FRACASSI RICCARDO 1956794

MAIORANO MATTIA 2009650

PERERA RIDEEWITAGE LACHITHA SANGEETH 2042904

PRINCIPE ENRICO 2085060



AITAG







WHAT IS FRIDAY 13TH AI TAG





Our agents

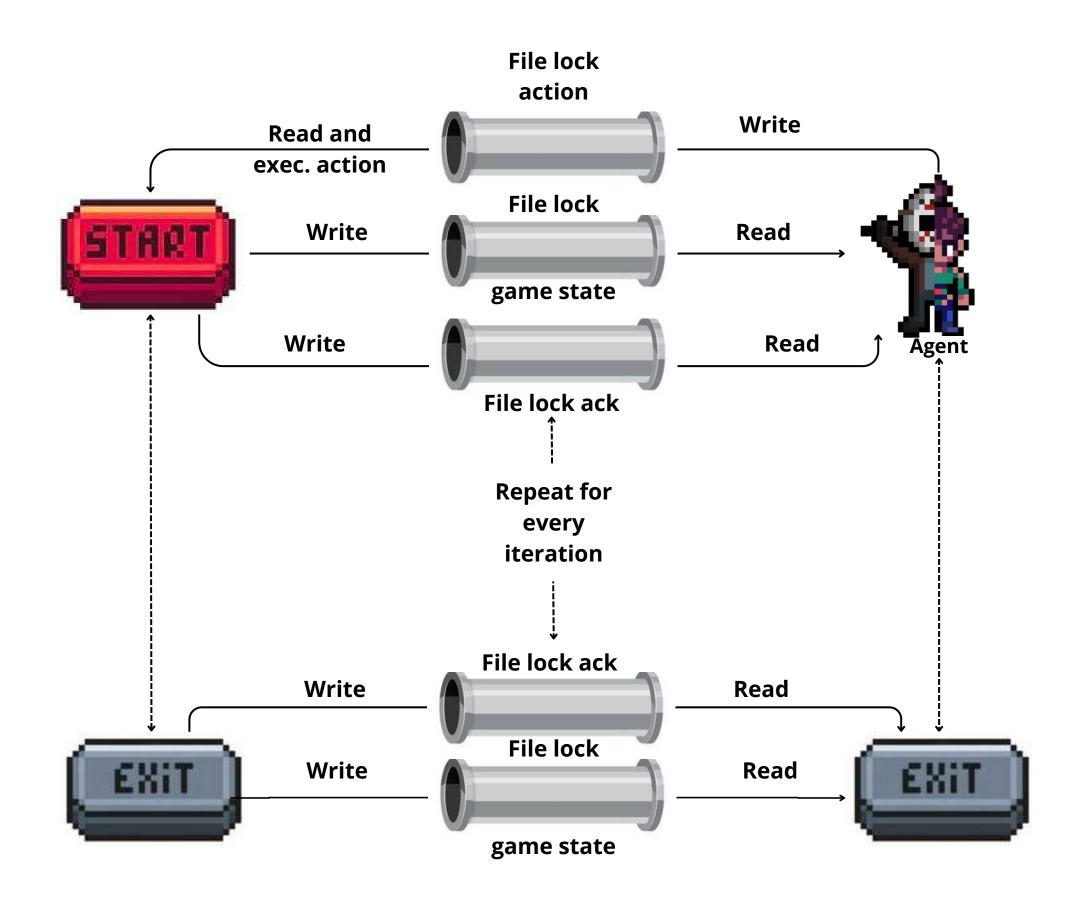
Our ambients







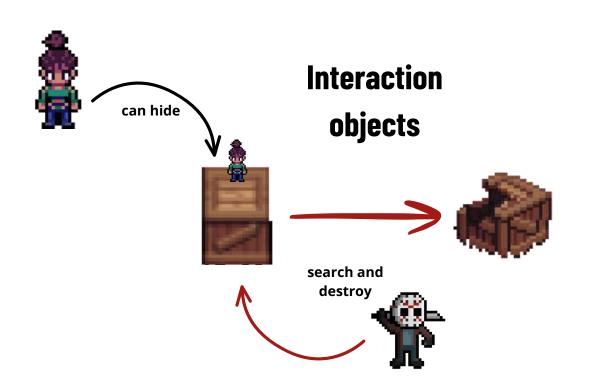
HOW IT WAS BUILT



- JAVA ENGINE TO HANDLE
 THE ENVIRONMENT
- PYTHON FOR TRAINING
- FILE LOCK AS C-PIPE
- ENFORCE SEQUENTIALITY



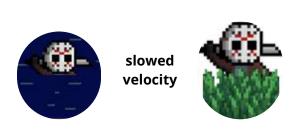
HOW IT WAS DESIGNED



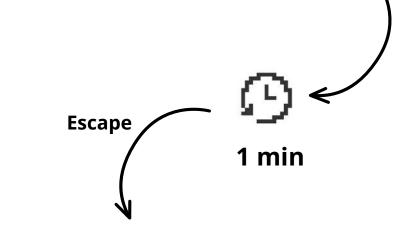
- MAP FEATURES
- BEHAVIOUR DEVELOPINGPOSSIBILITIES
- CHALLENGES







Slow zone









WHAT IS THE PURPOSE

PARTIALITY OF OBSERVATION



VARIETY OF STATES





• EVOLVING BEHAVIOUR

• CONTEXTUAL AWARENESS?



