# When no need to investigate auto regression run

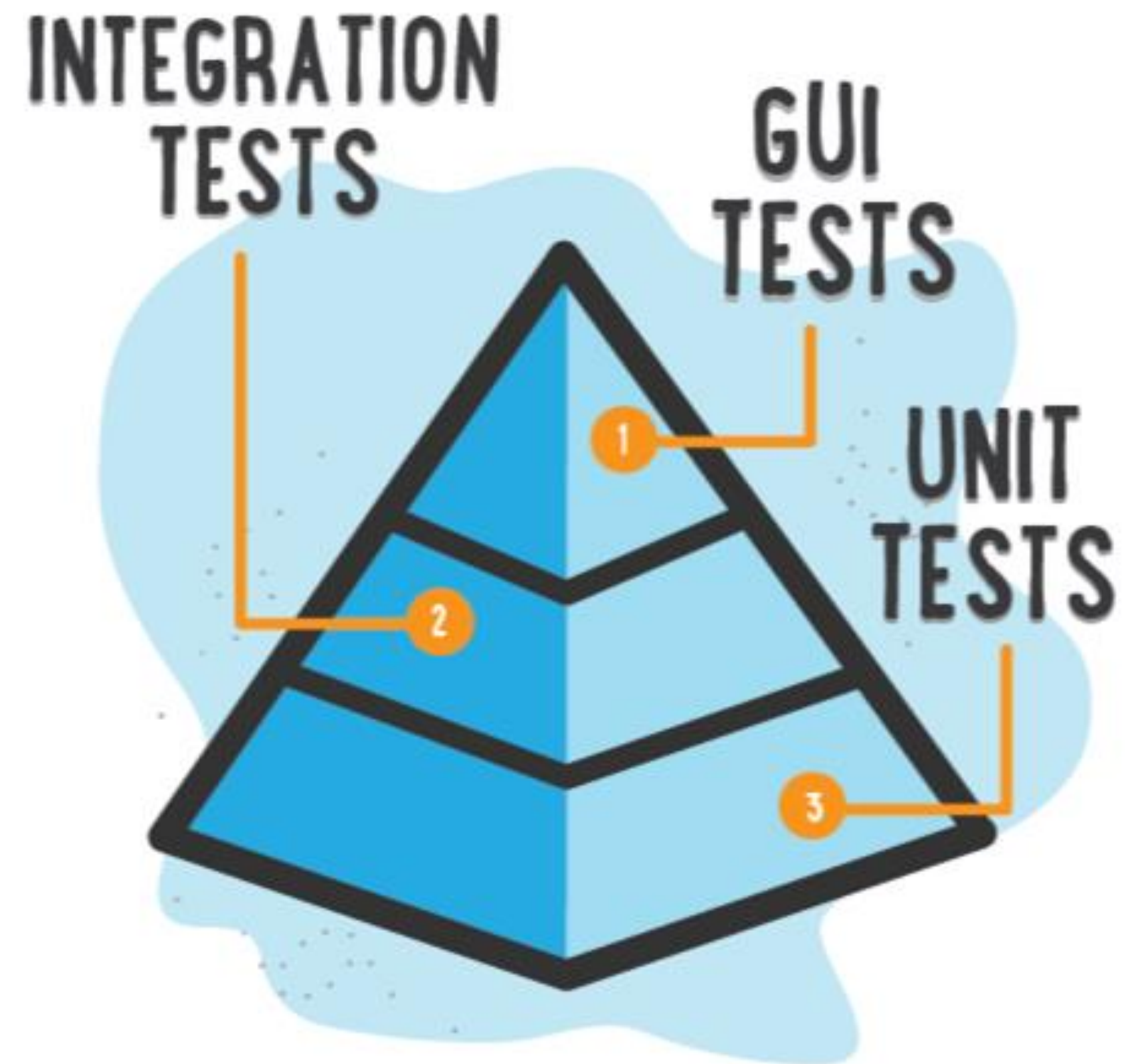# When no need to investigate auto regression run
