(Maybe) Narrowing Information Model Elements

What Do We Really Need?

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IETF 97

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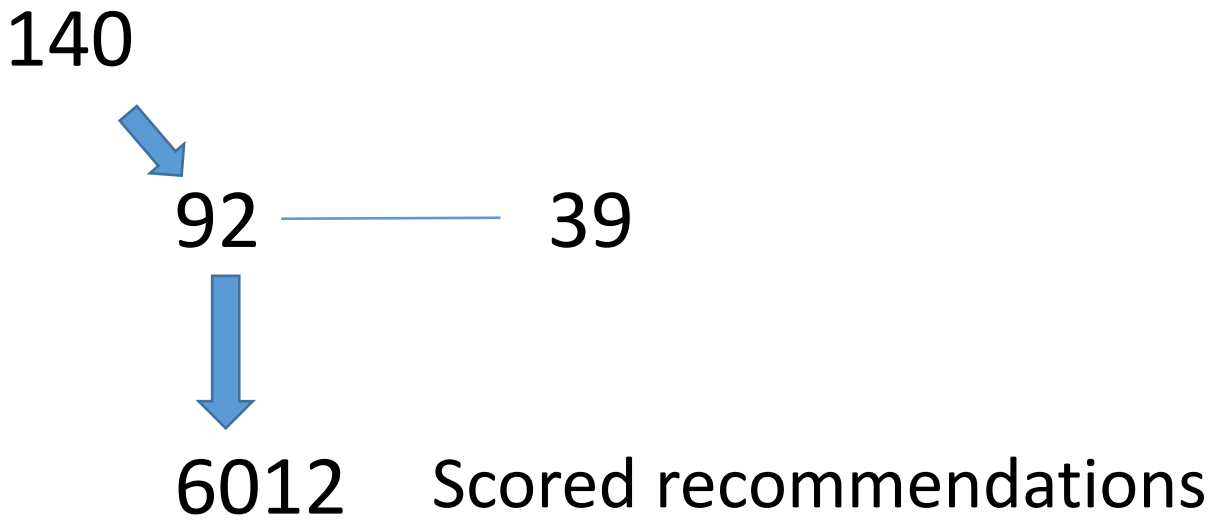
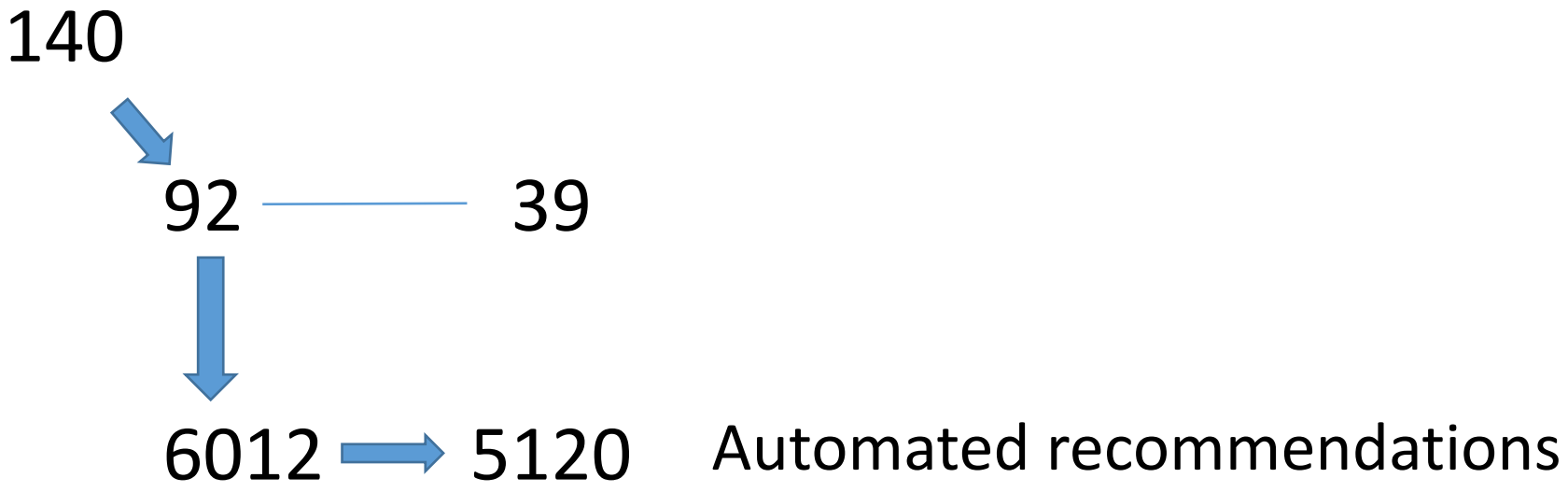
140 Benchmarks (technology configuration recommendations)

