



Agile Testing isn't Risking IT!

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Test Manager

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TEST MANAGER

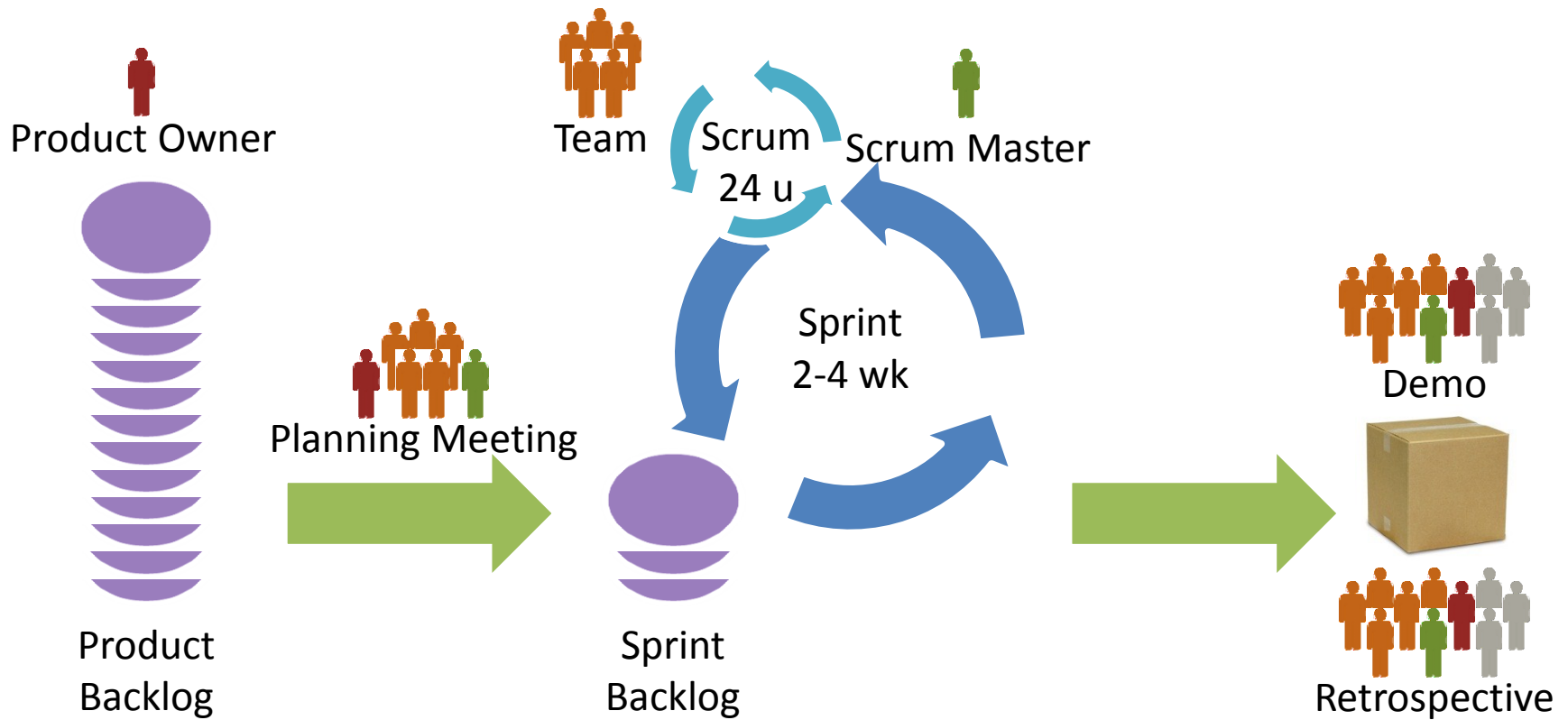
REQUIREMENT & QUALITY MANAGEMENT







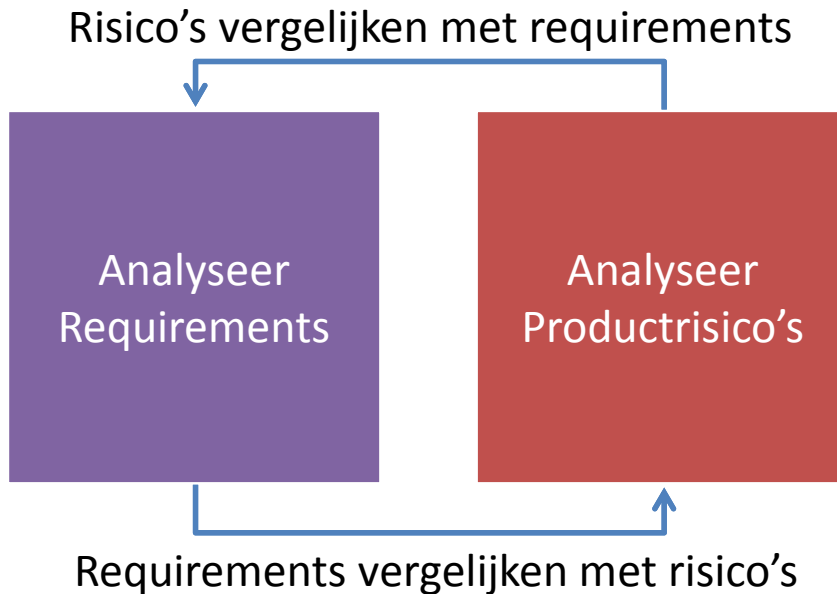
Agile in een vogelvlucht



RRBT in een vogelvlucht



Risk & Requirement Based Testen



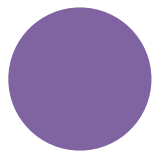
Risico zonder requirement:

- Toevoegen requirement (vroegtijdig gevonden fout)
- Risico verwijderen (geen zorgen om niets)

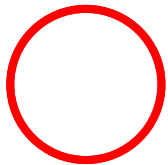
Requirement zonder risico:

- Toevoegen productrisico (verbeterde dekking van de test)
- Requirement verwijderen (geen onnodige dingen maken)

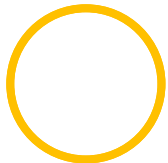
“Een proces of methode welke de risico’s van/voor het product analyseert met als doel de test effort op de meest waarde toevoegende manier in te zetten.”



