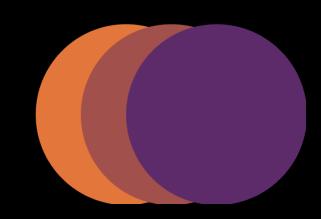
NOW WITNESS THE POWER OF FULLY OPERATIONAL PARTIAL EVALUATION!

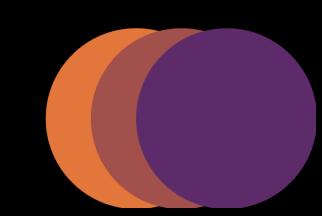


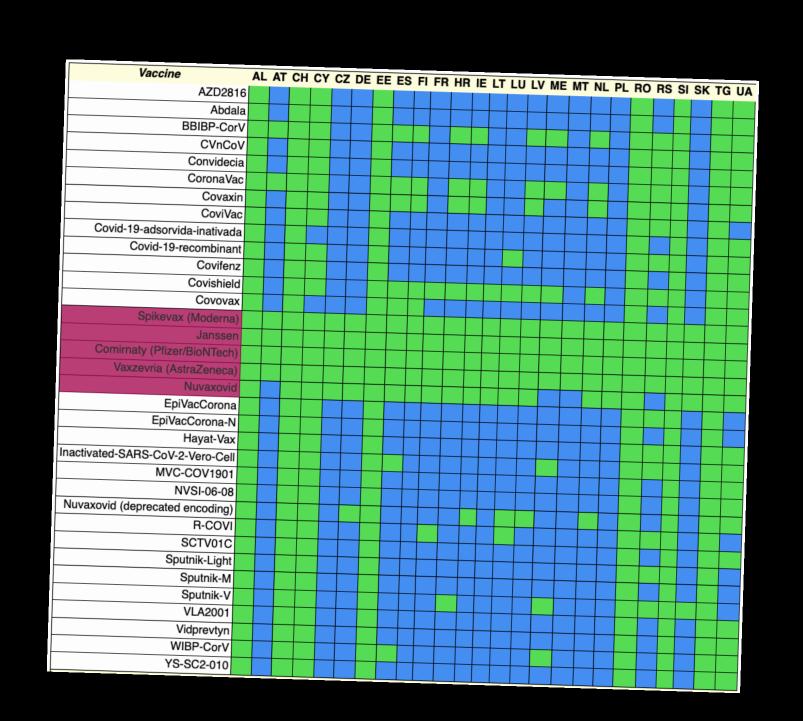
PARTIAL EVALUATION IS A TECHNIQUE TO RUN A PROGRAM AGAINST INPUT DATA THAT'S (ONLY) PARTIALLY KNOWN.



GOALS

PROGRAM OPTIMIZATION REASONING ABOUT BEHAVIOR (WITHOUT USING A DEBUGGER)





USE CASE

	1/1	2	/2	2/1	3	/3
Accepted vaccines	regs. on	Re	e-oper	EU (reg	s. on
Luxembourg (LU - 🚄)	1695. 0.					
ovid-19-recombinant, Covishield, Spikevax (Moderna), anssen, Comirnaty (Pfizer/BioNTech), Vaxzevria AstraZeneca), Nuvaxovid, Nuvaxovid (deprecated encoding),	14-270		-270	0-366		-366
-COVI	regs. o	n R	e-ope	n EU	(<u>re</u>	g <u>s. on</u>
Latvia (LV - 🚄)		T				
BBIBP-CorV, CoronaVac, Covaxin, Covishield, Spikevax Moderna), Comirnaty (Pfizer/BioNTech), Vaxzevria Moderna), Nuvaxovid, Nuvaxovid (deprecated encoding)	15-270	15	-270	0	-	0-
Moderna), Comirnaty (Pfizer/BioNTecn), Vaxzevila Moderna), Comirnaty (Pfizer/BioNTecn), Vaxzevila AstraZeneca), Nuvaxovid, Nuvaxovid (deprecated encoding)	15-270		0-	0)-	0-
lanssen	regs. 0	on F	Re-ope	en EU	(<u>re</u>	egs. or
Montenegro (ME - 🔼)	1095.	\top			\top	
BBIBP-CorV. CoronaVac, Covishield, Spikevax (Moderna),	C)-	0-180		0-	0-
Comirnaty (Pfizer/BioNTech), Vaxzevria (Astrazoniosa), Inactivated-SARS-CoV-2-Vero-Cell, Sputnik-V, WIBP-CorV	0-18	0	0-180)	0-	0-
Janssen	regs.	regs. on Re-open EU (regs. o				
Malta (MT - 📜)		\neg			0-	0
Spikevax (Moderna), Janssen, Comirnaty (Pfizer/BioNTech),		0-	0-270)	0-	
Vayzevria (Astrazerieca)	regs.	on	Re-o	pen El	<u>J</u> (<u>regs. c</u>
Netherlands (NL - 🚄)	1095					
BBIBP-CorV. CoronaVac, Covaxin, Covishield, Spikevax		70	14-27	O	0-	(
(Moderna), Comirnaty (Pfizer/BioNTech), Vaxzevita (AstraZeneca), Nuvaxovid, Nuvaxovid (deprecated encoding)	28-2	70		0-	0-	(
Janssen						