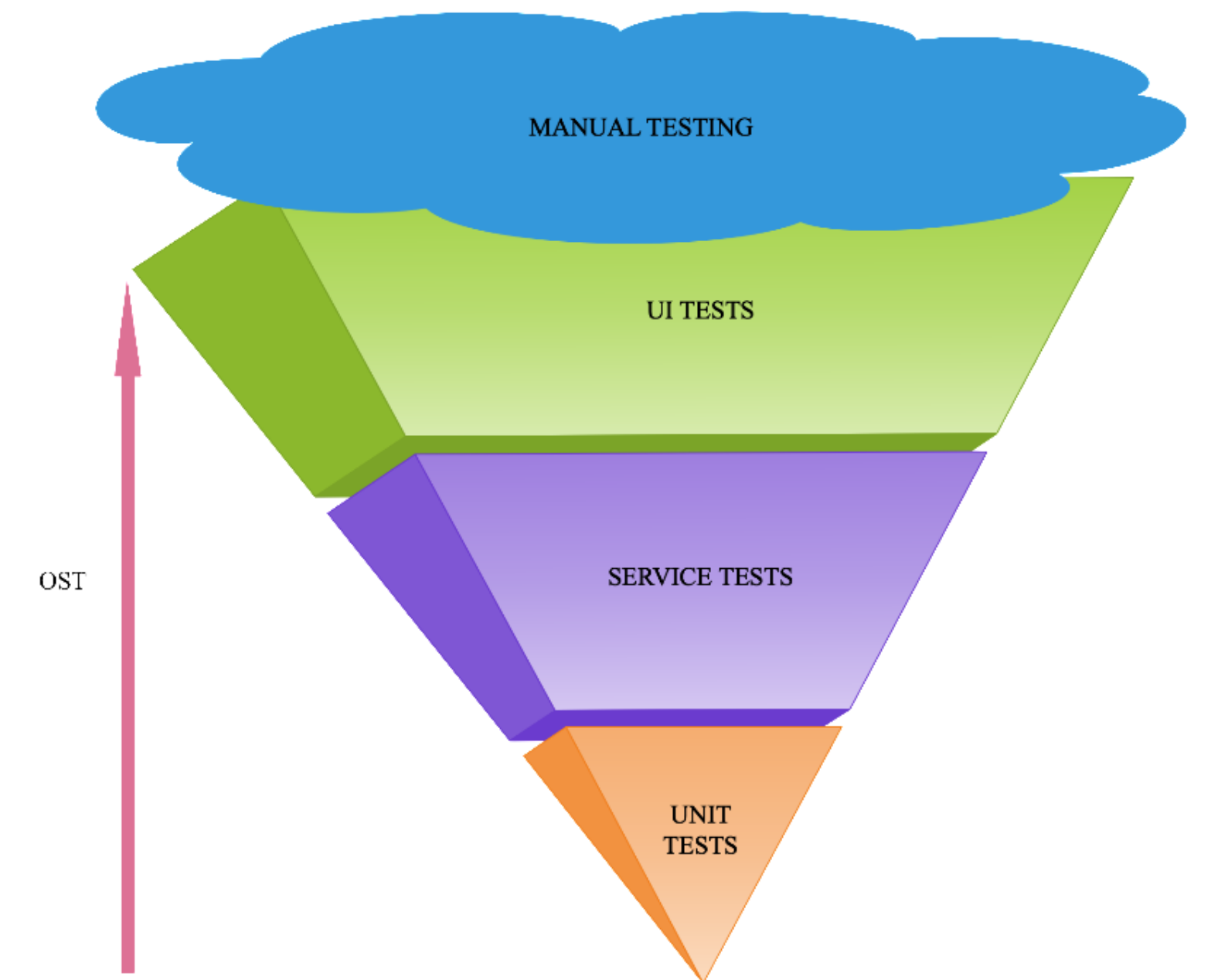
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Autoregression tests launch investigation strategy