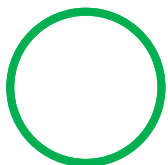
Feature



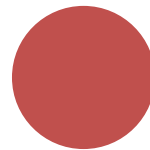
Risicoklasse: Hoog



Risicoklasse: Middel



Risicoklasse: Laag



Productrisico

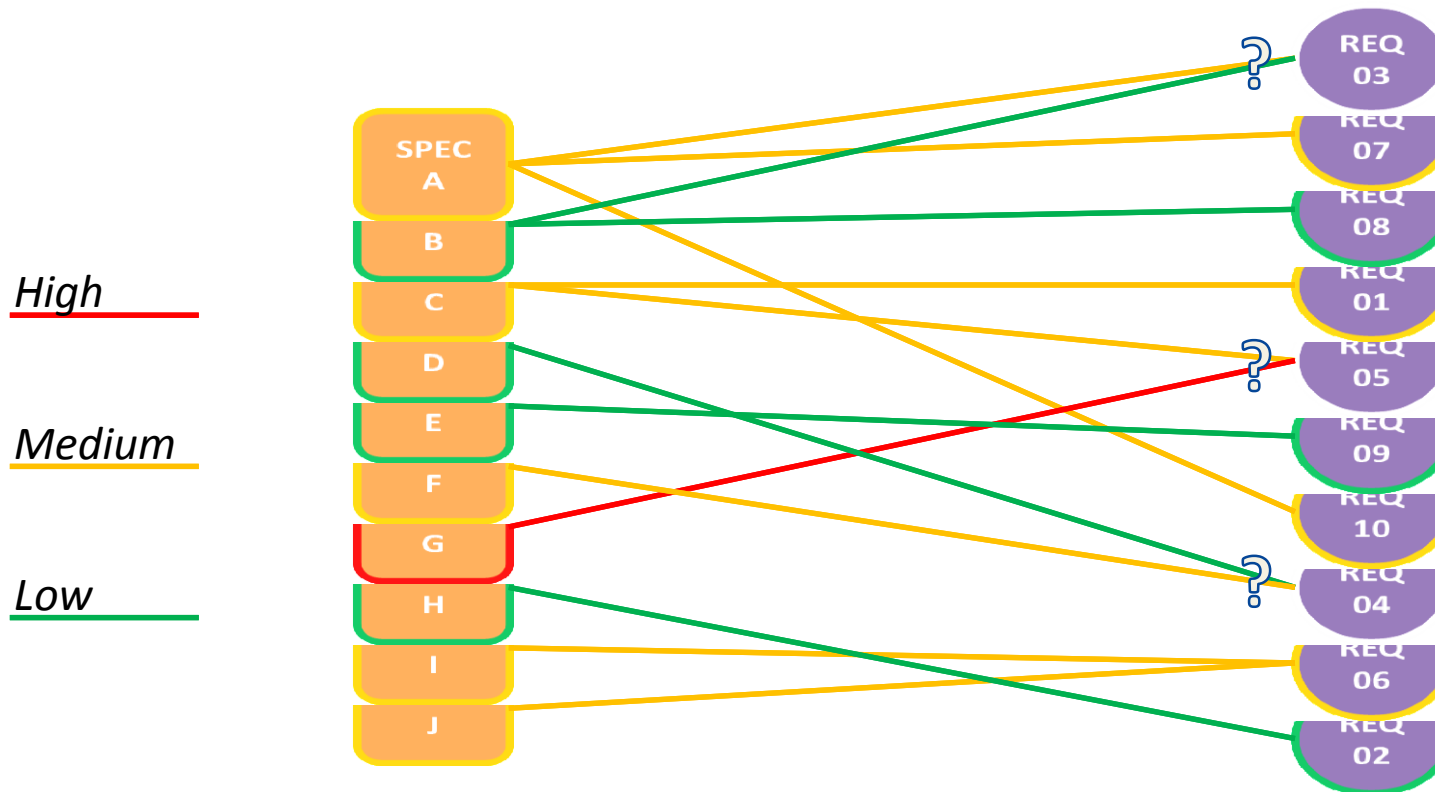
De kans dat het product faalt in relatie tot de verwachte schade wanneer het falen van het product optreedt in de productie omgeving.



Probleemstelling 1/5



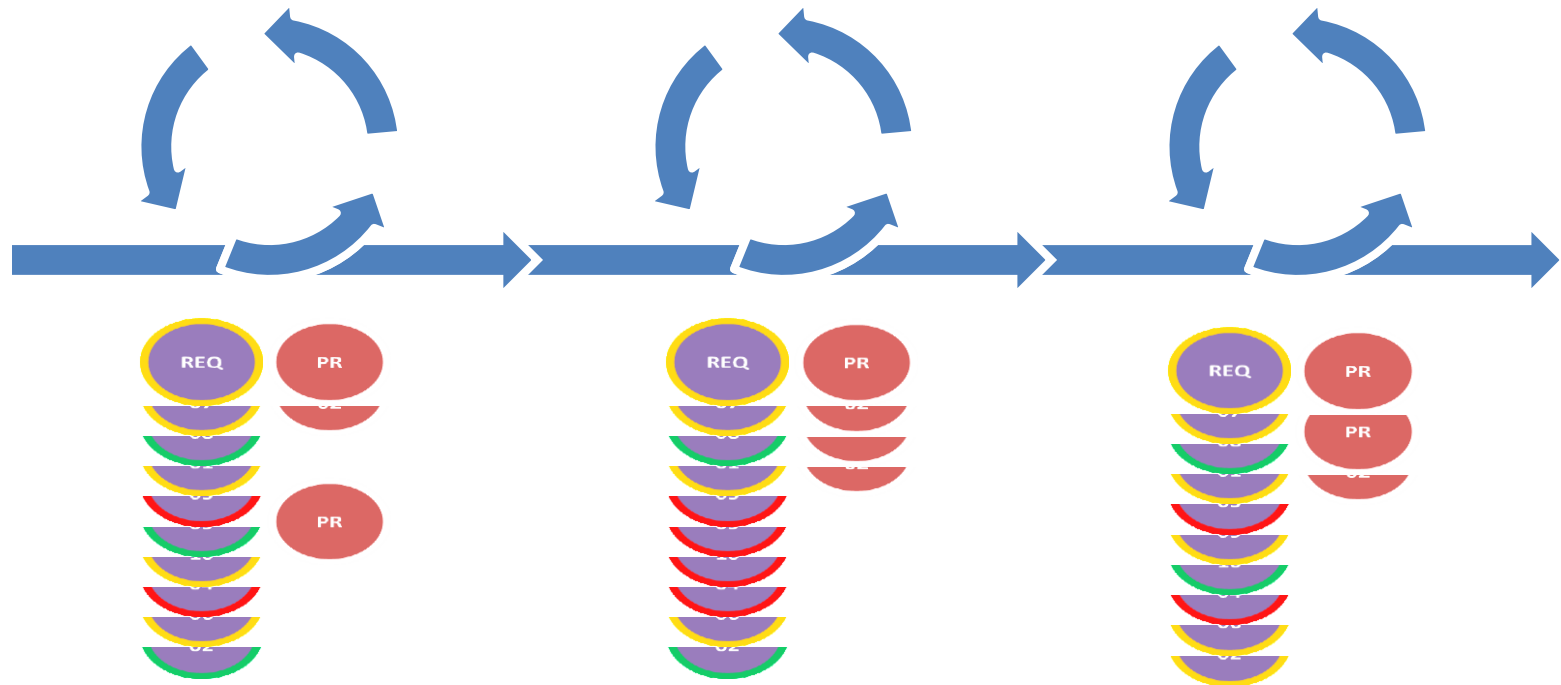
Risicoanalyses werden niet vertaald naar de Backlog waardoor een risico gebaseerde aanpak lastig is.