COMPETITIVE AND ASYMMETRICAL NATURE







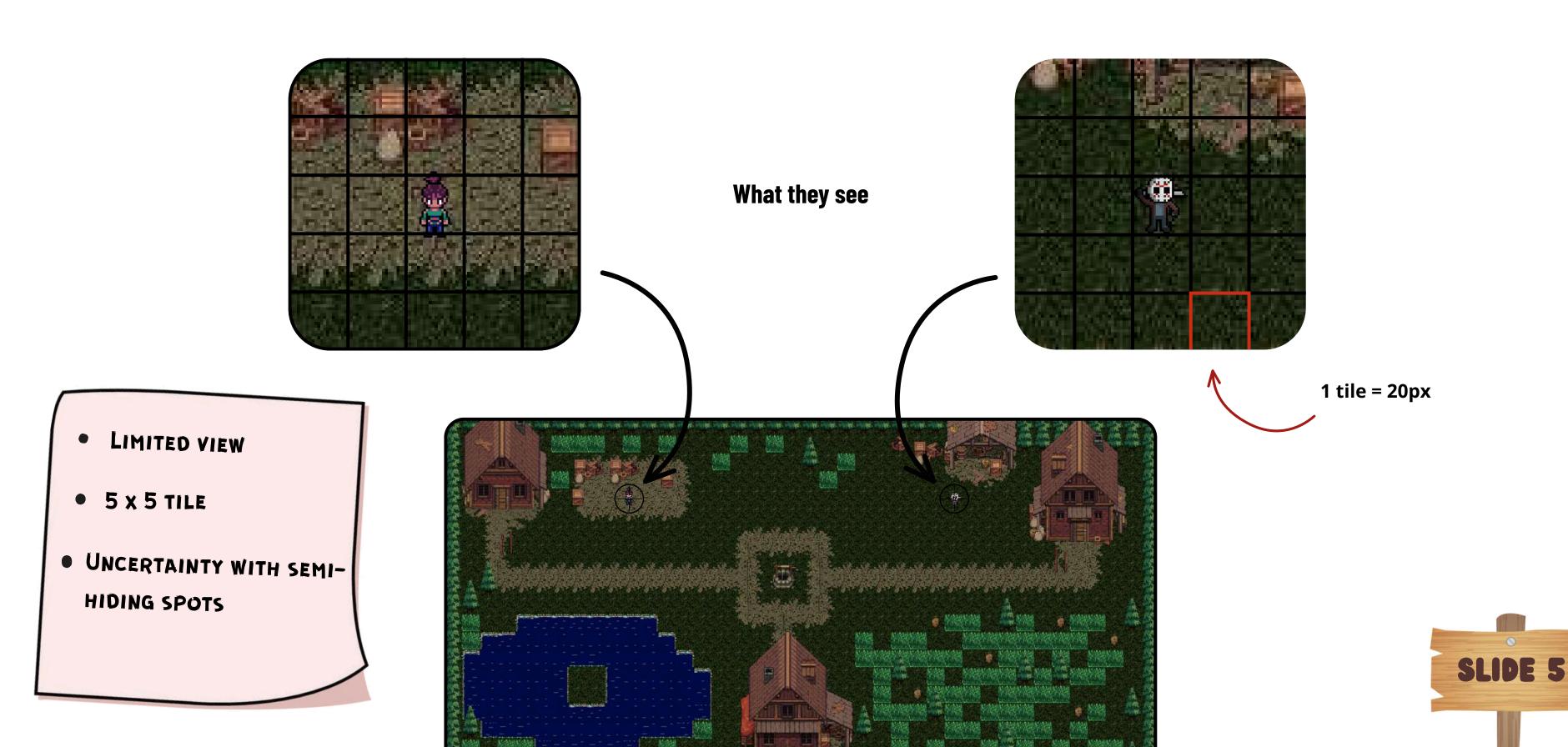
NON STATIONARY
DINAMICS



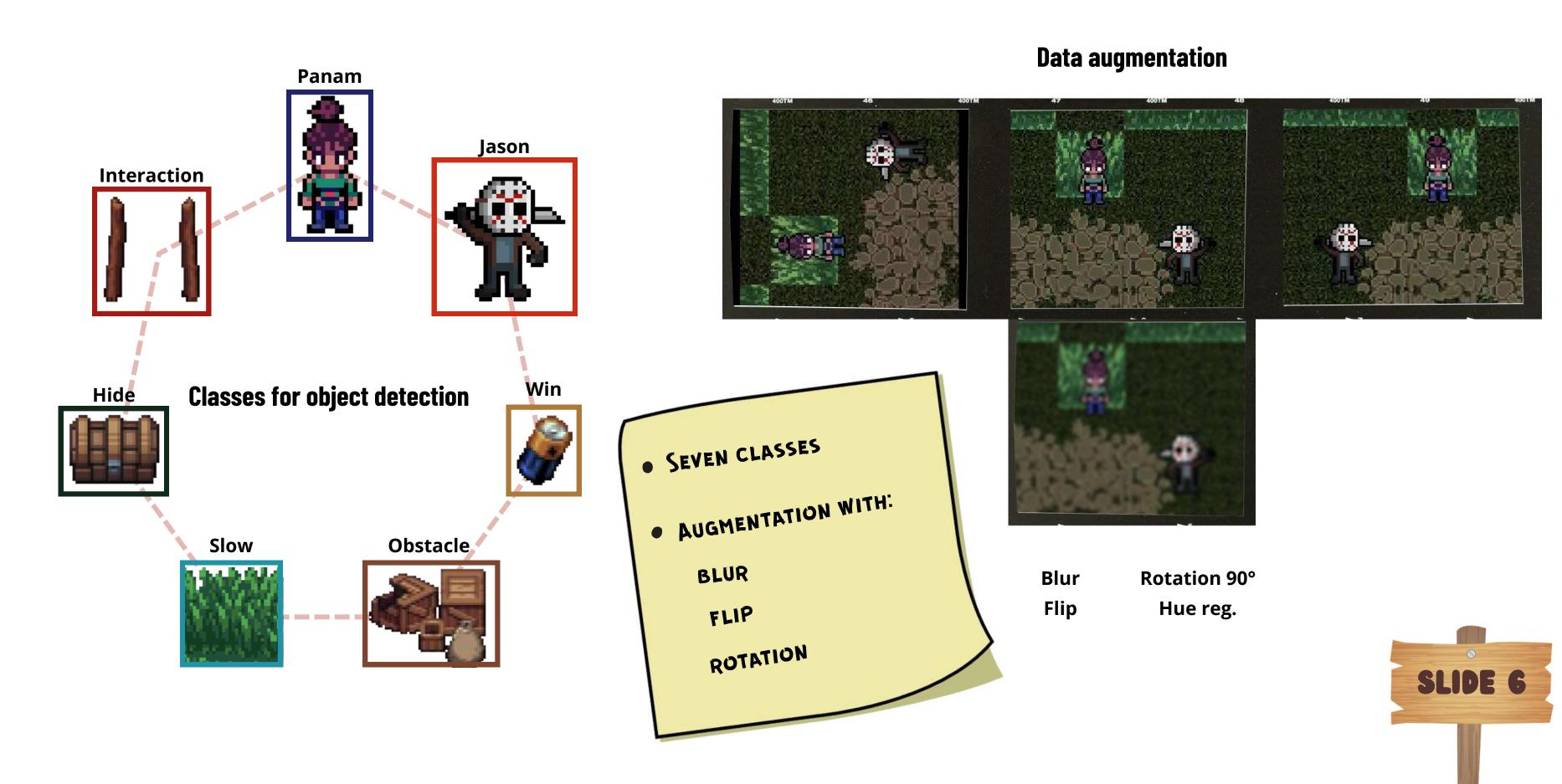