Real cases

Summary

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INTEGRATION TESTS

GUI TESTS

UNIT TESTS

A few words about the testing pyramid

ICE CREAM CONE ANTIPATTERN

MANUAL TESTING

UI TESTS

SERVICE TESTS

UNIT TESTS

OST

# Briefly about current TAF

🔧   **1.2 checks**

🔧   **Launch duration ~ 2 hours**

🔧   **Average time for results investigation ~ 20 working hours**

🔧   **Launch frequency: on a weekly basis**

# @Before launch

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```
┌─────────────┐      ┌─────────────┐      ┌─────────────┐      ┌─────────────┐
│  🔧         │      │  🔧         │      │  👓         │      │  🔧         │
│             │      │             │      │             │      │             │
│  API        │ →    │  Smoke      │ →    │  Smoke run  │ →    │ Autoregression│ →
│  services   │      │  auto tests │      │ investigation│      │  tests run  │
│  health     │      │  run        │      │  if it needs │      │             │
│  check      │      │             │      │             │      │             │
└─────────────┘      └─────────────┘      └─────────────┘      └─────────────┘
```

# @After launch

```
┌─────────────┐      ┌─────────────┐
│  👓         │      │  👓         │
│             │      │             │
│  Results fast│ →    │  Regression │
│  checking   │      │  deep       │
│             │      │ investigation│
│             │      │  decision   │
└─────────────┘      └─────────────┘
```
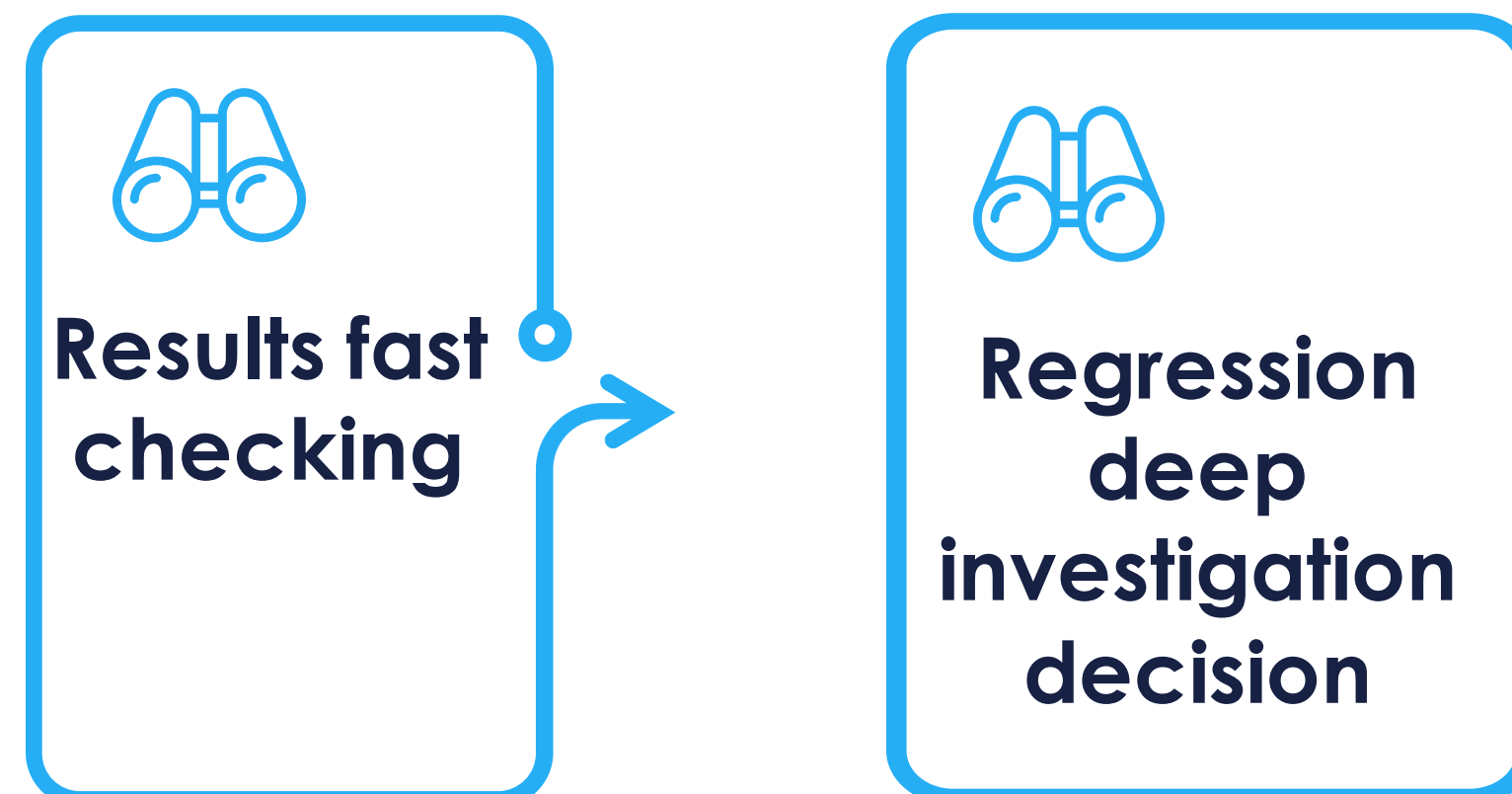
Case#1
"incredible case"

# Case#2 "StaleResultCase"

**Additional metrics:**
- Investigation team capacity
- Investigation window
- Average time for one fail investigation

# Case#3
# fast fix and re-run

- UI changes or auto bug can be fixed fast
- fix + relaunch + new run investigation < old run investigation

# Case#4
# death on takeoff

Some common bug appears in many tests in the start of testing flow
Risks
- The real view is hidden by this bug
- Not clear bug report for business

# Case#5
# hidden functionality

**Total regression results looks good, but none of the tests for some functionality have been passed completely**

**Risks**
- **business commitments**

**Avoiding:**
- **re-launch tests for this functionality**
- **manual checking**
- **highlighting in report**

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**Results**

Time for regression was decreased on 3-4 hours per week

customer made a decision to expand automation on other streams

No critical issues in prod

# QUESTIONS

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