DEPLOYMENTS

(DEV)
(LOCAL)

(MASTER)
(SERVER)
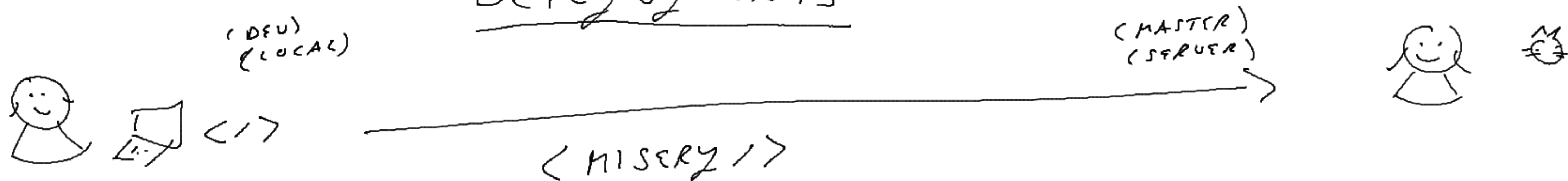
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< MISERY />

⊙ QA - MANUAL INTERNAL TESTING

◉ UNIT TEST - AUTOMATED

• BETA / ALPHA / ZETA

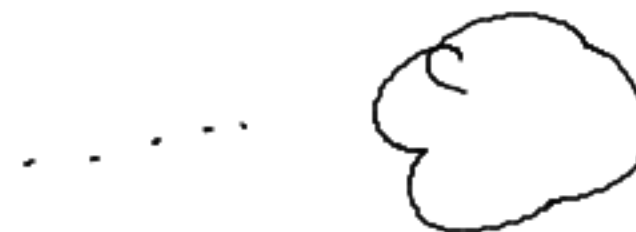PM/PO   TEAM
               D/GU

↓
TEAM | BUS | INT | SH | EU
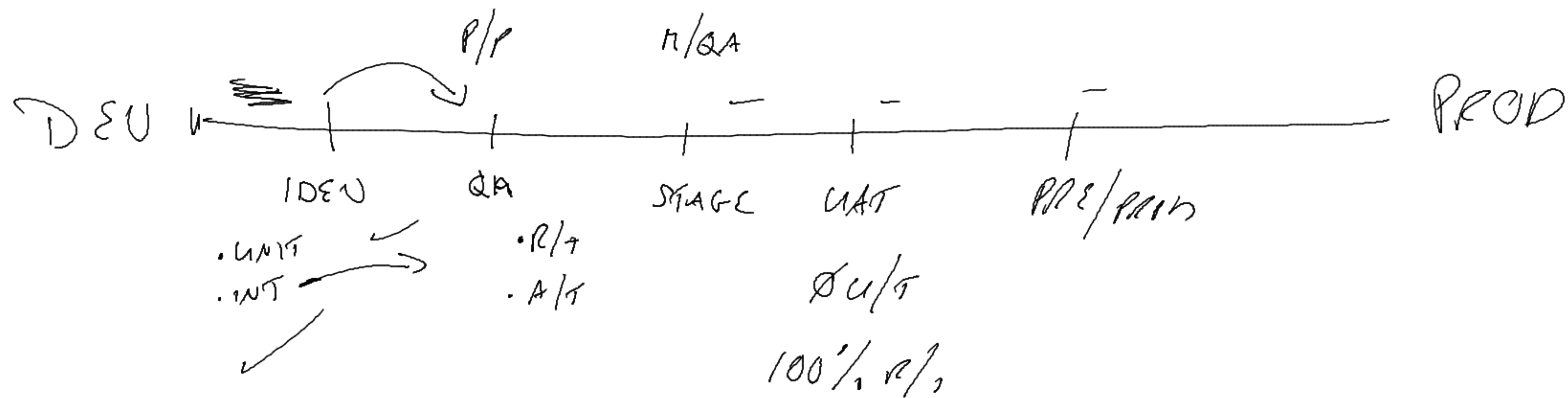   UAT

• CODE REVIEW
• TESTS (M/A)
    - UNIT
        - INTEGRATION
            - ACCEPTANCE
        • SMOKE
        • REGRESSION