Probleemstelling 2/5



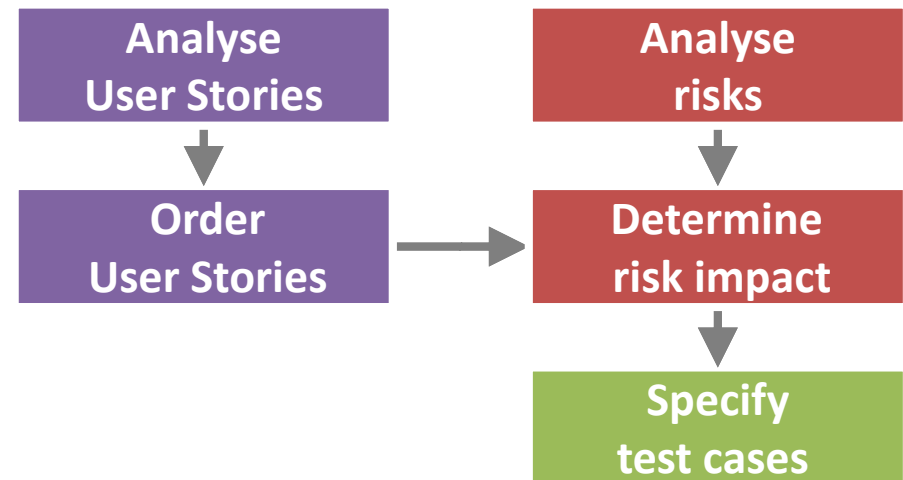
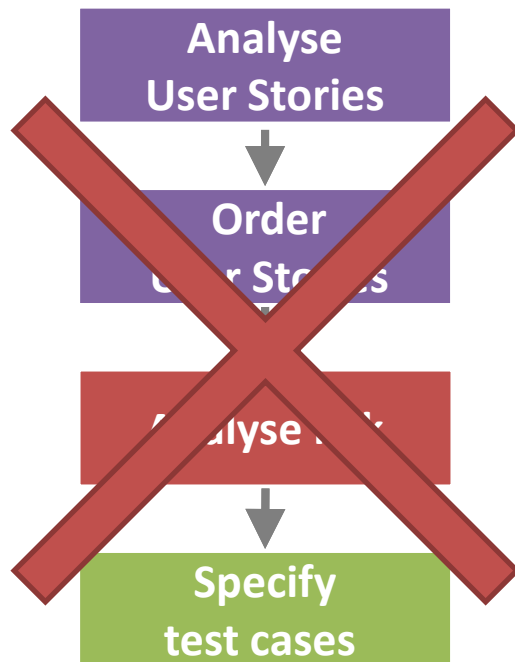
Risicoanalyses werden niet iedere iteratie herijkt, waardoor ze binnen een sprint verouderd waren.



Probleemstelling 3/5



Risicoanalyses werden alleen gedaan vanuit requirements, waardoor sommige productrisico's gemist werden.



Probleemstelling 4/5



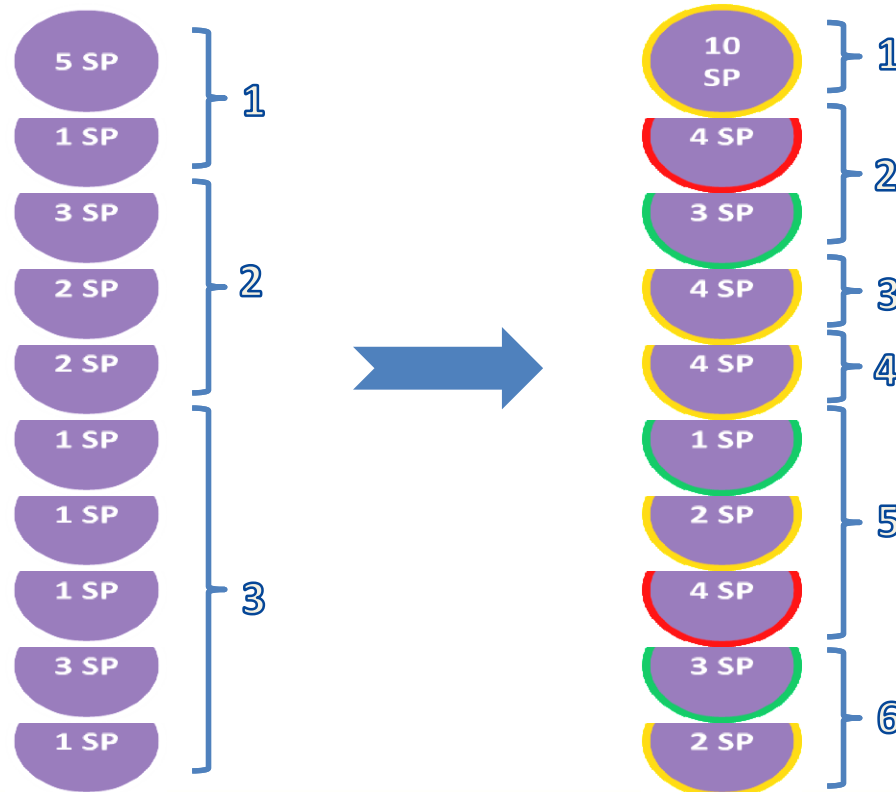
Risicoanalyses werden gedaan, maar de gevolgen werden niet meegewogen in planning sessies.