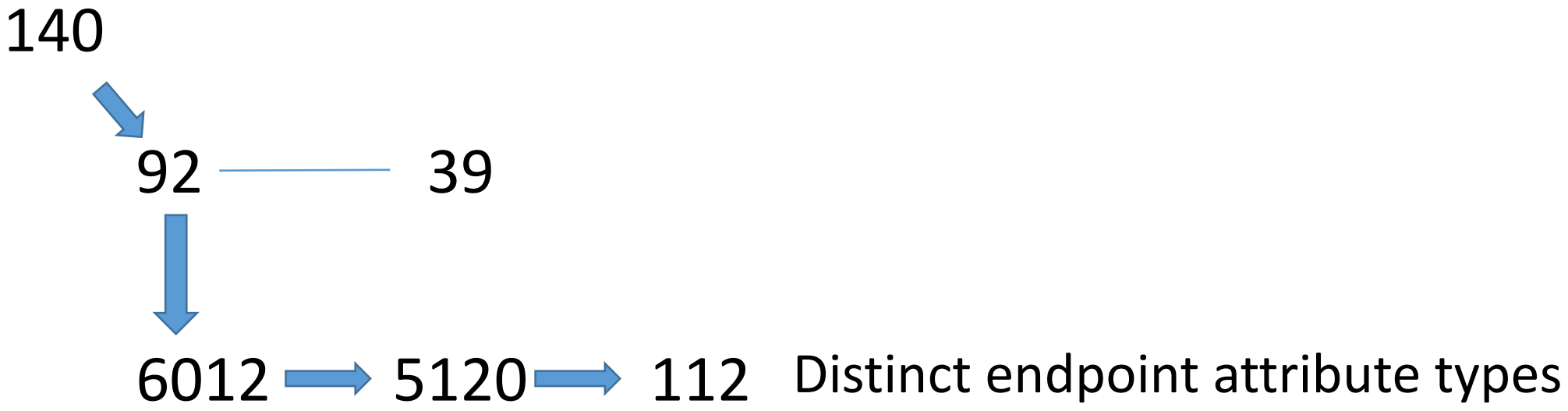
140

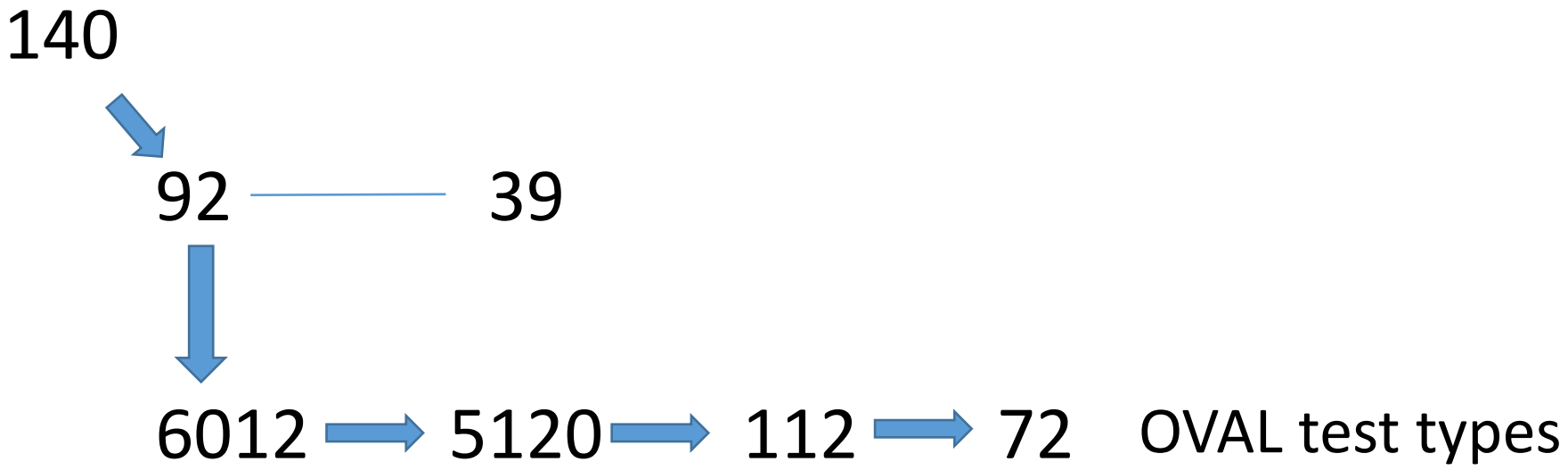
92 Benchmarks we can analyze (they’re not just docs)

Benchmarks with at least one recommendation not automated


140
92
39
6012
Scored recommendations