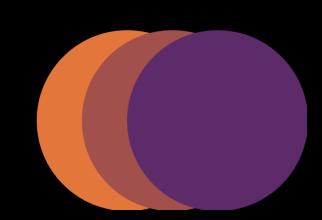
ANALYSIS OF BUSINESS RULES

FOR THE

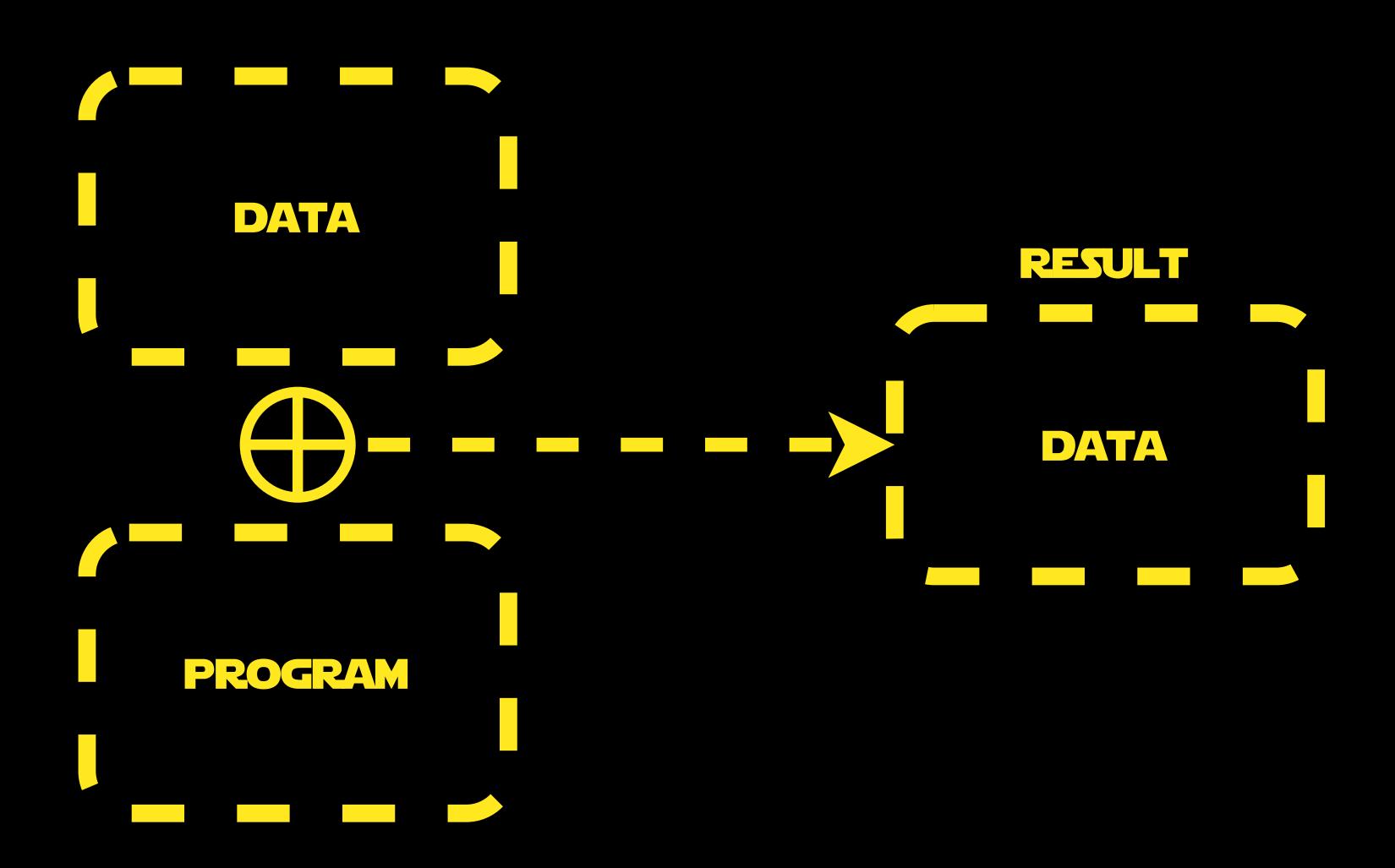