Team Velocity
=
7 Story Points

High = $n * 4$

Medium = $n * 2$

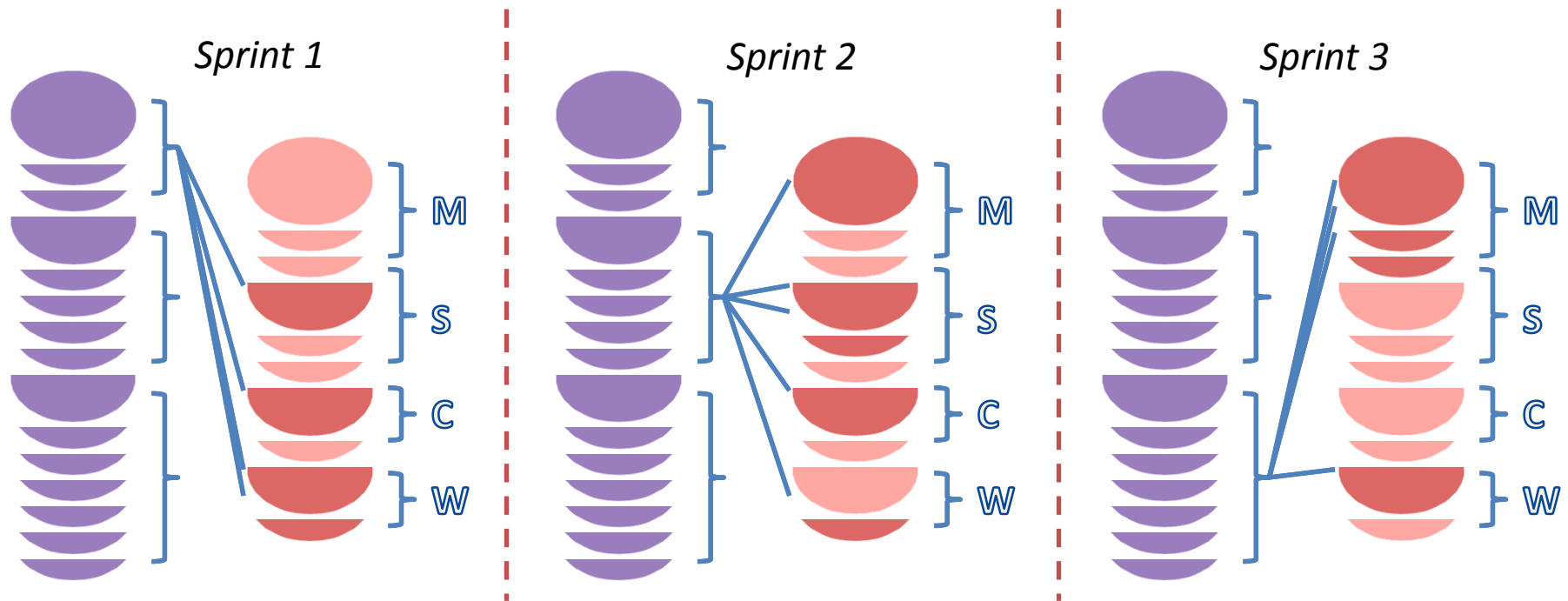
Low = $n * 1$



Probleemstelling 5/5



Risicoanalyses worden gedaan, maar men baseerde de strategie op de productrisico's met MoSCoW wat niet zomaar past in Agile.