140
92
39
6012
5120
Automated recommendations


140
92
39
6012
5120
112
Distinct endpoint attribute types


140
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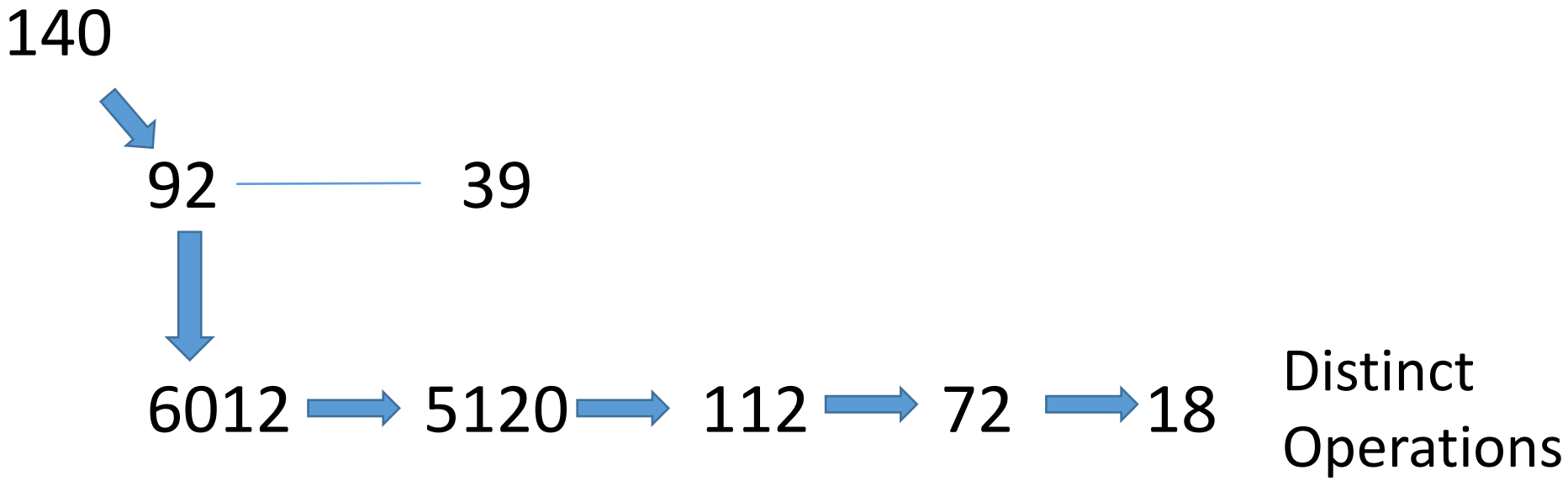
5120
112
72
OVAL test types