DEV ⊢———————————————————— PROD

P/P   M/QA

|IDEV |QA |STAGE |UAT |PRE/PROD

• UNIT
• INT

• R/T
• A/T

Ø U/T

100% P/s

Ø "QA"

PIPELINE

CODE → TEST ___ ENV — TEST | ___ ENV   QA · · · · PREP

PREP

ENV
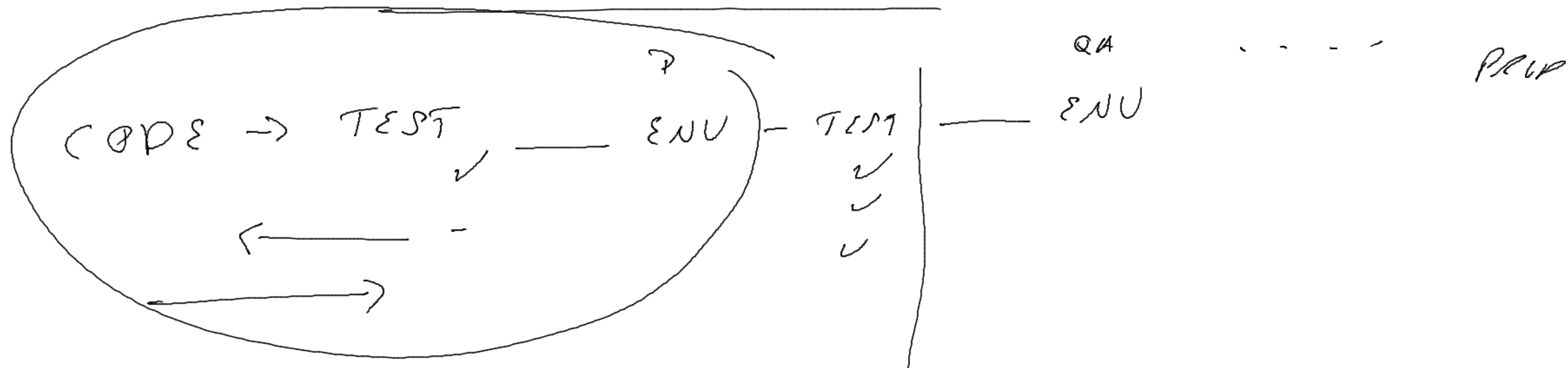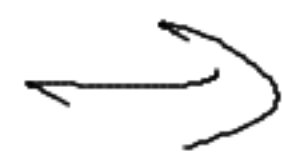
DEVELOPER $\longrightarrow$ DEV $\downarrow$ STAGE MASTER $\downarrow$ $\longrightarrow$ PROD

- "DEV" $\longleftarrow$
  - $\rightarrow$ FEATURE 1
  - $\rightarrow$ FEATURE 2
  - .

ENVIRONMENTS

DEV   QA   STAGE   UAT

→ "DEV"   "QA"   "STAGE"   "UAT"
  - BUILD
  - TEST
  - COMPILES
  - DELIVERS

(CI)   TEST
                                     FAILS

(CD)

PROP

"10K/MINUTE"

"HOT / HOT"

VERSION 1.1 — US-WEST-1
US-EAST-1
— 1
— 1

VERSION 1.1.1 — US-WEST-2
— 2
— 2

TESTS

UNIT: A UNIT OF CODE

: FUNCTIONAL PROGRAMMING → IDEMPOTENT
NO SIDE EFFECTS
1:1 : 00%

INTEGRATION : 2^n PIECES OF CODE

ACCEPTANCE : END-TO-END

SMOKE : IS IT ON FIRE?

REGRESSION : TACTICAL → BREAKING UNRELATED STUFF