Verzamel Risico Items



Verzamel Risico Items

- Verzamel & Order Requirements
- Verzamel Productrisico's

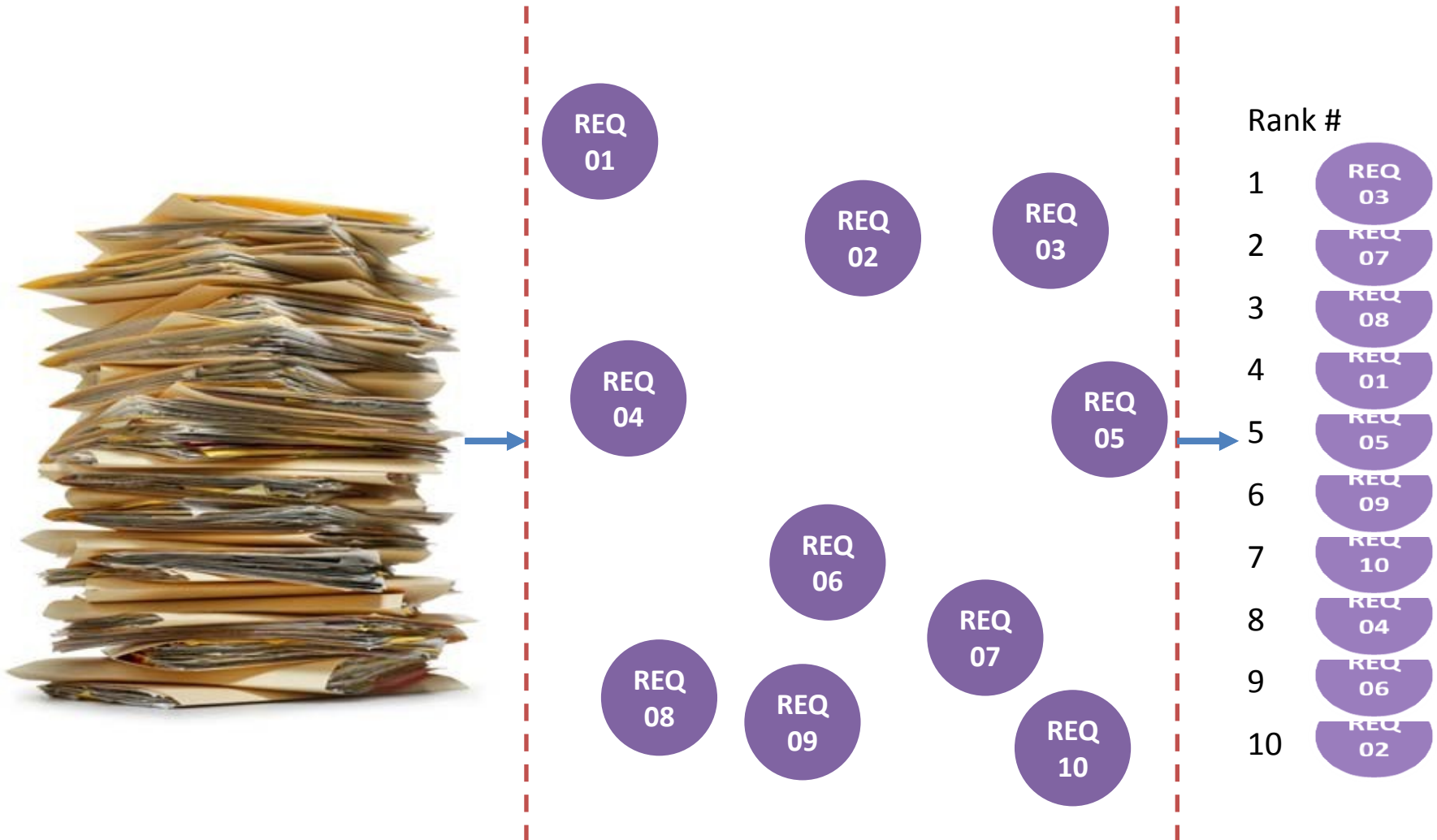
Calculeer Risico Items

- Bepaal Impact & Kans Factoren
- Weeg & Calculeer Risico Item/Factoren

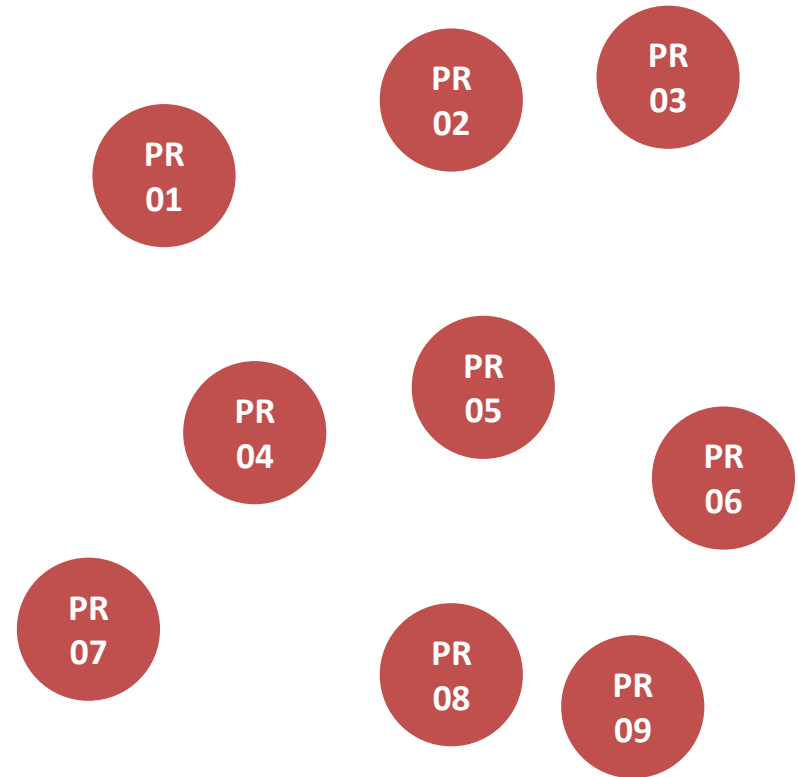
Plot Risico Items

- Map Requirements & Productrisico's

Verzamel & Order Requirements



Verzamel Productrisico's



Verzamel Risico Items

- Verzamel & Order Requirements
- Verzamel Productrisico's

Calculeer Risico Items

- Bepaal Impact & Kans Factoren
- Weeg & Calculeer Risico Item/Factoren

Plot Risico Items

- Map Requirements & Productrisico's

Bepaal Impact & Kans Factoren



Impact factoren e.d.

- Gebruik
- Zichtbaarheid
- Faalkosten
- ...

Kans Factoren e.d.

- Complexiteit
- Hergebruik
- Koppelingen
- Afhankelijkheden
- Grootte
- ...

*Impact = Gebruik * Zichtbaarheid * Faalkosten*

*Kans = Complexiteit * Hergebruik * Koppelingen * ...*

Weeg & Calculeer Risico Item/Factoren



KANS				REQUIREMENT	RISICO KLASSE	IMPACT			
Factor A	Factor B	Factor C	TOTAL			TOTAL	Factor A	Factor B	Factor C
High	High	High	High	REQ 01	Medium	Low	Low	Low	Low
Low	Medium	Medium	Low	REQ 02	Medium	Medium	High	High	Low
Medium	Medium	Low	Medium	REQ 03	Medium	Medium	Medium	Low	Low
High	High	Medium	High	REQ 04	High	Medium	High	Medium	High
High	Low	Low	Medium	REQ 05	Medium	Medium	Low	Medium	Low
Medium	Low	Low	Low	REQ 06	Low	Low	Low	Low	Medium
Medium	Medium	Medium	Medium	REQ 07	High	High	Medium	High	High
Low	Medium	High	Low	REQ 08	Low	Low	Medium	Low	Low
Low	Low	Low	Low	REQ 09	Low	Low	Medium	Low	Low
Medium	Medium	Medium	Medium	REQ 10	Medium	Medium	Low	Medium	Medium