140
92
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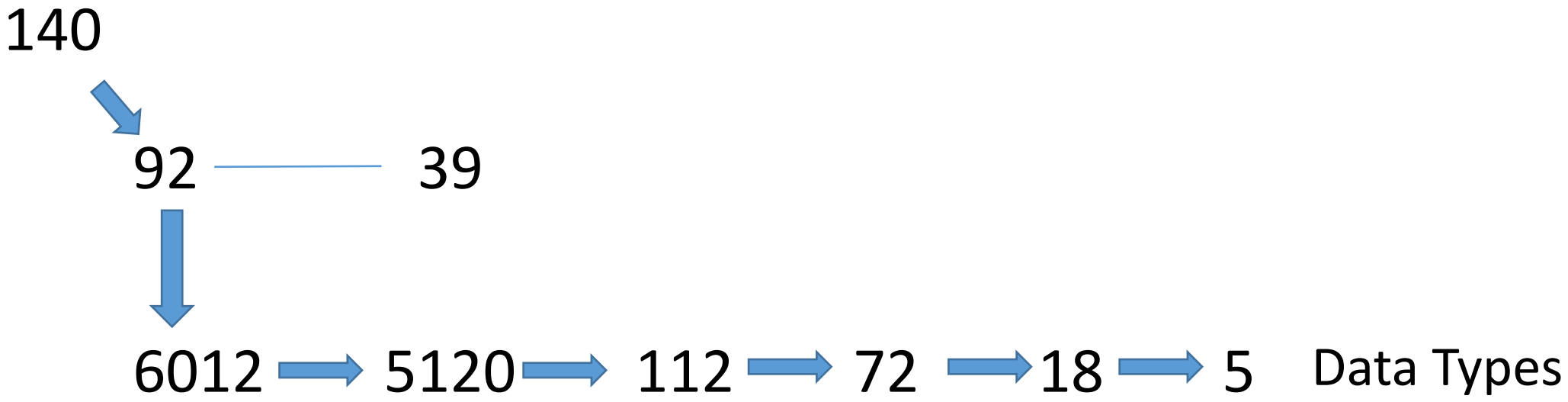
Distinct
Operations