EU DIGITAL COVID-19 CERTIFICATE

CHALLENGE

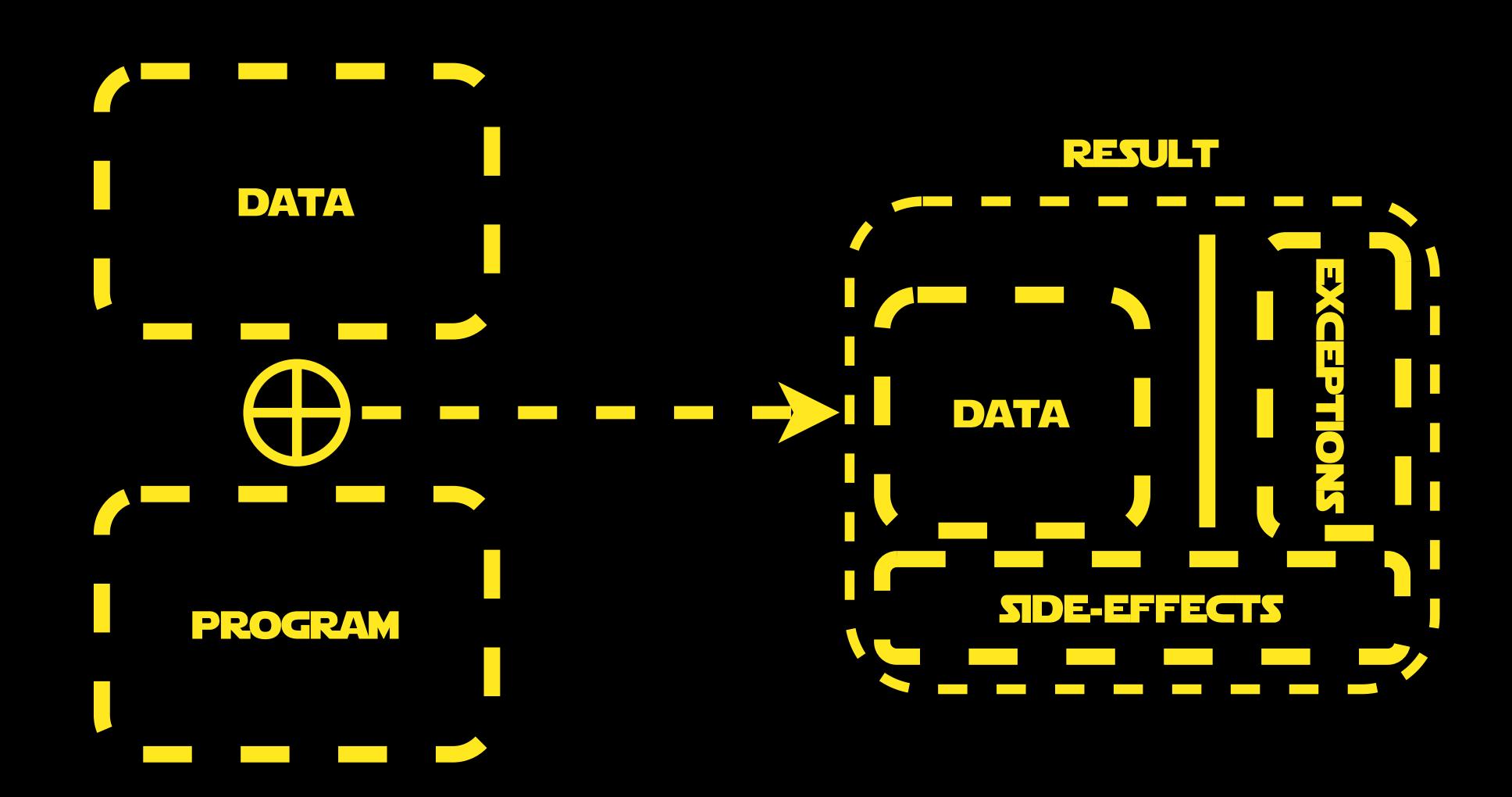
EXTEND THIS EXAMPLE LANGUAGE WITH PARTIAL EVALUATION