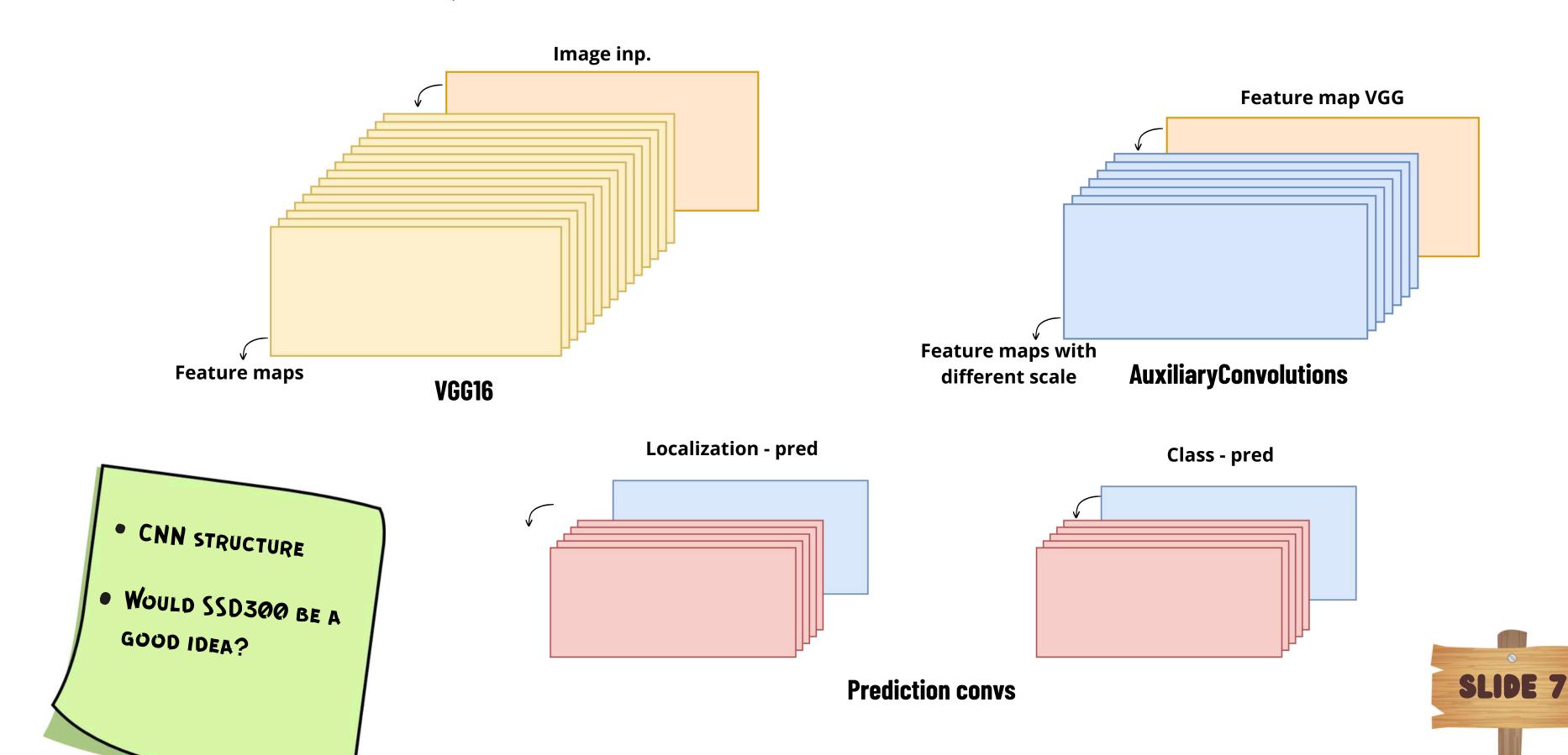
HOW THE AGENTS SEE THE WORLD



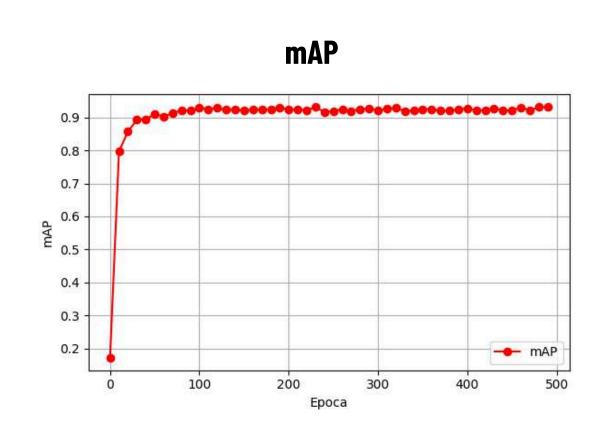
HOW THE DATA WHERE CRAFTED