140
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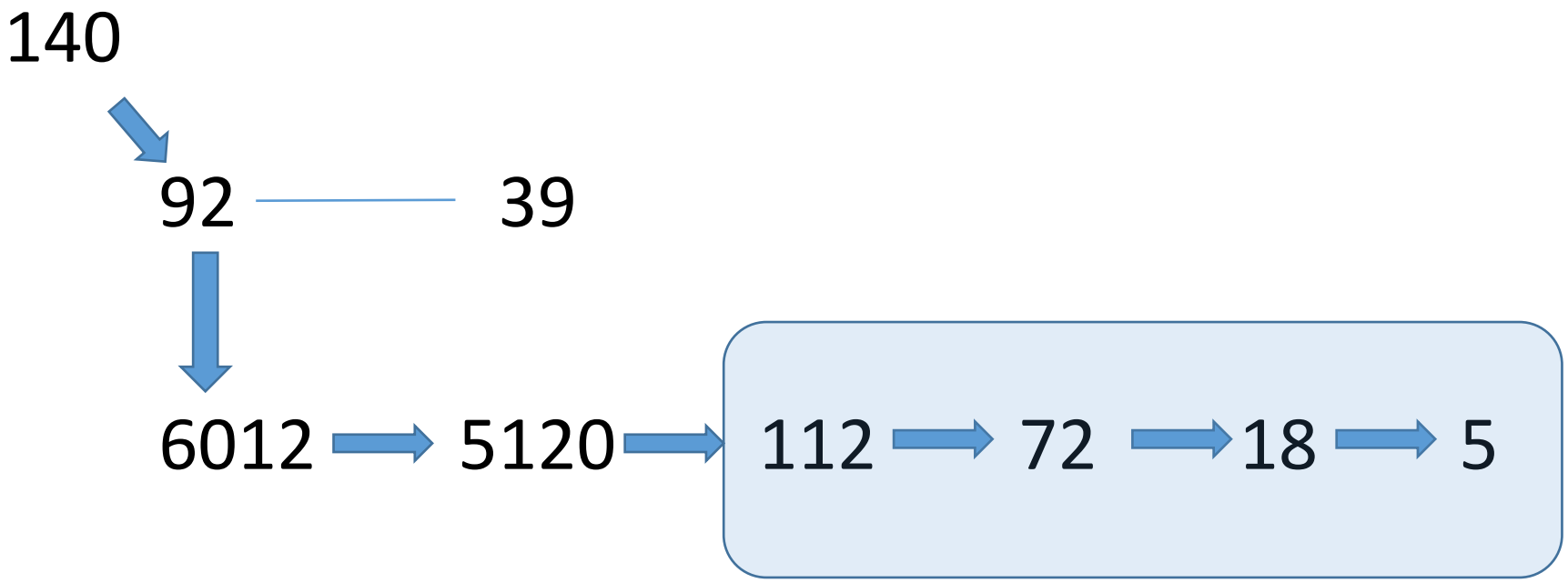
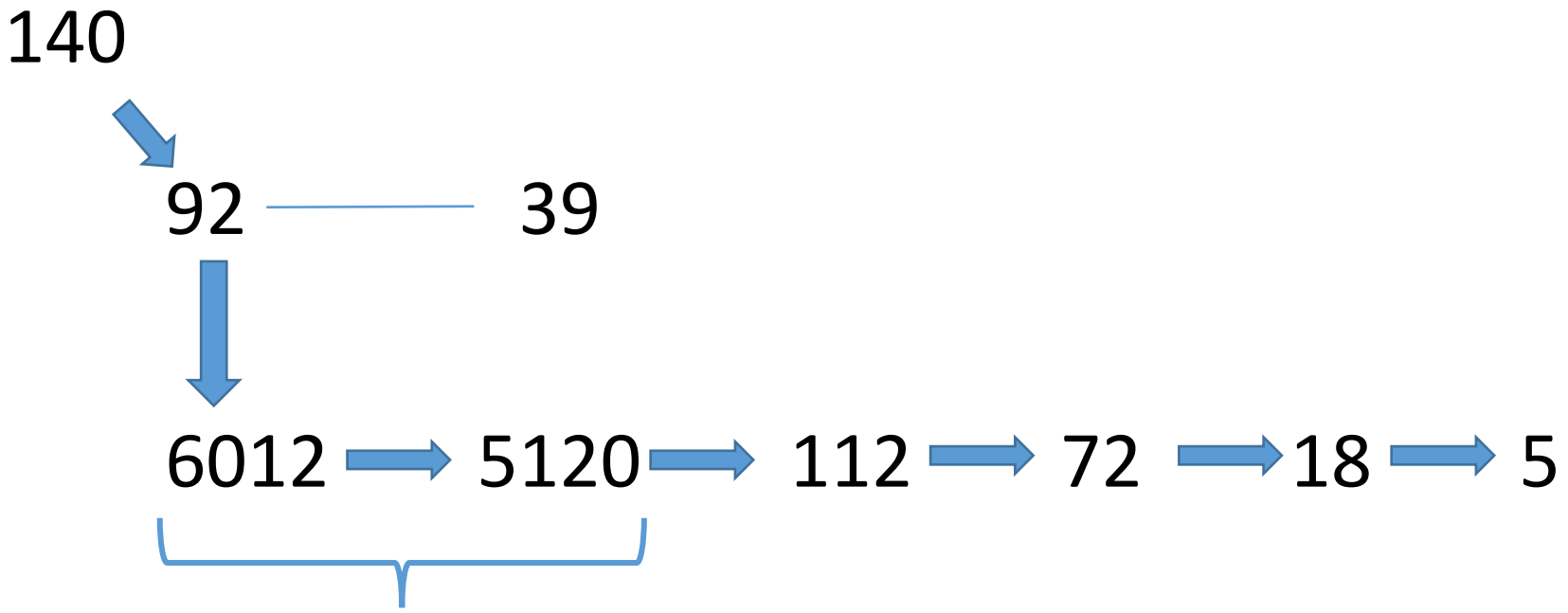
5
Data Types