RUNNING A PROGRAM

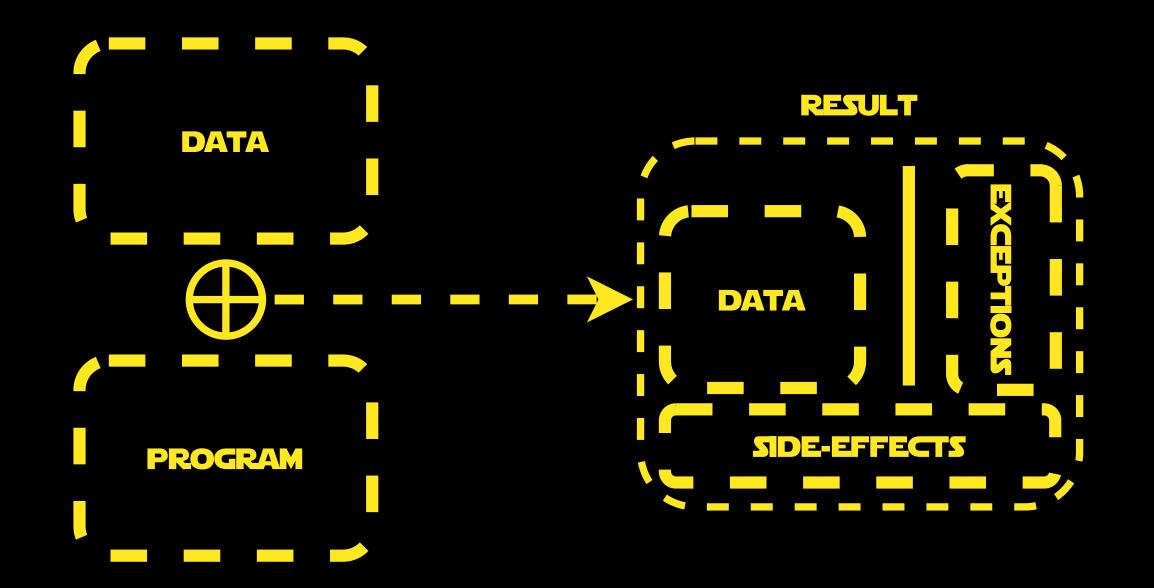


RINGAPROGRAM



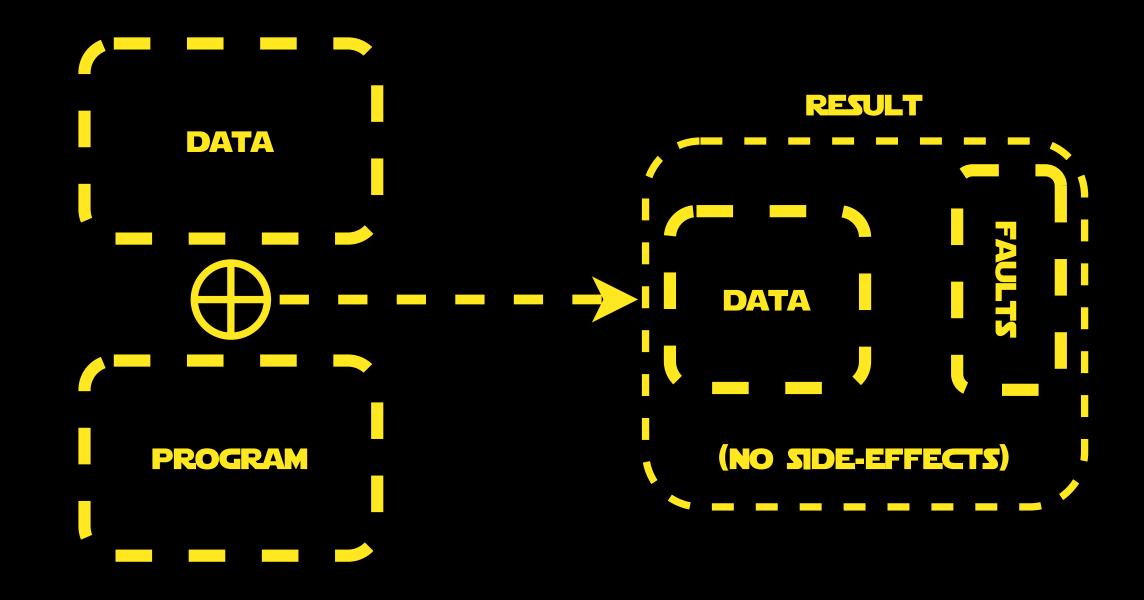
