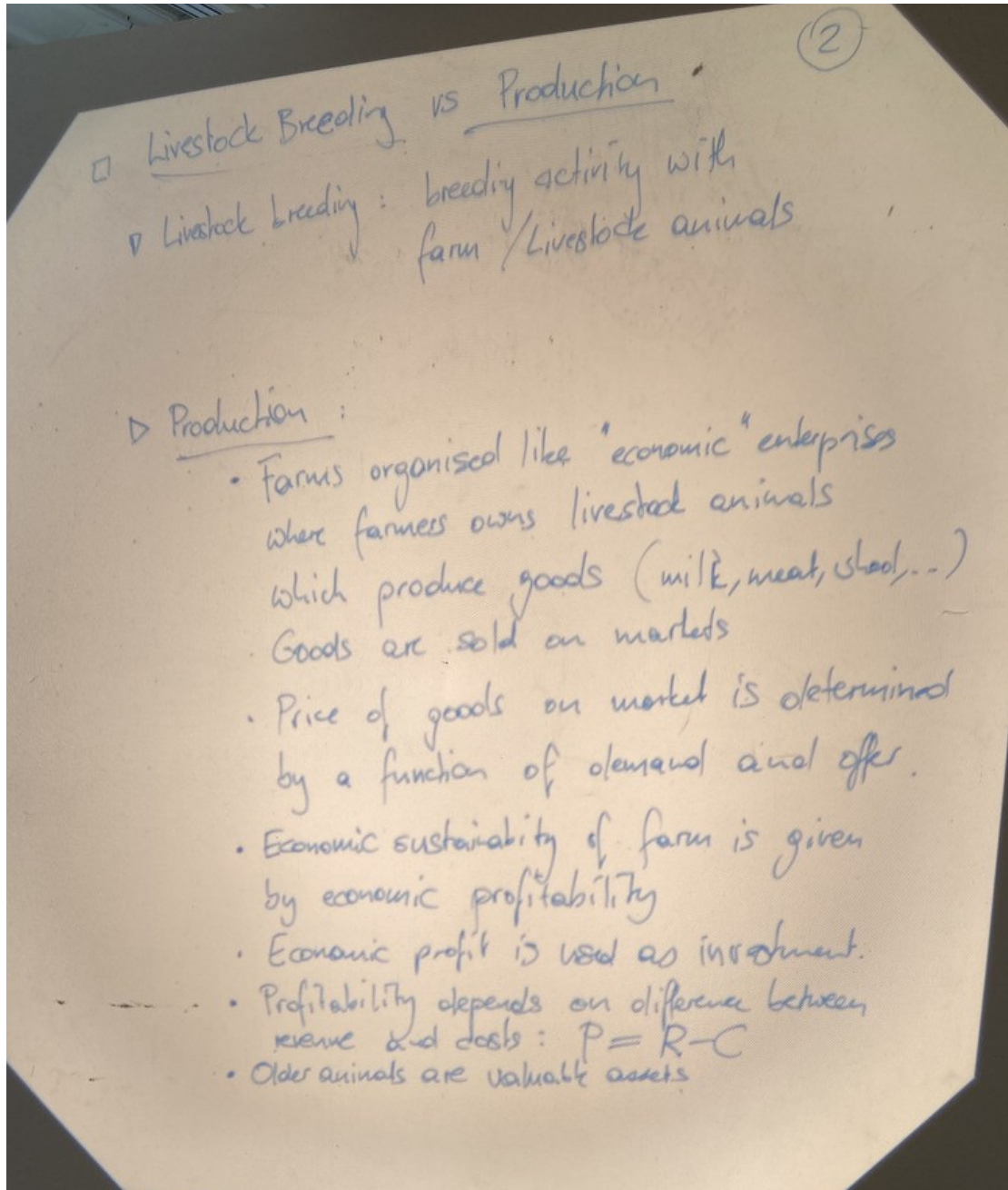


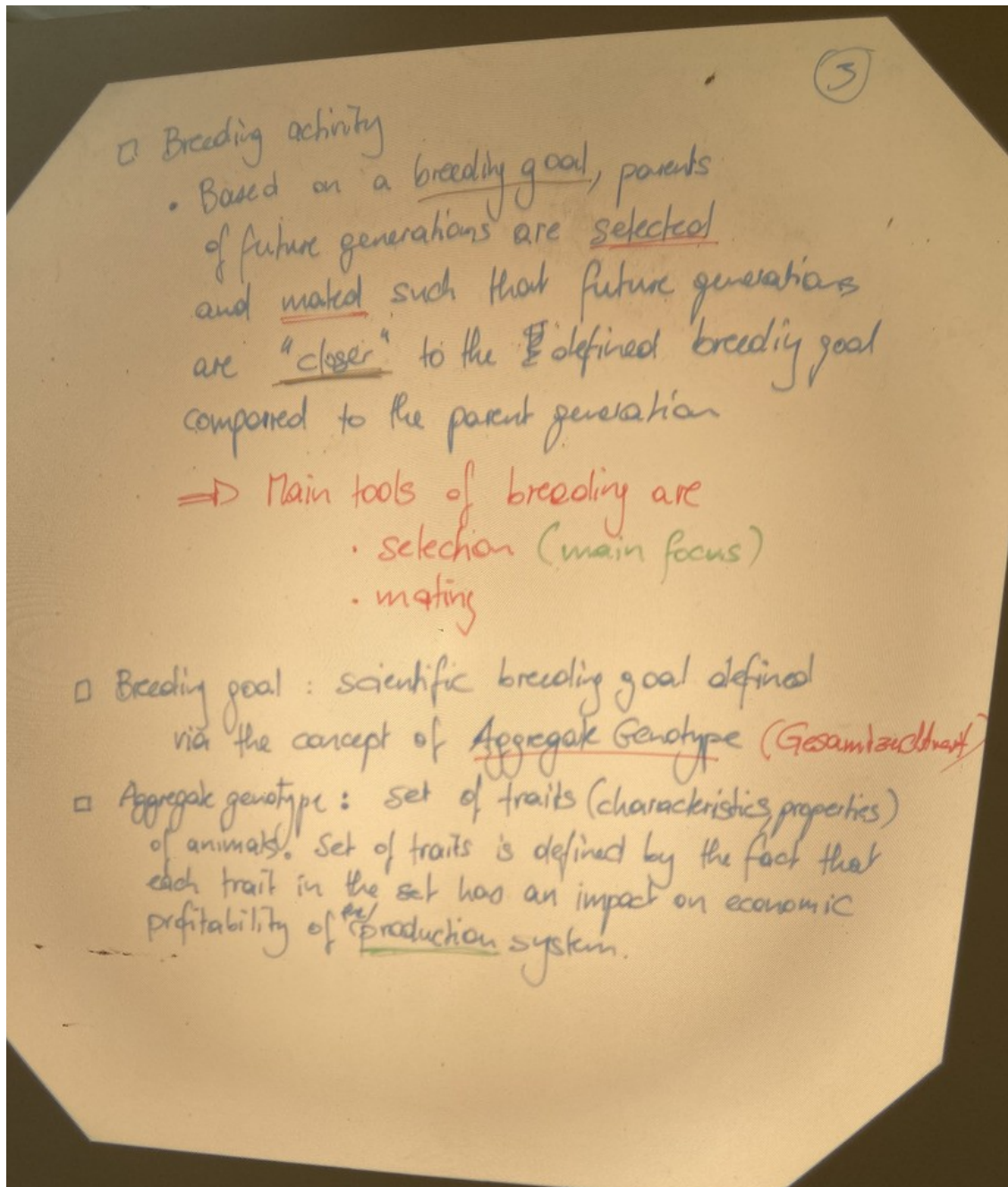
OHP Picture 1



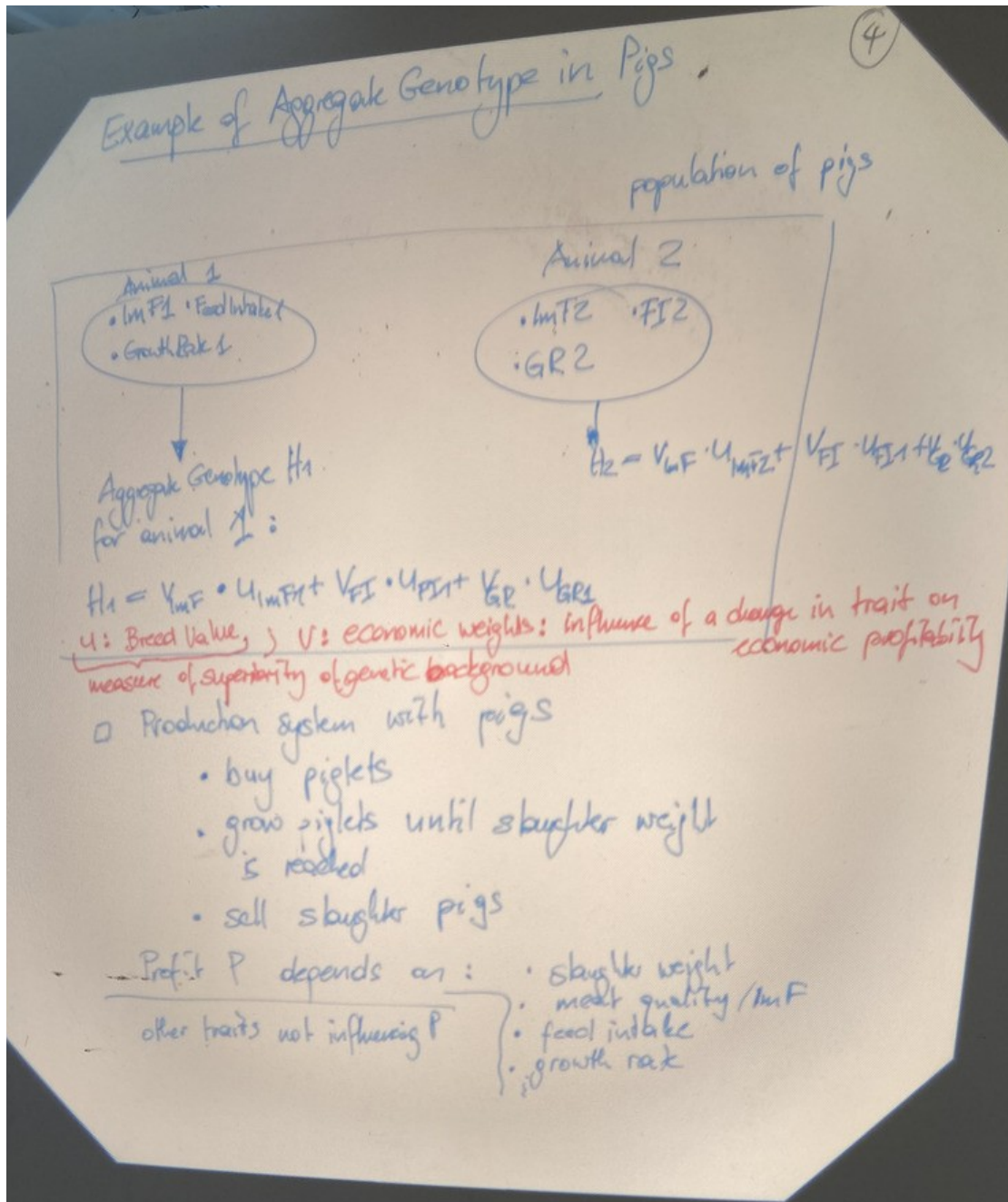
OHP Picture 2



OHP Picture 3



OHP Picture 4



OHP Picture 5

(5)

□ Conflicting interests between breeding and production:

- In production: old animals have the highest values, because fixed costs can be spread over a longer period of life
- Breeding: main focus is the passing of valuable alleles (genetic variants) from parents to offspring.
This process is more efficient, if younger animals are selected as parents.

□ Cattle Breeding: History

Production

(1) (2) (3)

Statistics
Molecular Biology
Computational Science

1960 - 1980
BLUP animal model

2006 - 2009
Genomic Selection

t

OHP Picture 6