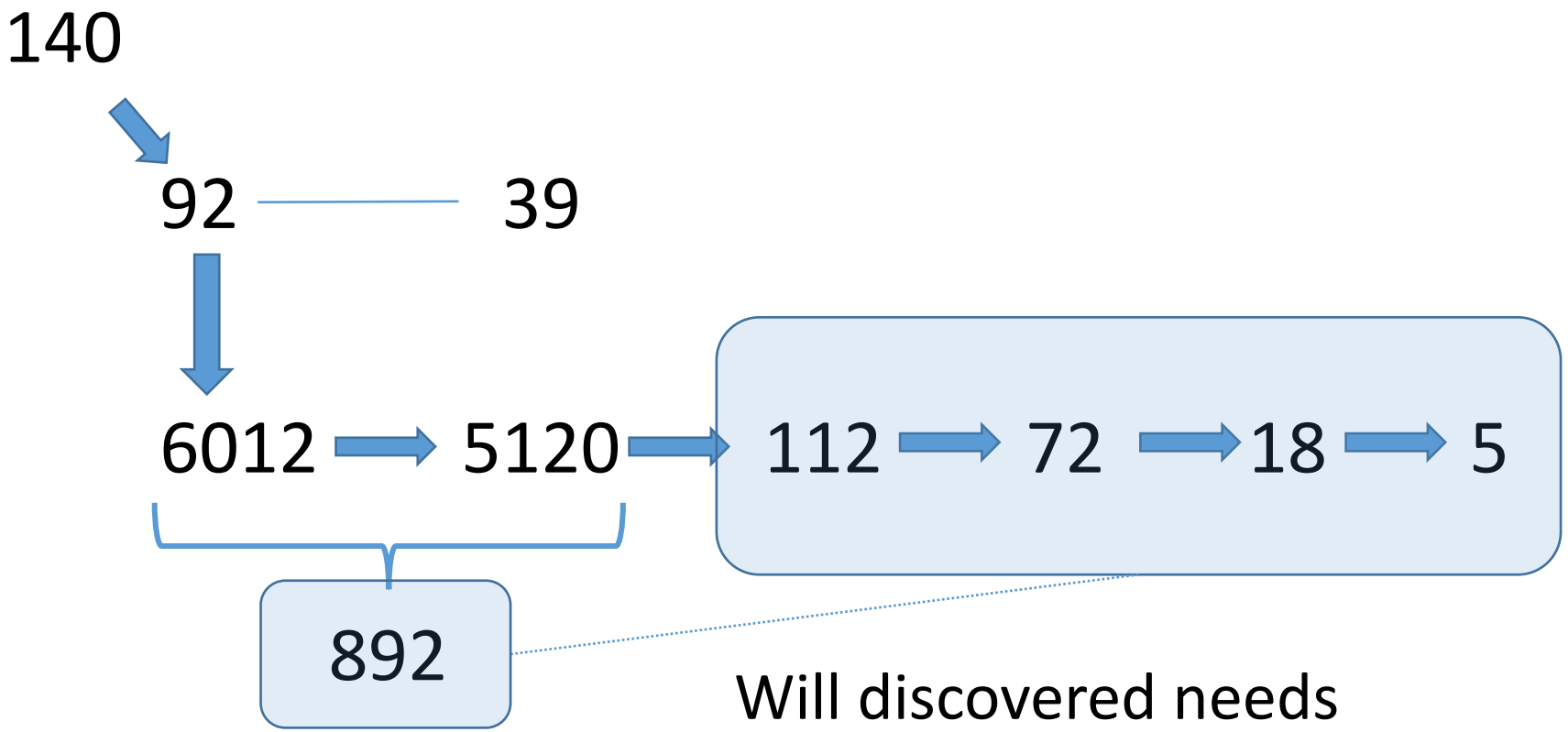


This doesn’t feel so ominous.