1. GET RID OF SIDE-EFFECTS

2. FAULT AS LITERAL

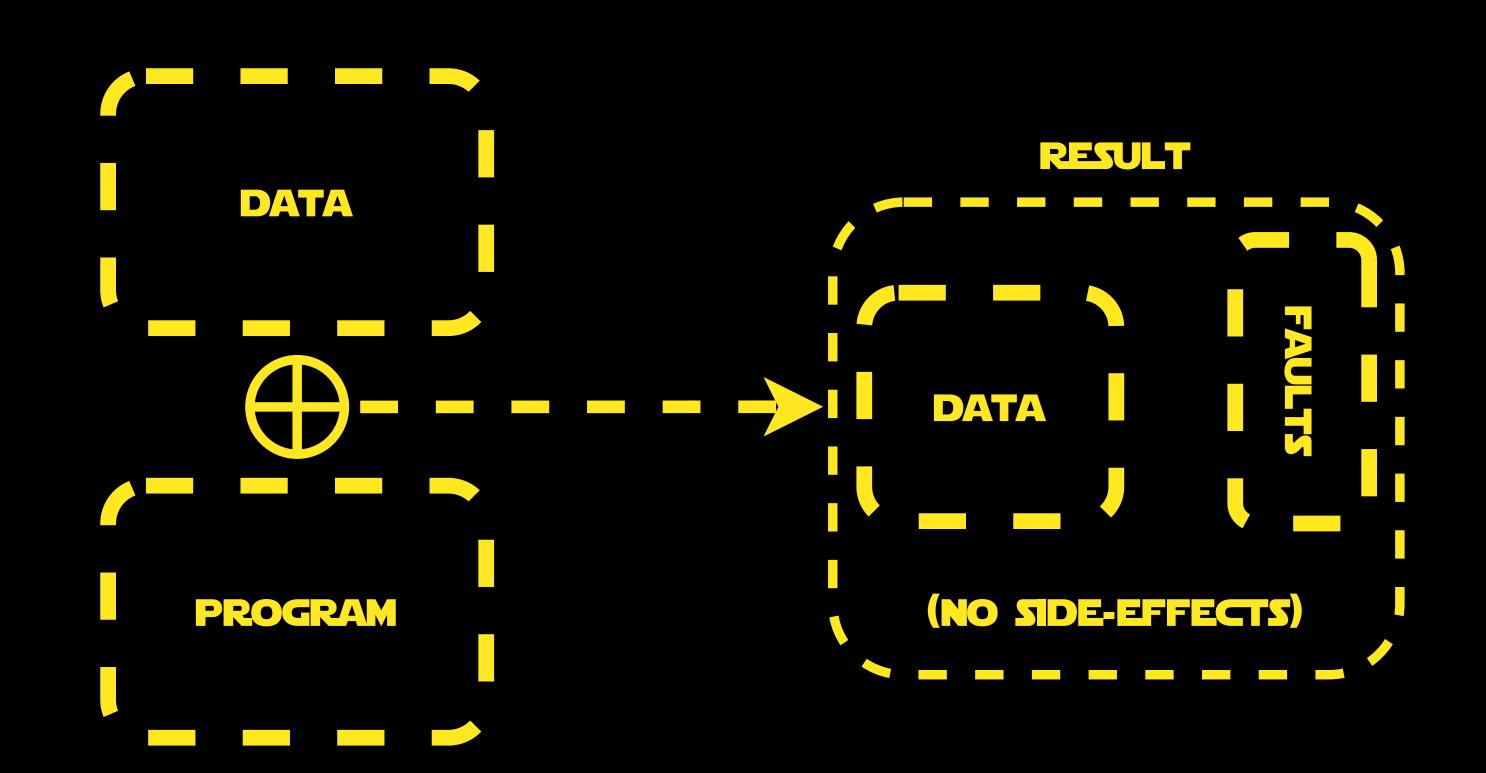


1. GET RID OF SIDE-EFFECTS