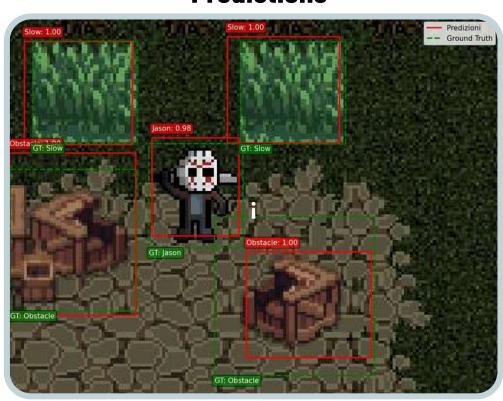
HOW THE NETWORK WAS MADE

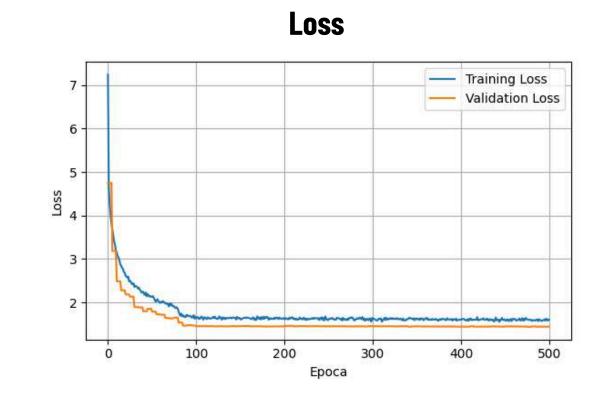


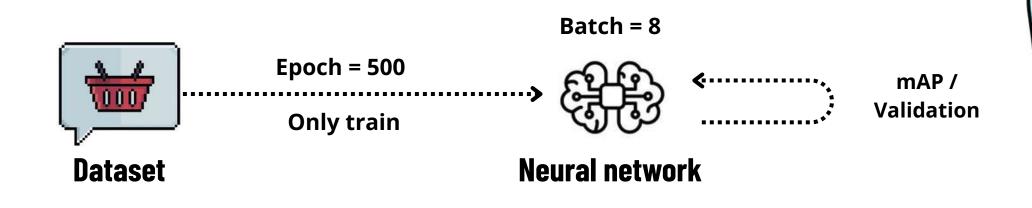
HOW THE AGENTS EYES WERE TRAINED