Plot Risico Items



Verzamel Risico Items

- Verzamel & Order Requirements
- Verzamel Productrisico's

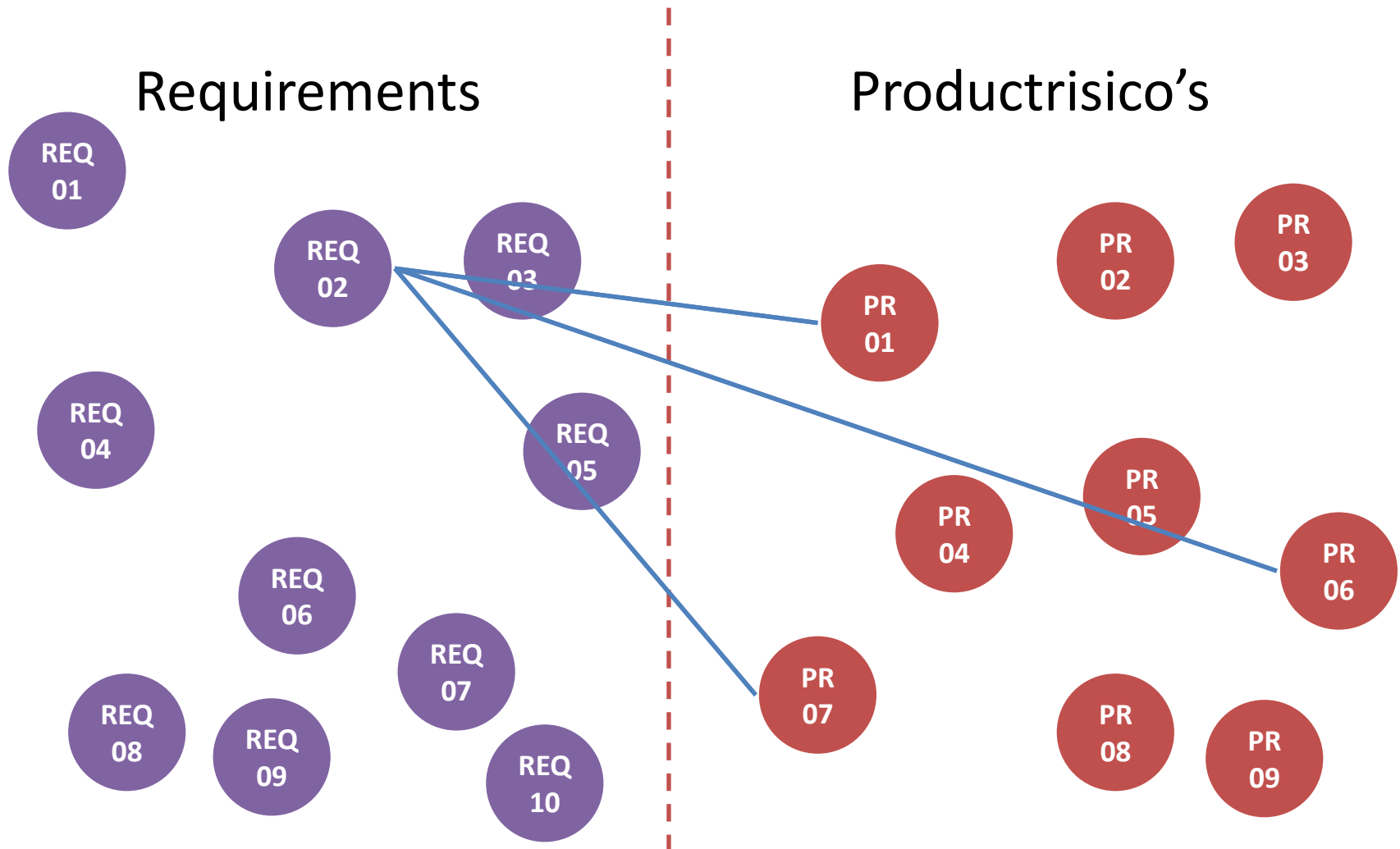
Calculeer Risico Items

- Bepaal Impact & Kans Factoren
- Weeg & Calculeer Risico Item/Factoren

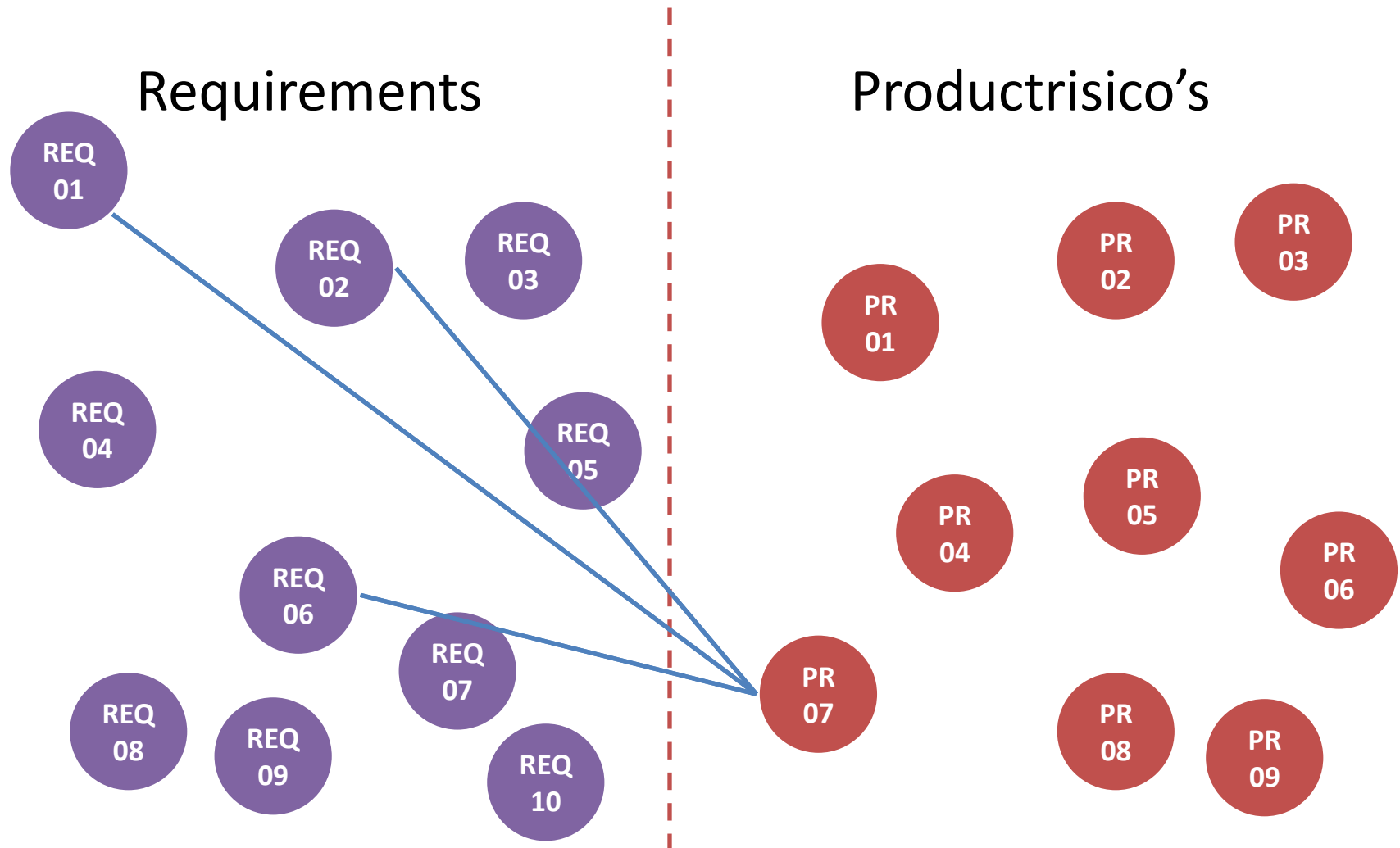
Plot Risico Items

- Map Requirements & Productrisico's

Map Requirements & Productrisico's 1/3



Map Requirements & Productrisico's 2/3



Map Requirements & Productrisico's 3/3



Product- risico Req- uirement	PR 01	PR 02	PR 03	PR 04	PR 05	PR 06	PR 07	PR 08	PR 09
REQ 01	•						•	•	•
REQ 02	•					•	•		
REQ 03		•							
REQ 04		•	•						
REQ 05				•					•
REQ 06					•		•		
REQ 07	•					•			
REQ 08				•					•
REQ 09			•					•	
REQ 10	•	•	•						