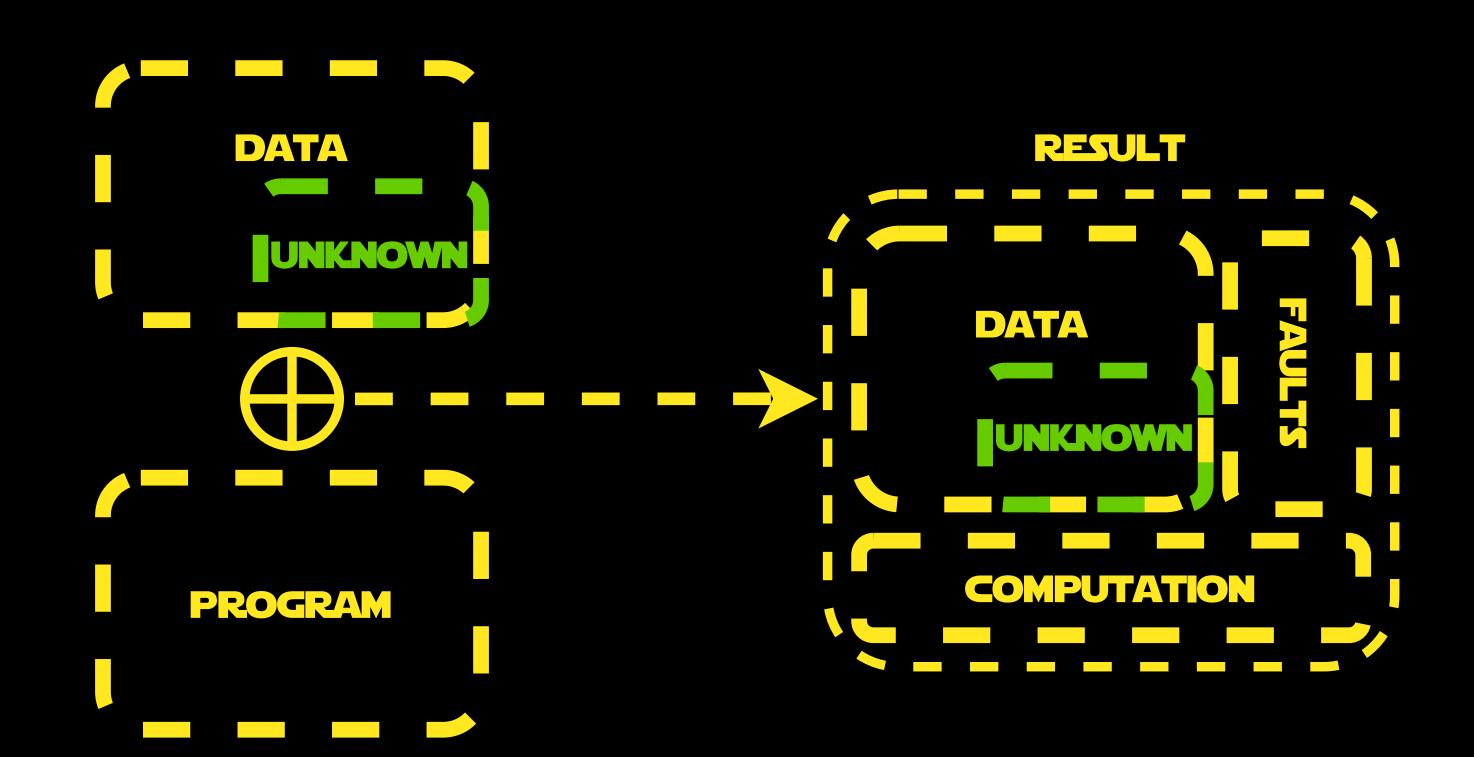
2. FAULT AS LITERAL



3. ADD LITERAL FOR <u>Unknown</u>

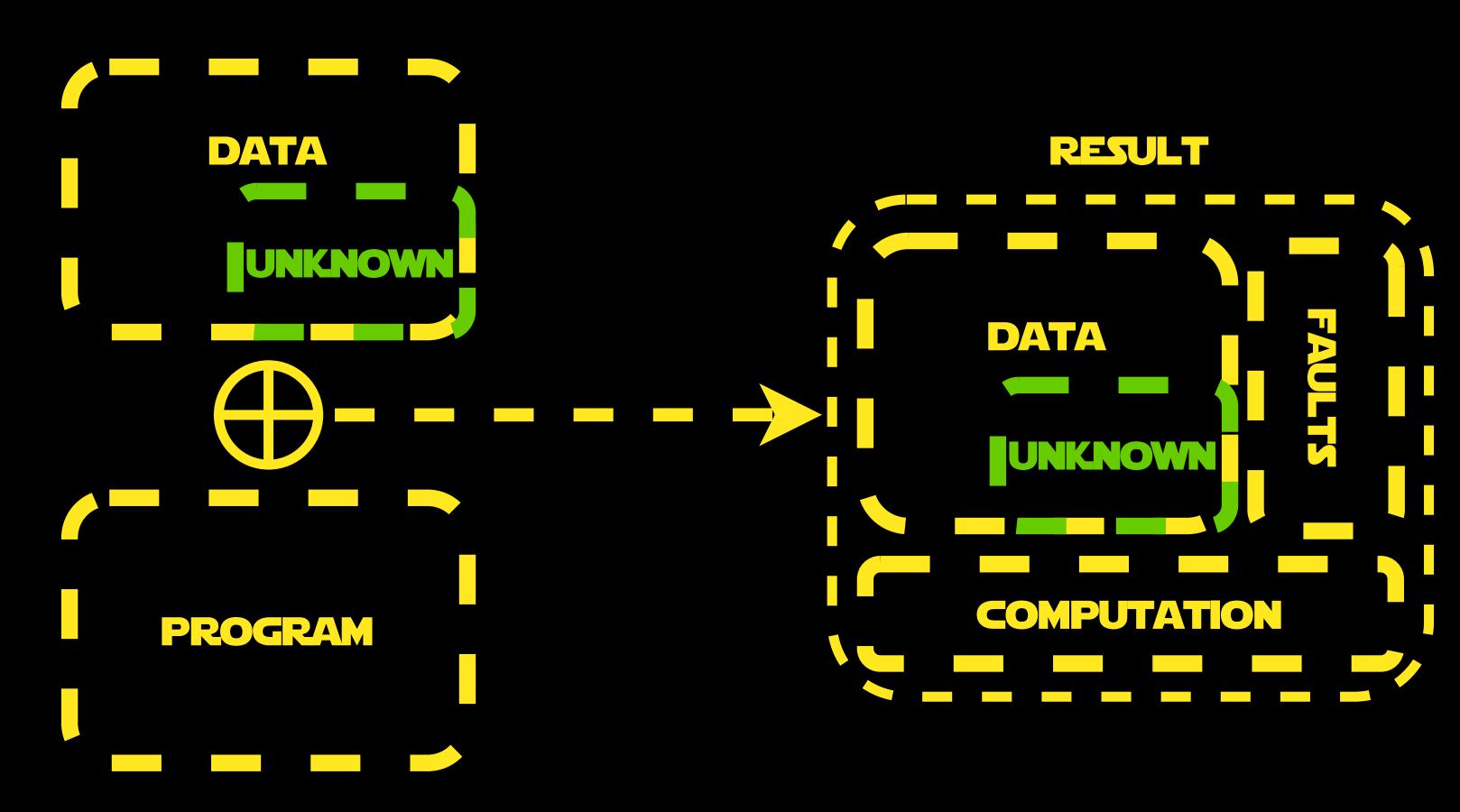


