



# Business Driven Test Management

Test, Analyse & Verifikation von Software  
Stuttgart, 7 December 2007  
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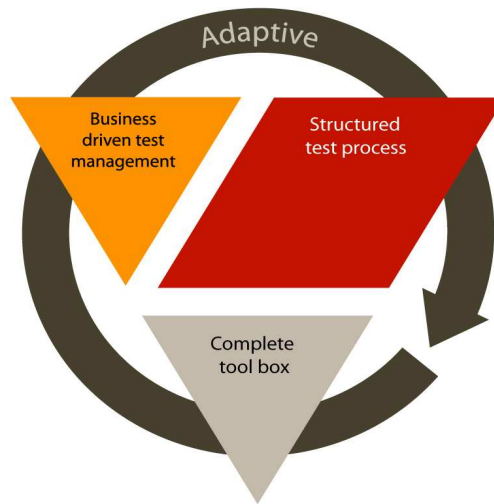
## Agenda

- Essentials of TMap
- The business case in testing
- The process of business driven test management
- From test goals to test design
- Reporting

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## Essentials of TMap



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## Business Driven Test Management

- Gives client grip on test process
- Uses client language
- Delivers appropriate test coverage on right spot
- Makes test results visible for client

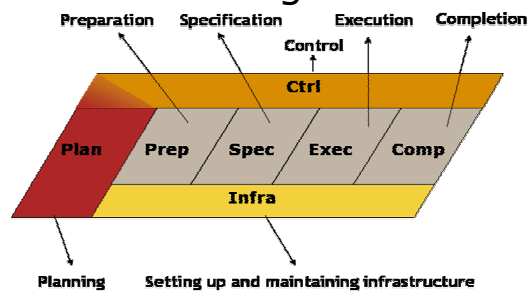


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## Structured test proces

- Covers all aspects and activities
- Breaks down into phases, activities and products
- Clear (test) responsibilities
- Plannable and manageable



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## Complete tool box

- Ready to go tool set
- Right tool for the right job
- Tips and examples
- Cost reduction
- Techniques that fit the identified risks
- Uniform way of working
- Insight and support to tailor your solution



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## Adaptive

- Applicable 'everywhere'
- Adaptable to changing circumstances
- Provides options to bring flexibility into the test process
- Enforces learning from experience
- Sets up a test process that is suitable for re-use



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## Business Driven Test Management



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## Spilled IT-expenditure

- US yearly **150 billion dollar** spilled in IT
- EU yearly **140 billion dollar** spilled on IT

[RAE/BCS: The Challenges of Complex IT Projects.  
April 2004]

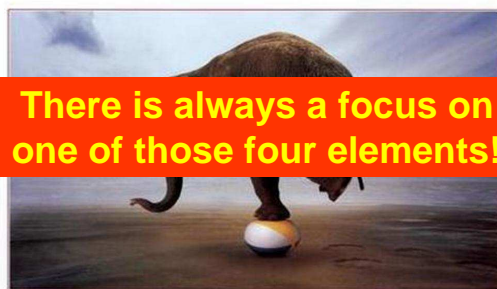
The increasing prevalence of IT systems, coupled with overseas competition in this area, means that failure to improve the collective professionalism of the IT industry and strengthen the national infrastructure supporting project delivery is likely to have serious and ongoing economic consequences for the UK.

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## Thinking in Business Cases