Predictions



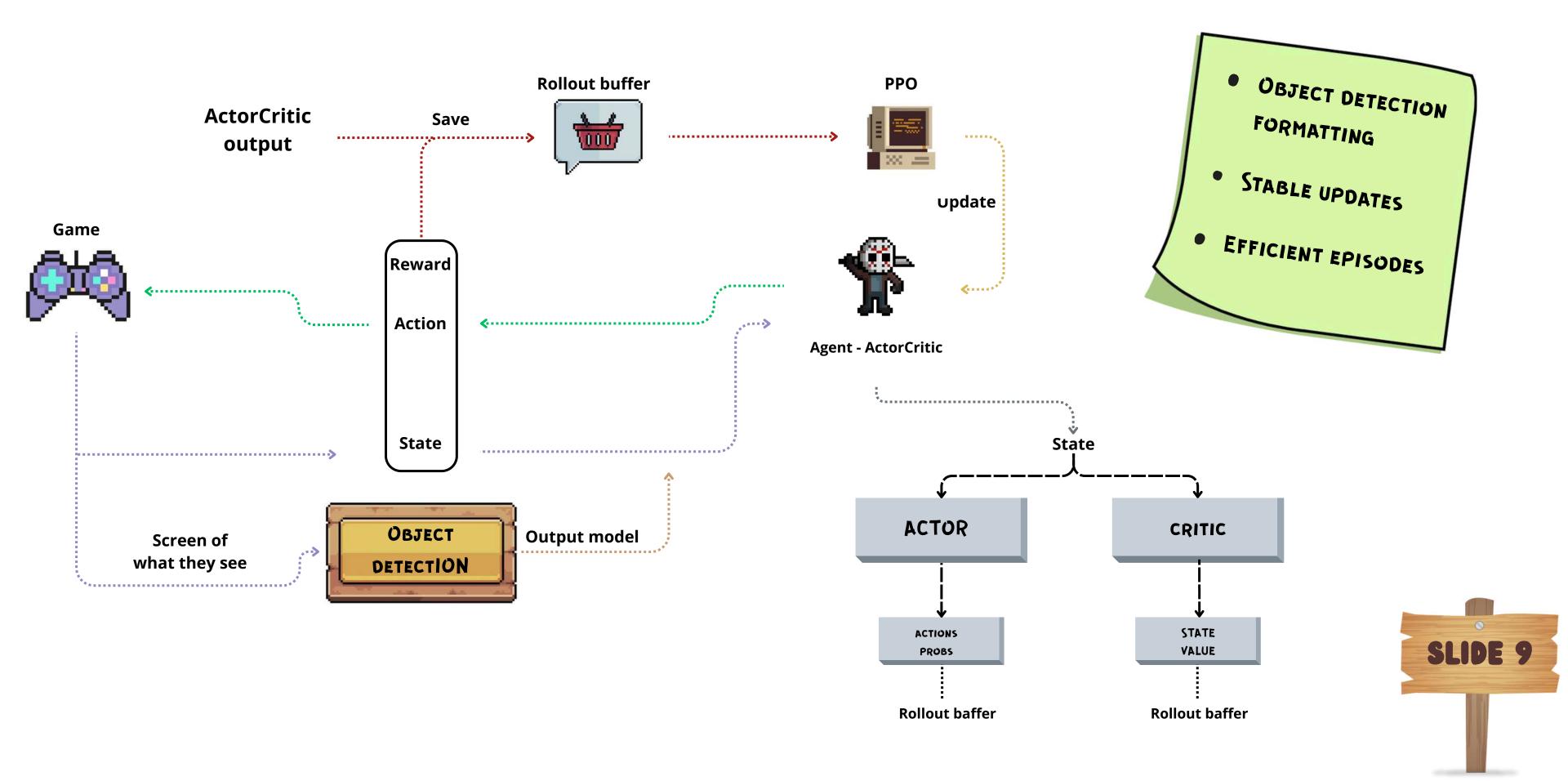




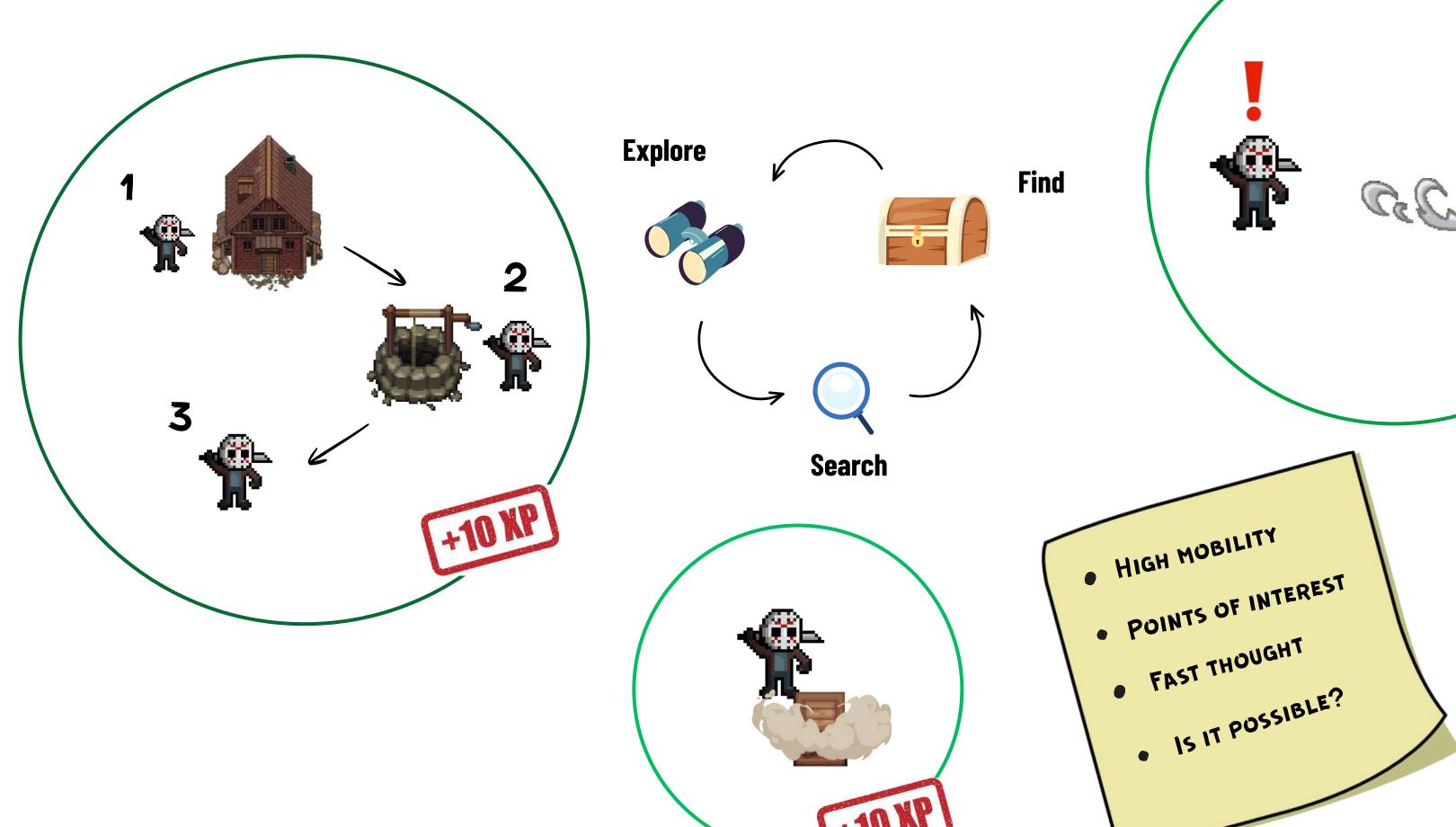
- WRONG DATASET?
 - WRONG MODEL?
 - FAST ENOUGH?