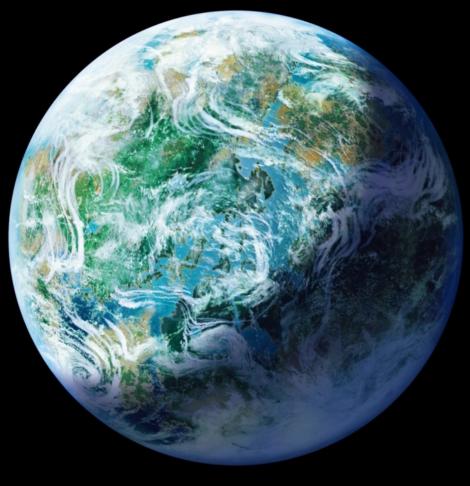
3. ADD LITERAL FOR <u>Unknown</u>



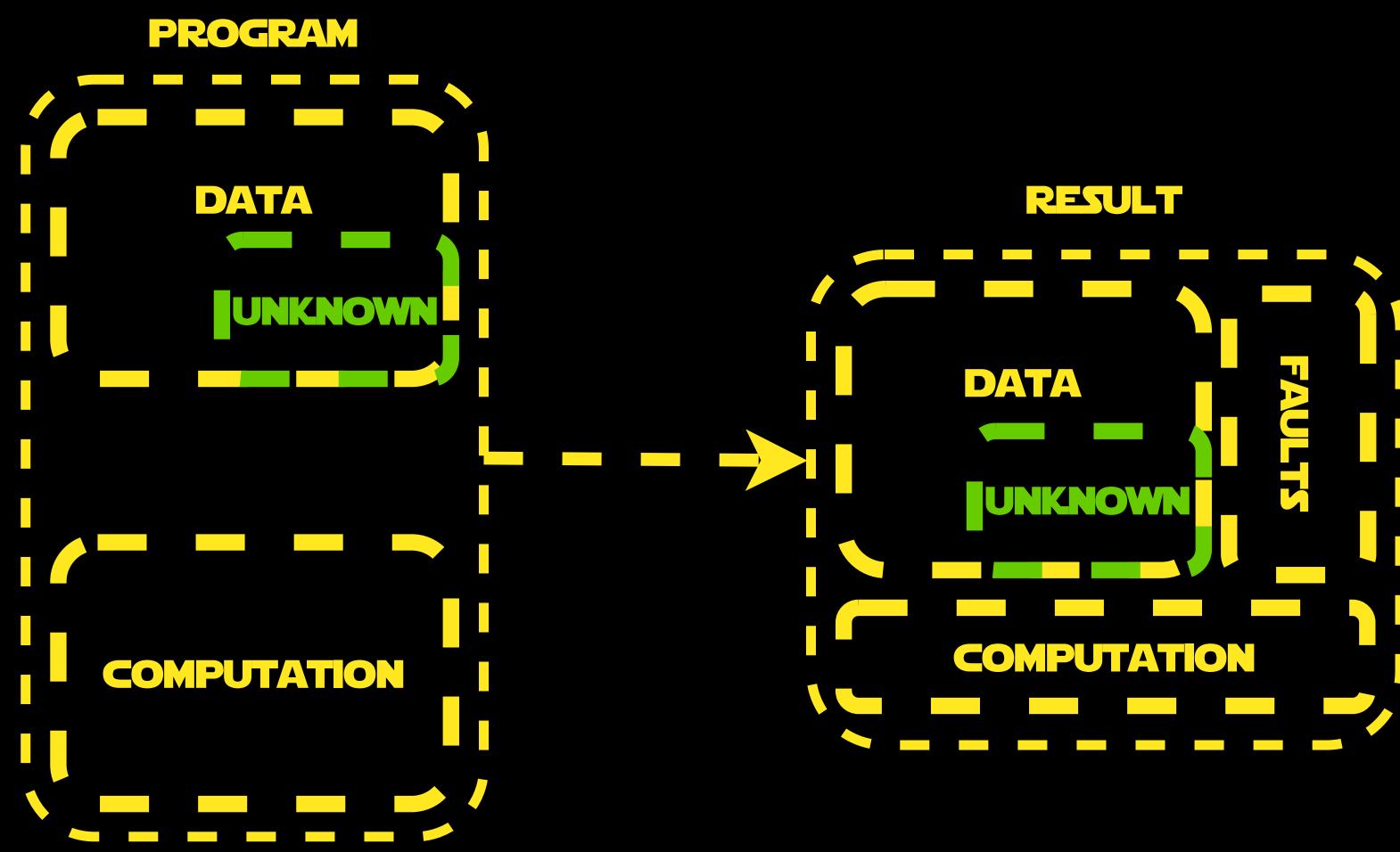