- Results
- Risk



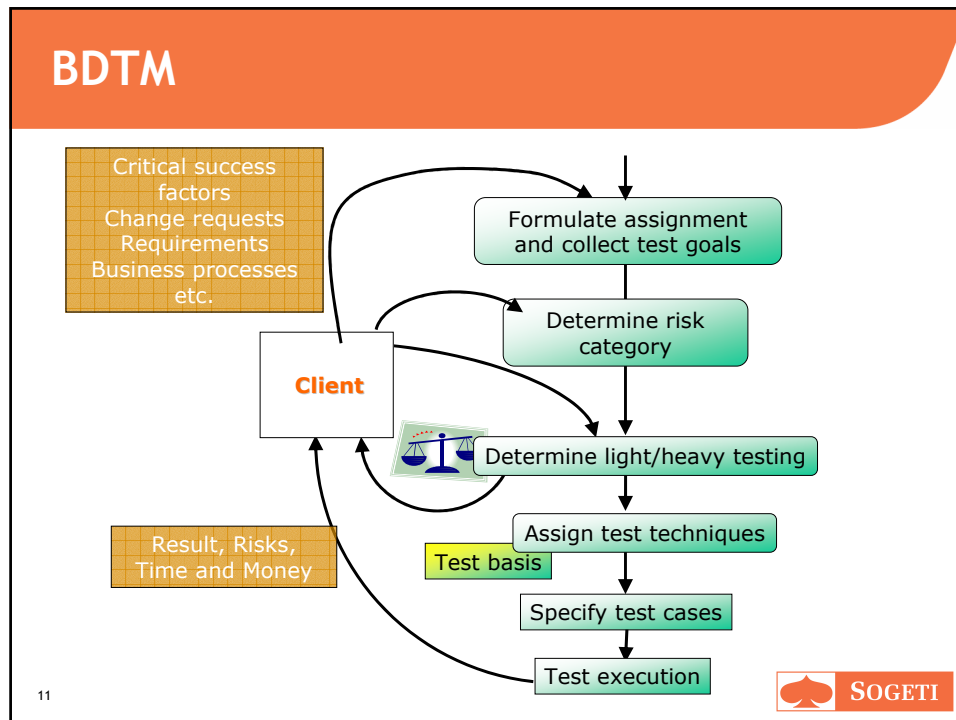
**There is always a focus on one of those four elements!**

*The Key to BD TM is Balance*

- Mon
- Time

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## Formulate assignment

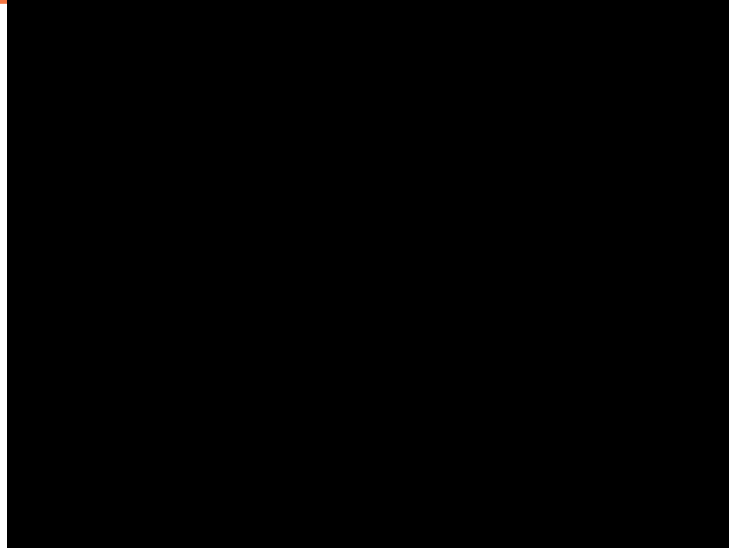
- Who and what?
- Focus on?
- Secondary request?
- Software to be tested, but more specific?