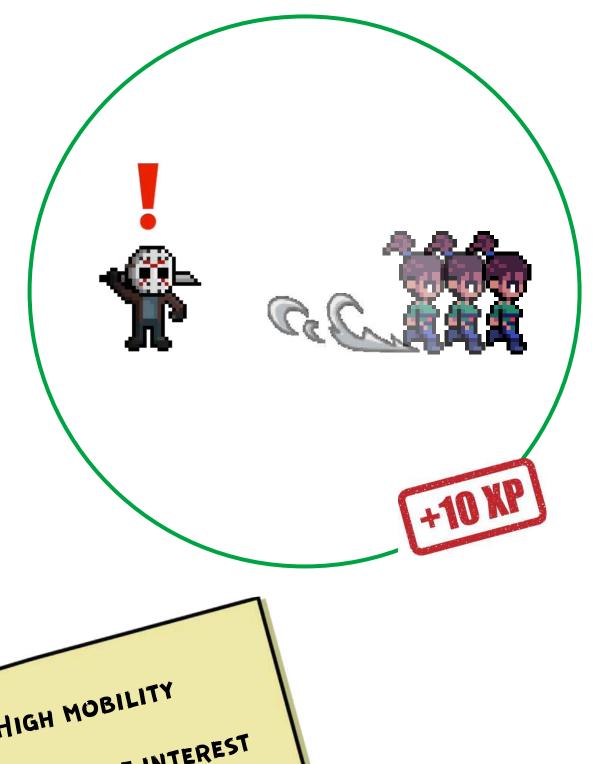


HOW THE KILLER THINKS



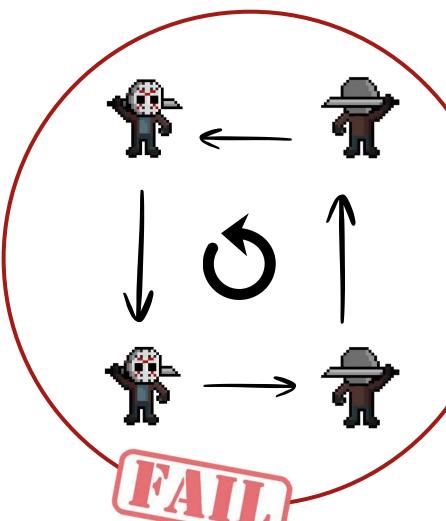
HOW THE KILLER GETS REWARDED



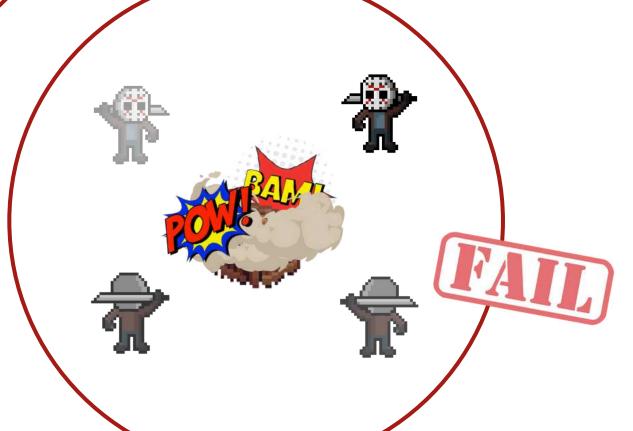




HOW THE KILLER WAS TRAINED





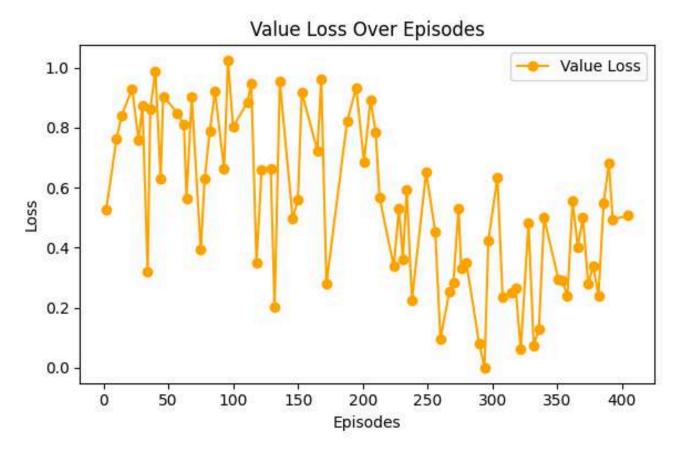




- REWARD EXPLOITATION
- GREEDY BEHAVIOUR
- NEED TO FIX REWARDS
- USE A STRONG
 INCENTIVE?