Risicoklasse tactiek



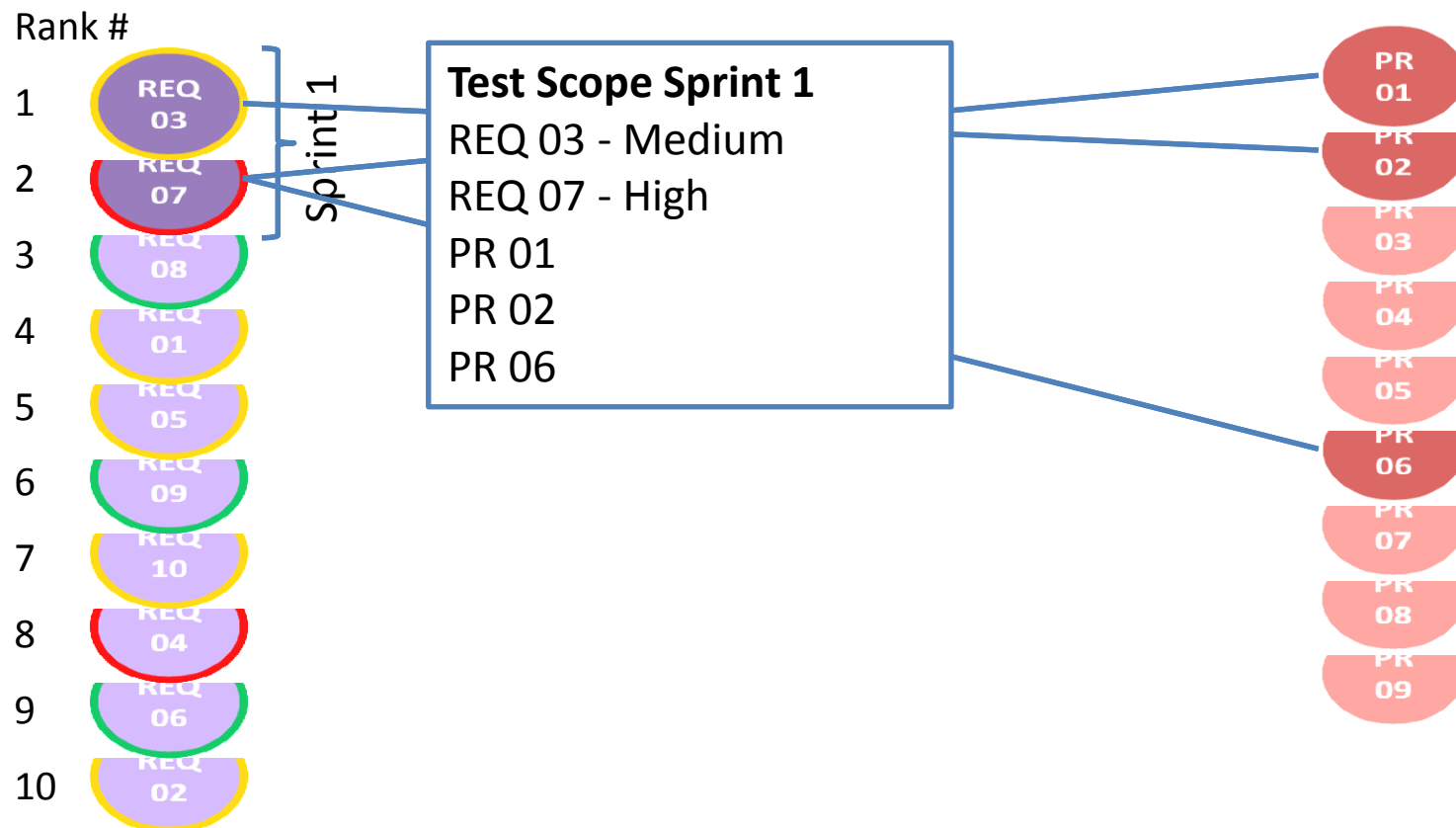
	High	Medium	Low
Testbasis toetsen middels	Inspectie	Walkthrough	Peer review
UT testgeval review	Testlead	Tester	-
ST testgeval Review	Testlead	Tester	-
Testgeval opnemen in regressieset	Sprint + release	Release	-
Testgeval automatiseren?	CodedUI	Record & Playback	-
Testuitvoer op browsers	Top 3	Top 2	Top 1