**Speak in terms of 'test goals' and use client's language ...**



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## Test goals



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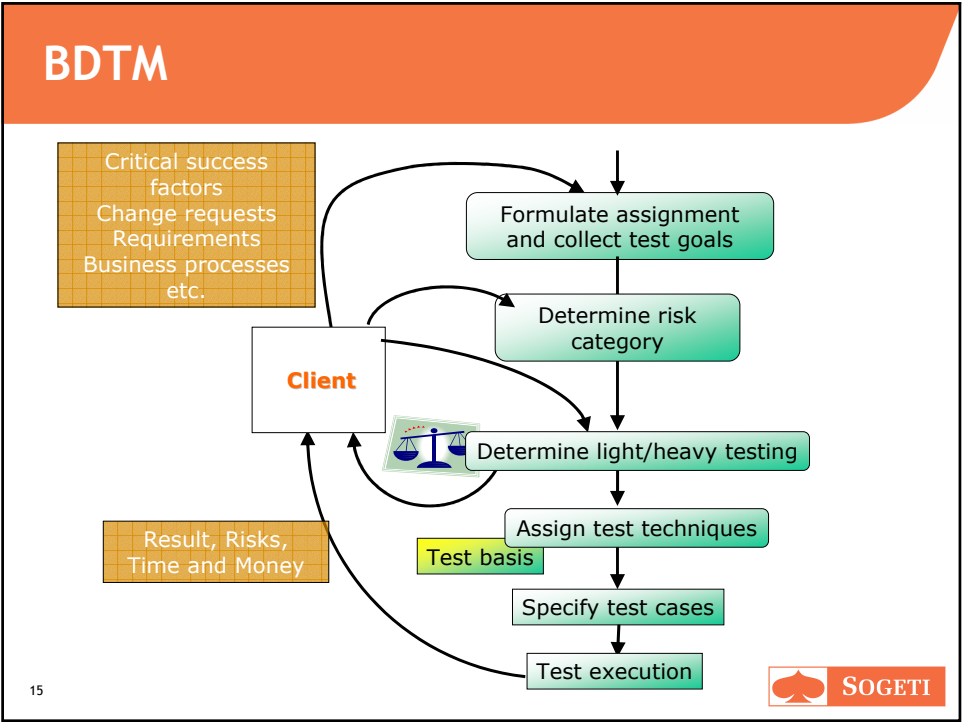
## Test goals

- Types:
  - > Business process
  - > Subsystems
  - > Product risks
  - > Requirements
  - > ...
- Focus on the result of testing
- To close the communication gap

Goal for testing relevant to the client

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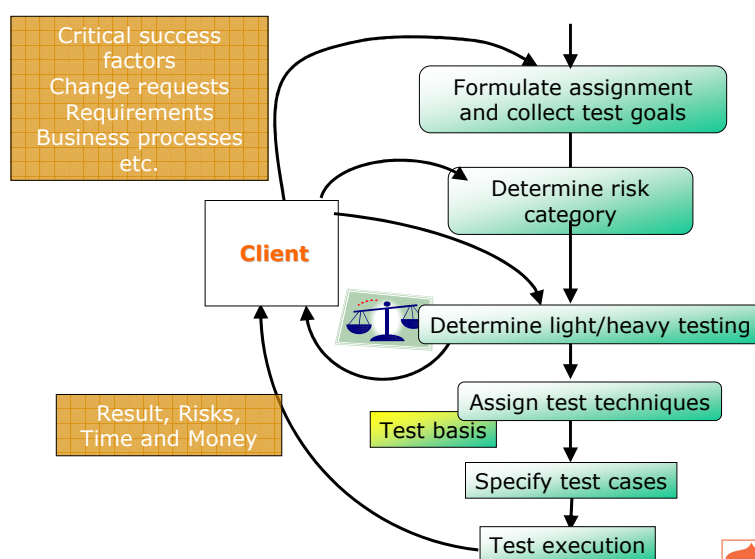
## Risks - finding a balance



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## BDTM



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## Determine light/heavy testing: Strategy table

| Characteristic/<br>Object part | RK | Eval | Dev | ST  | UAT | PAT |
|--------------------------------|----|------|-----|-----|-----|-----|
| Functionality                  |    |      |     |     |     |     |
| - sub 1                        | A  | ●    | ●●  | ●●● | ●   |     |
| - sub 2                        | B  | ●    | ●   | ●●  | I   |     |
| - interface                    | B  |      |     | ●   | ●●  |     |
| User friendliness              | B  | ●    |     | I   | ●●  |     |
| Performance                    |    |      |     |     |     |     |
| - online                       | B  |      |     | ●   |     | ●●  |
| - batch                        | C  |      |     |     |     | ●   |