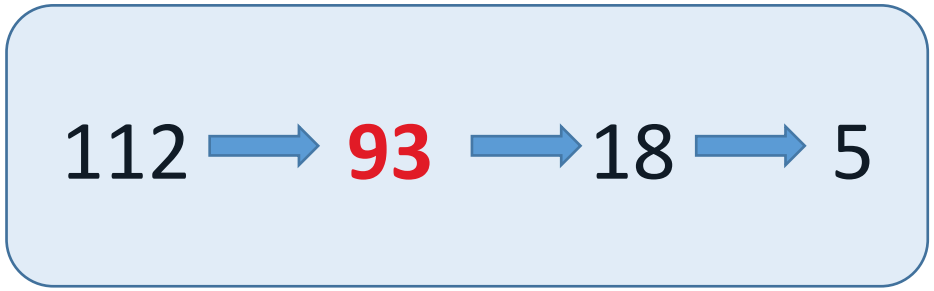
Except… 892

Recommendations
that ought to be
automated but aren’t.



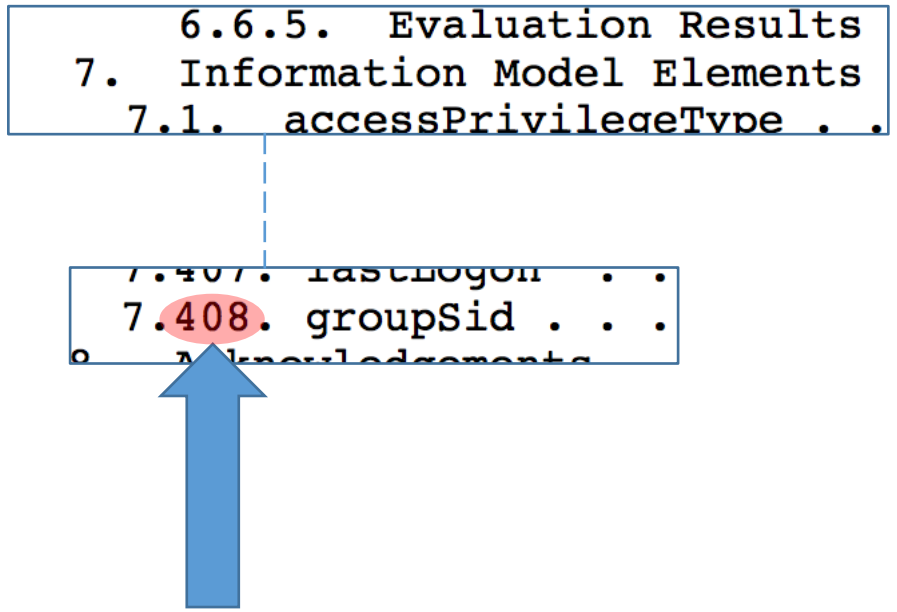
Will discovered needs have a dramatic impact?

By the way, the OVAL repository (vulnerability data set) has another 21 OVAL test types.



Still doesn’t seem too bad.

Now…



That seems like a lot.

But then again…

A gap in the functionality provided by existing protocols is a generalized mechanism to allow external components to drive data collection activities through a common, protocol agnostic collection interface. This is a feature supported by the SACM architecture through the definition of a common interface on the right-hand side that allows the CC to choreograph posture collection through implementations of existing management protocols on the left-hand side.

Seems to imply that the IM can’t be narrowed much?

Summary

Existing set of checks don’t seem too daunting

We have a large set of proposed Information Elements

The most recent architectural thoughts imply that we need to cover many

Do we need all 408 of those Information Elements?

Can we define a mapping framework to help scale?

Or, are we stuck?

Discussion