High = testwerk * 4

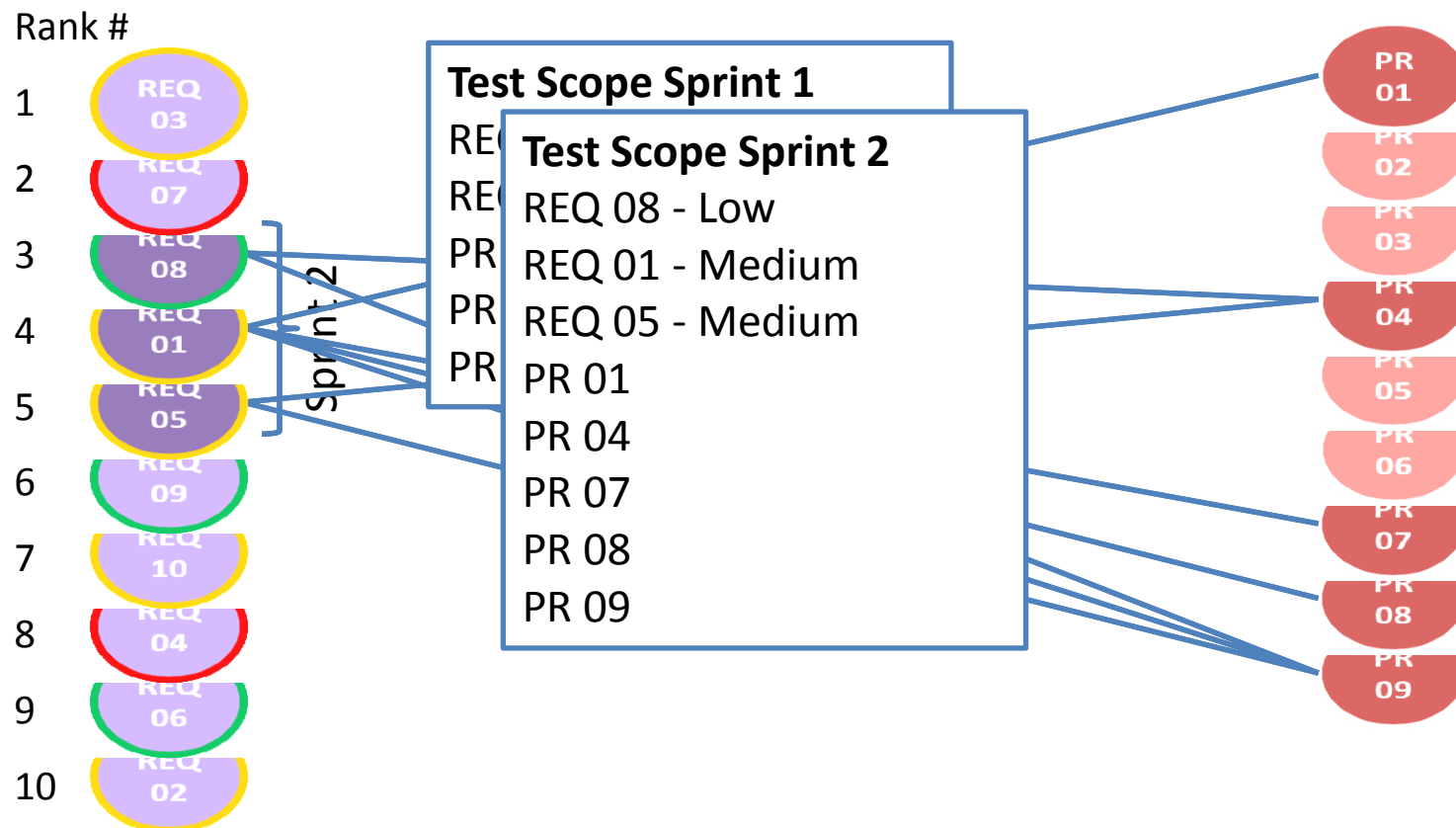
Medium = testwerk * 2

Low = testwerk * 1

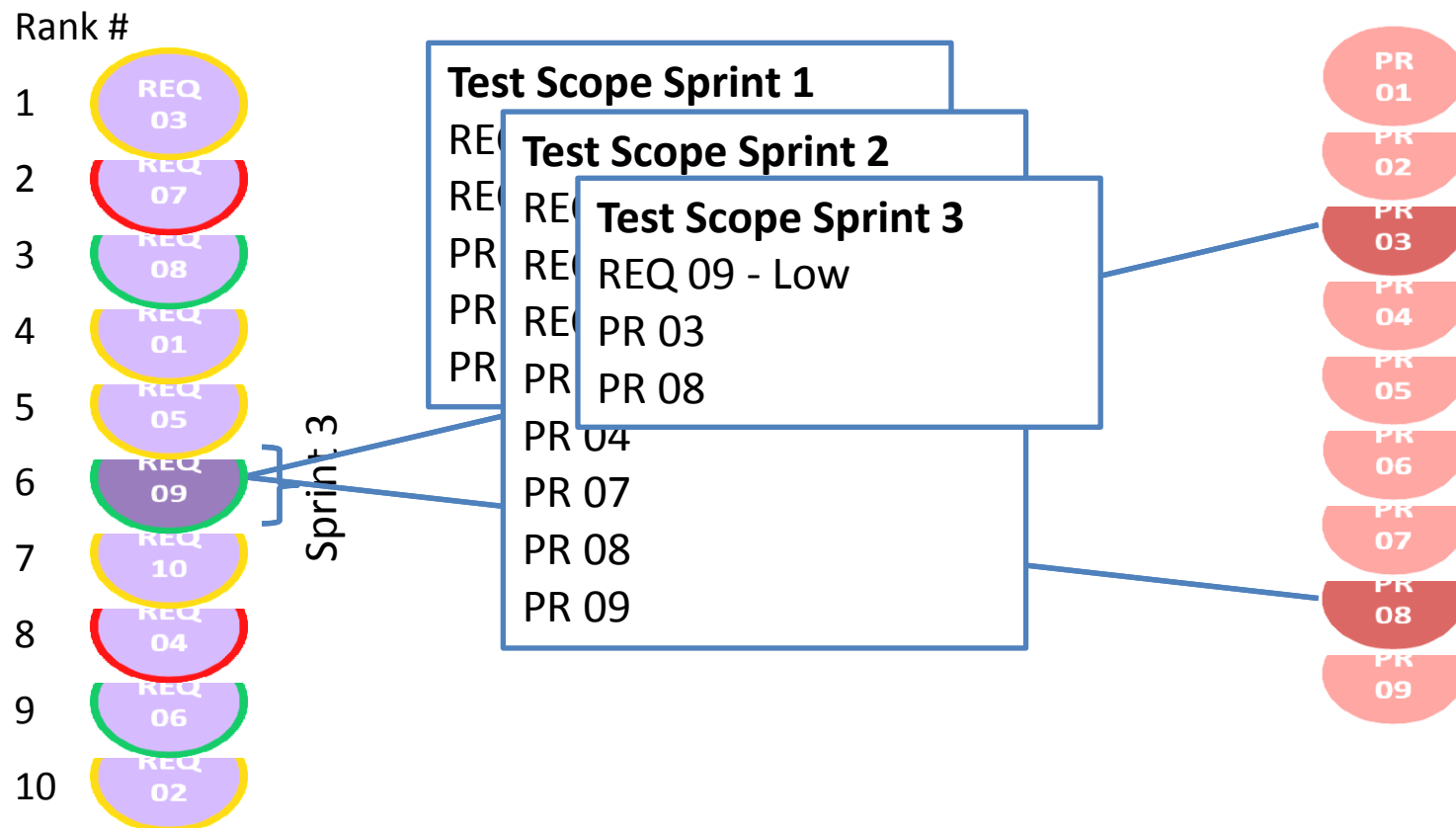
Sprint aanpak 1/3



Sprint aanpak 2/3



Sprint aanpak 3/3



Inzicht in risico en requirement dekking



Product- risico Req- uirement	PR 01	PR 02	PR 03	PR 04	PR 05	PR 06	PR 07	PR 08	PR 09
REQ 01	2						2	2	2
REQ 02	•					•	•		
REQ 03		1							
REQ 04		•	•						
REQ 05				2					2
REQ 06					•		•		
REQ 07	1					1			
REQ 08				2					2
REQ 09			3					3	
REQ 10	•	•	•						





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