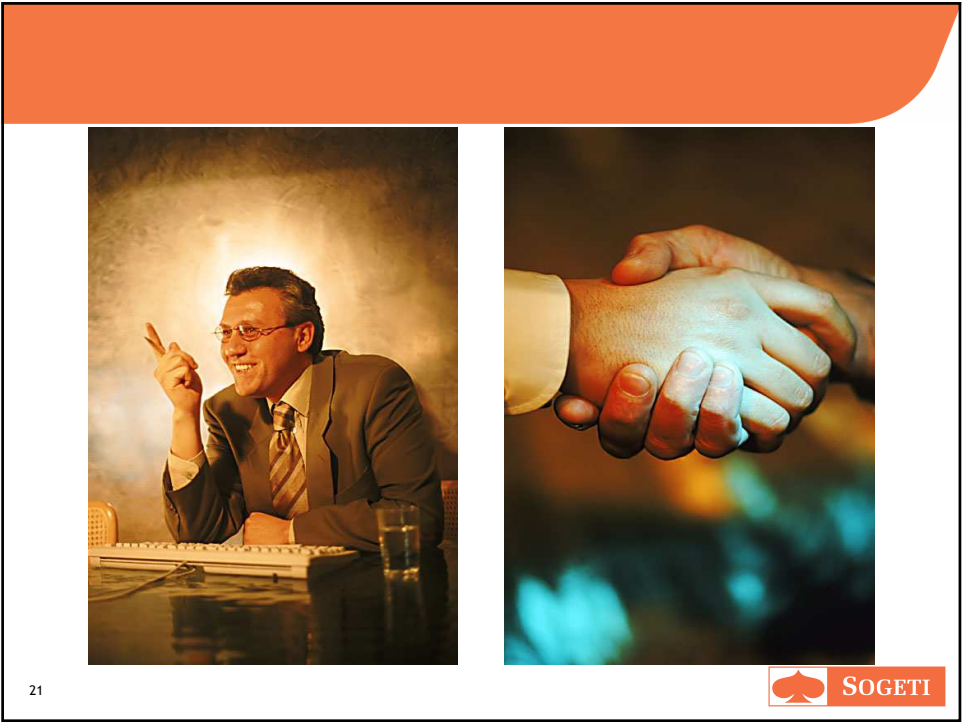
- **Estimate** (resources, hours, money)
- **Plan the effort** (milestones, activities, ...)

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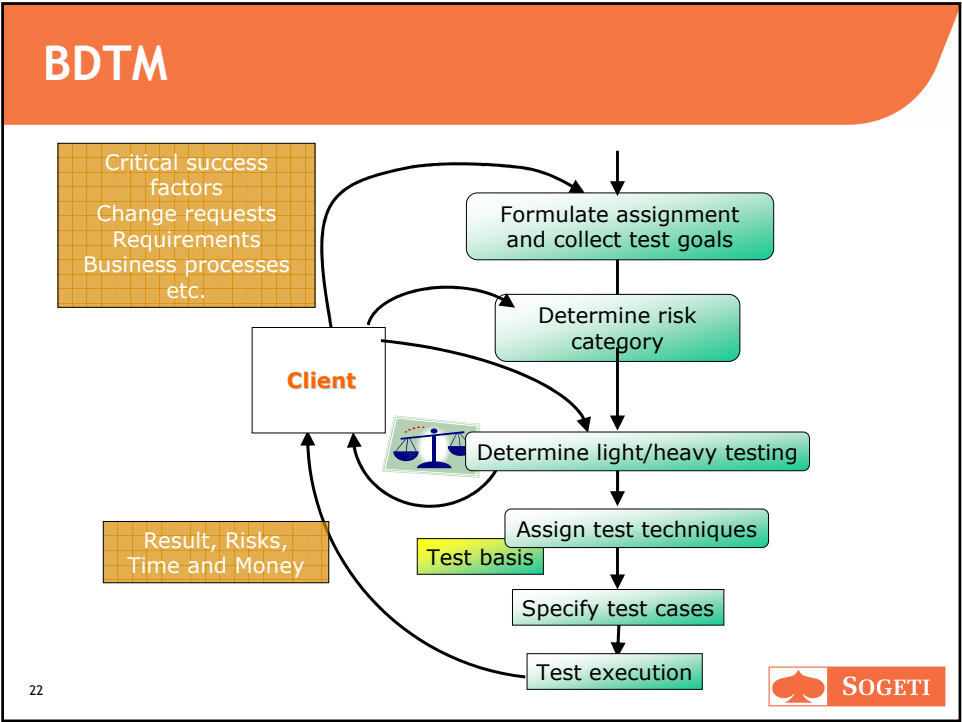