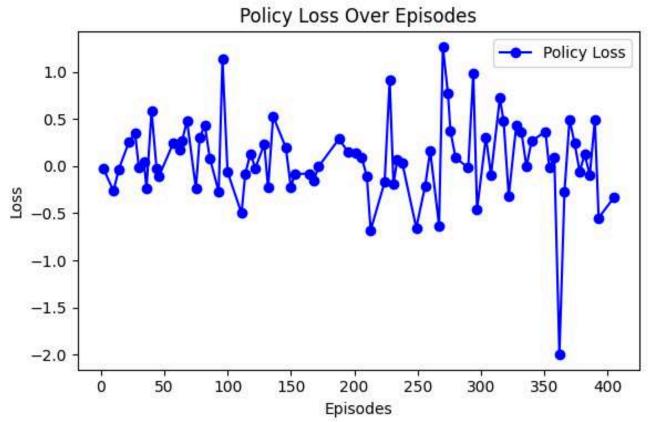


HOW GOOD IS THE KILLER



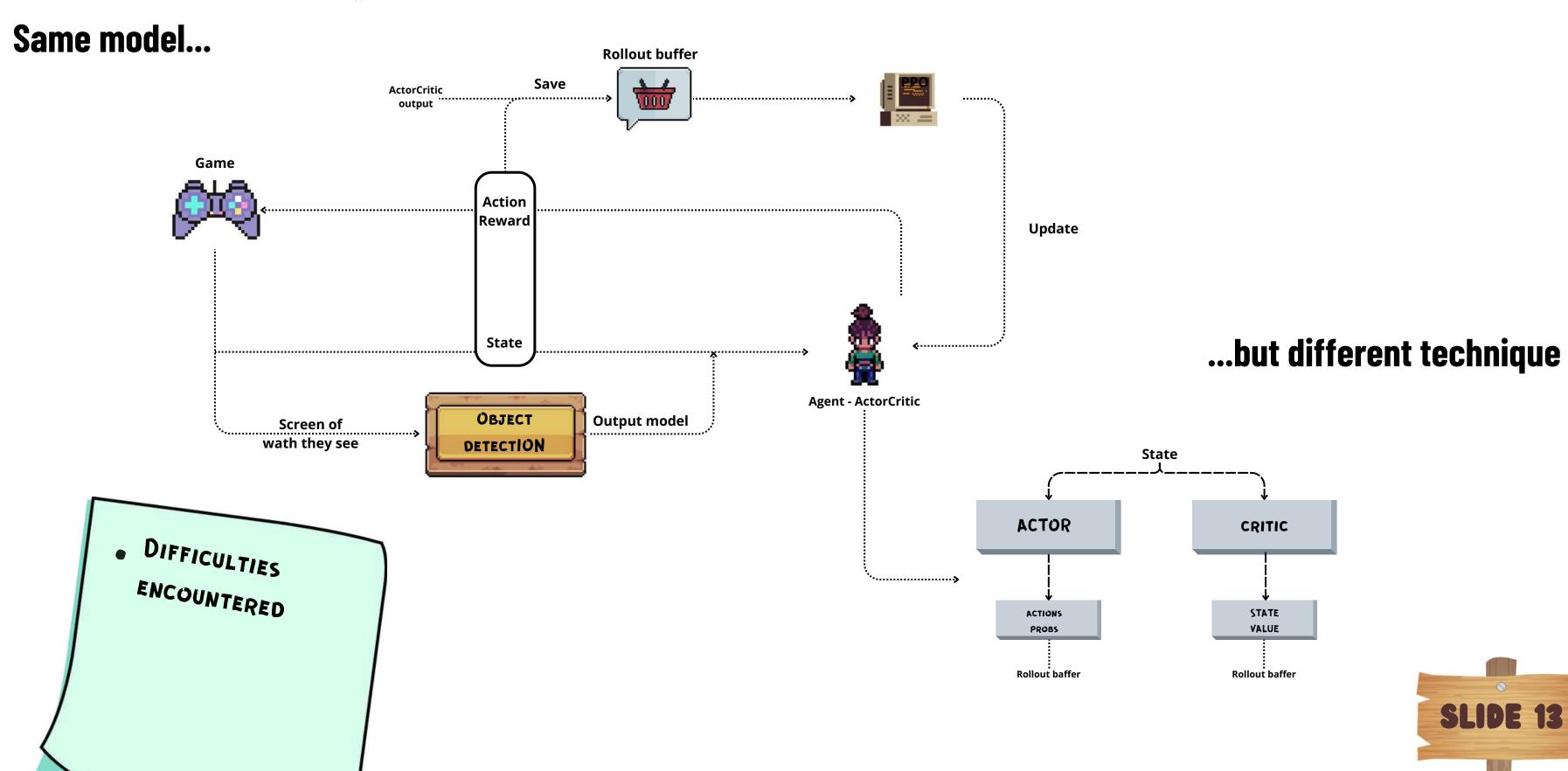




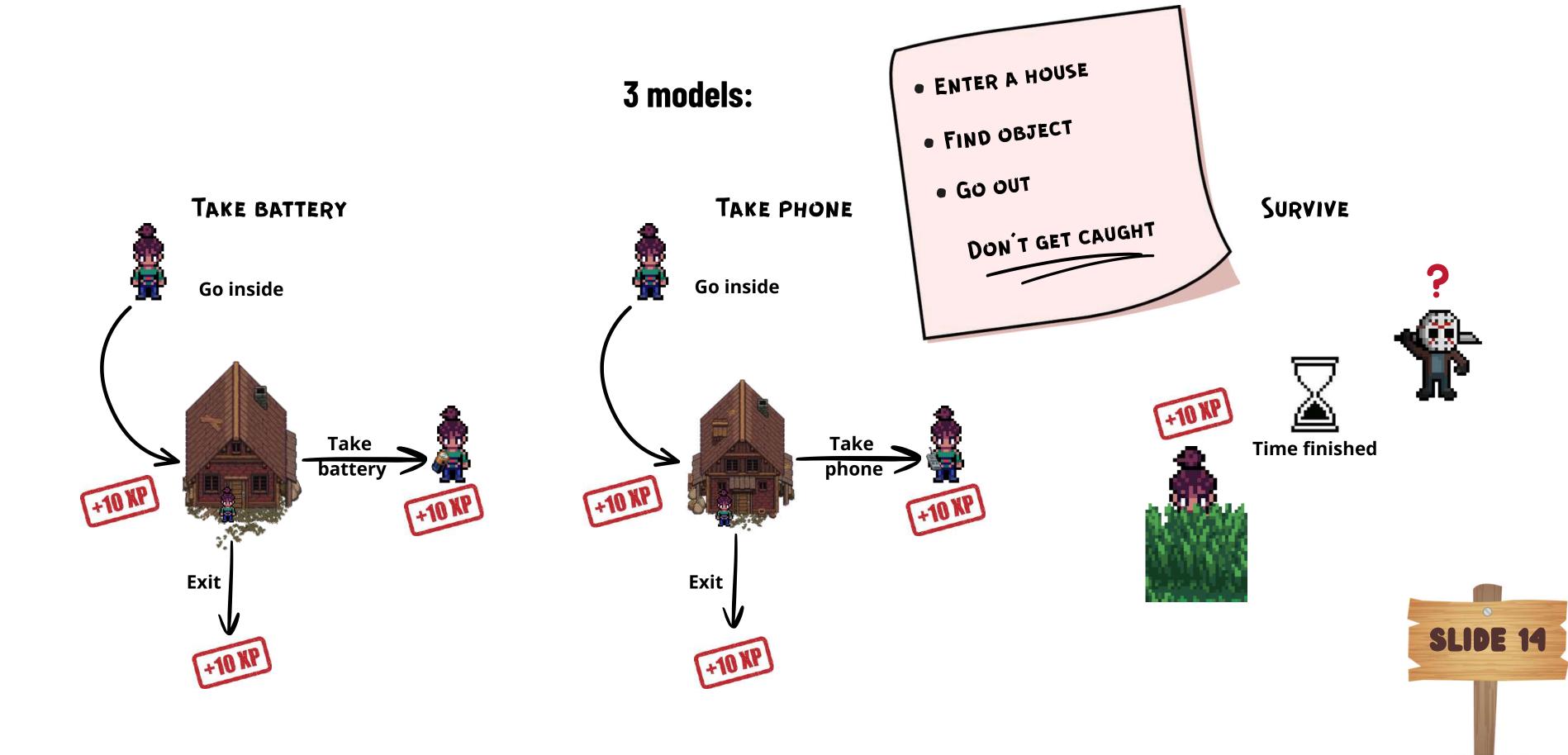




HOW THE VICTIM THINKS



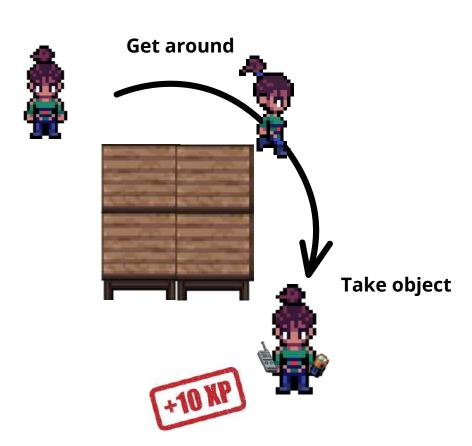
HOW THE VICTIM GETS REWARDED



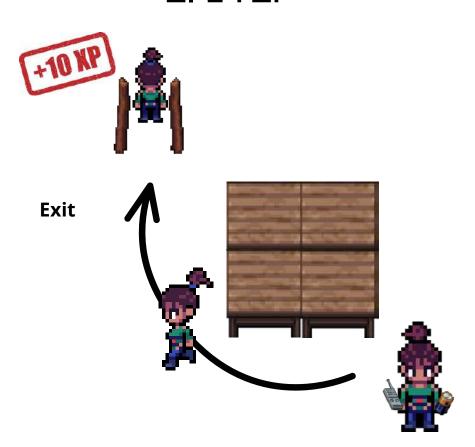
HOW THE VICTIM WAS TRAINED

Curriculum learning

1. STEP



2. STEP



• WHAT IS THE

PROBLEM?

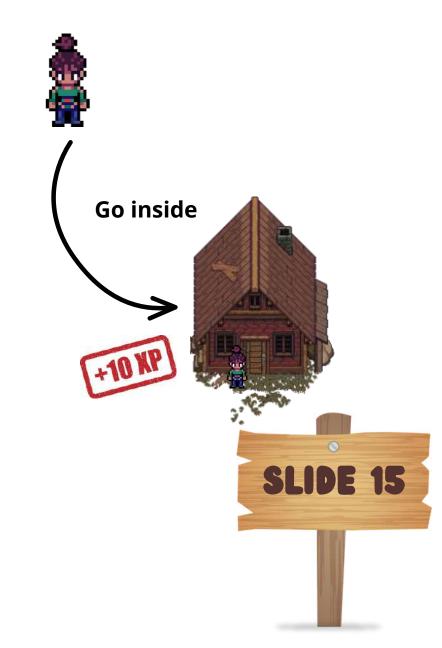
TIME?

BAD LUCK?

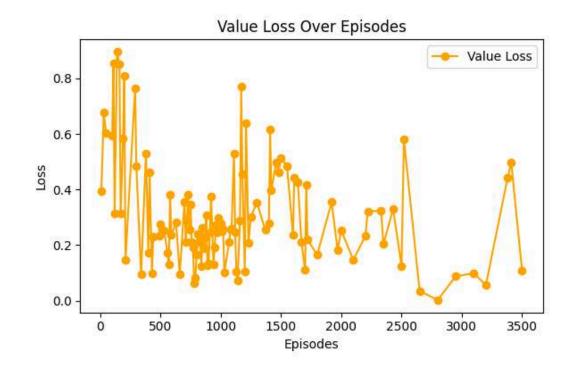
• ALTERNATIVE

SOLUTION

8. STEP



HOW GOOD IS THE VICTIM

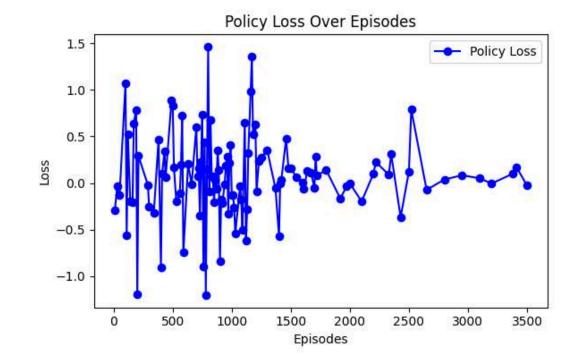




- GOOD VALUE LOSS?
- DIFFERENT SPAWNING POINTS
- WHY THE PEAKS?





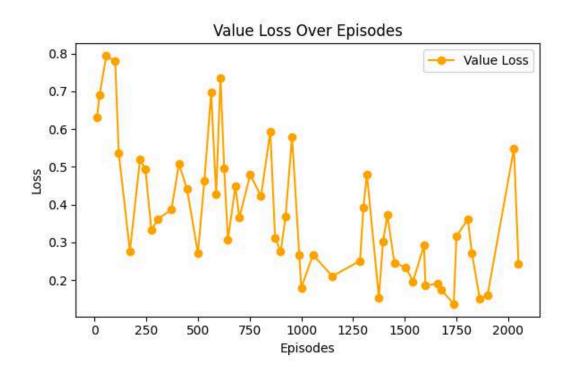




1. BATTERY



HOW GOOD IS THE VICTIM

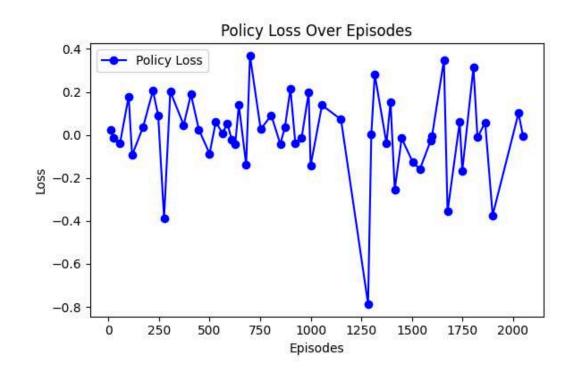


- GOOD VALUE LOSS?
- DIFFERENT SPAWNING POINTS
- WHY THE PEAKS?











2. PHONE



HOW GOOD IS THE VICTIM