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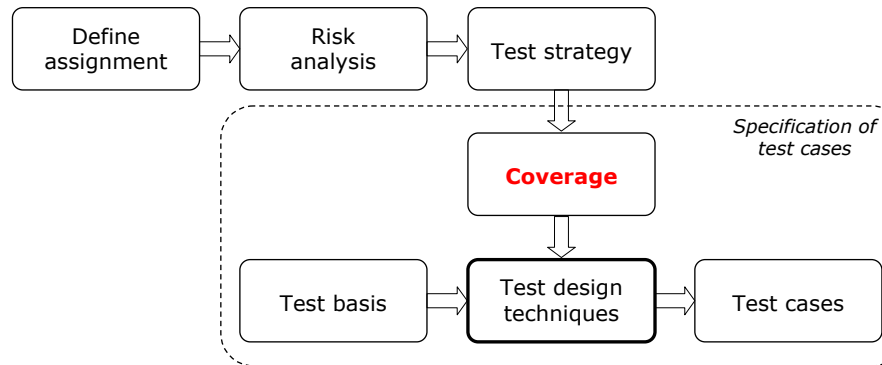


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## Assign test techniques



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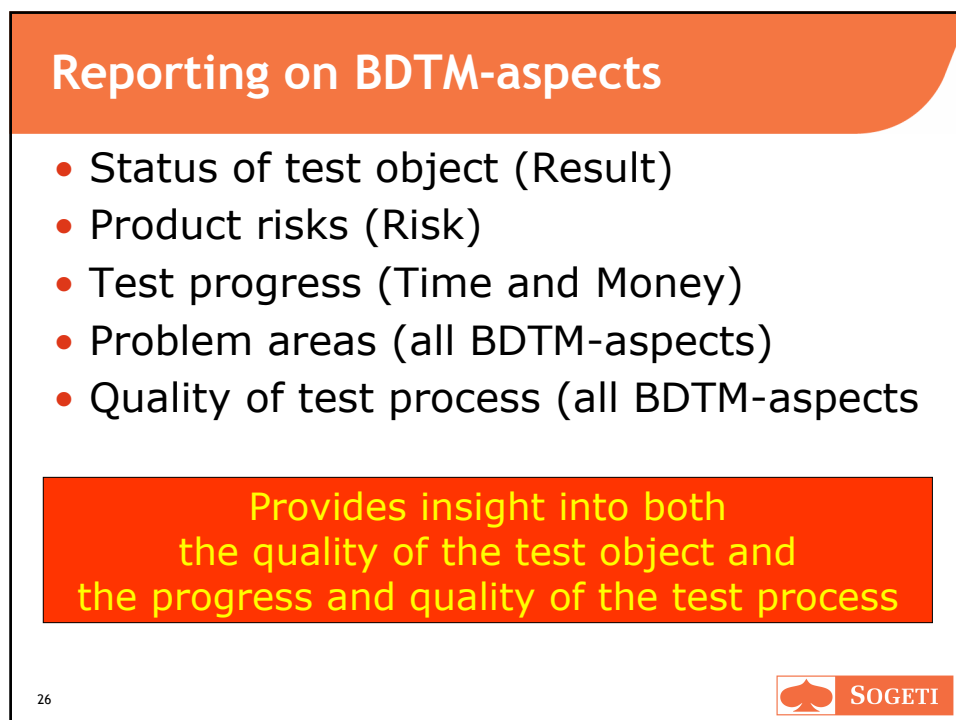
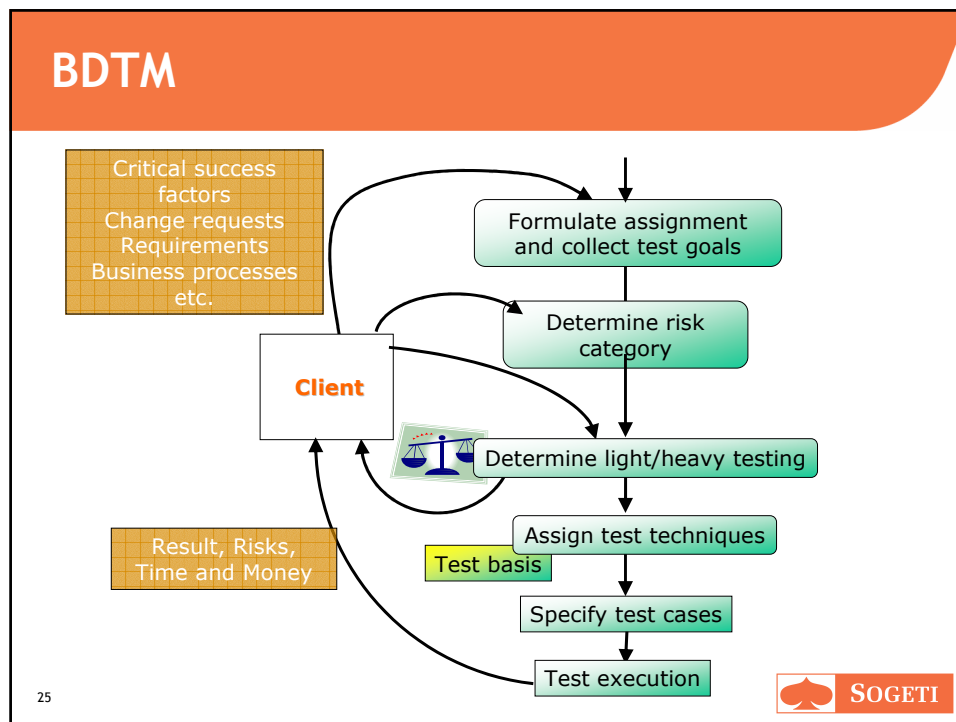
## Result: Test design table

| Characteristic/<br>Object part | RK | UAT | Test type       | Techniques                 |
|--------------------------------|----|-----|-----------------|----------------------------|
| Functionality                  |    |     |                 |                            |
| - sub 1                        | A  | ●   | Functional test | Tu1: DCoT<br>Tu2: SYN, SEM |
| - sub 2                        | B  | I   |                 |                            |
| - interface                    | B  | ●●  | Regression test | Tu3: DCyT                  |
| User friendliness              | B  | ●●  | Usability test  | Tu4: Checklist             |



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## BDTM claims

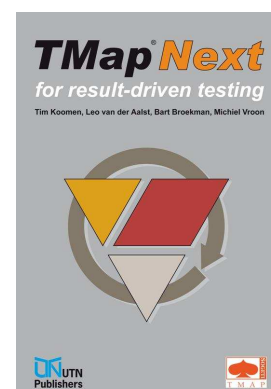
- Less damage due to software failures
- Insight into the risks
- Insight into the required test effort
- Control of test progress and results



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## Be adaptive!....use it!



More than 400 tips, cases and examples

[www.tmap.net](http://www.tmap.net)

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## Questions?



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