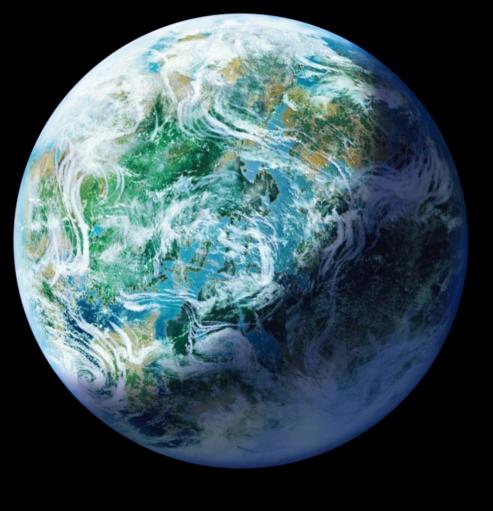
ENDO(R)MORPHISM



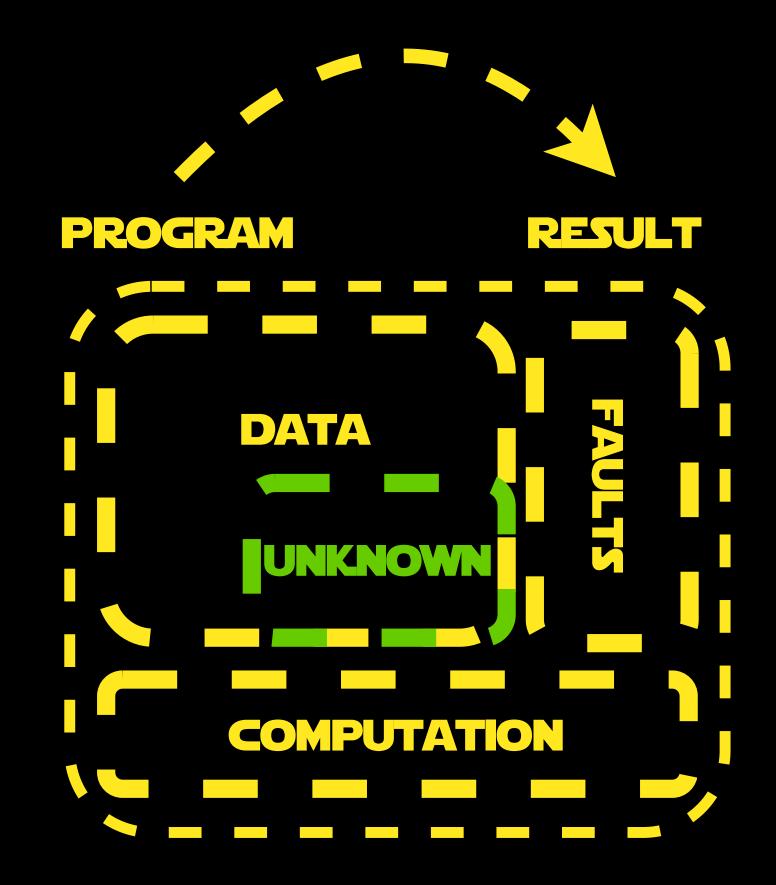


ENDO(R)MORPHISM

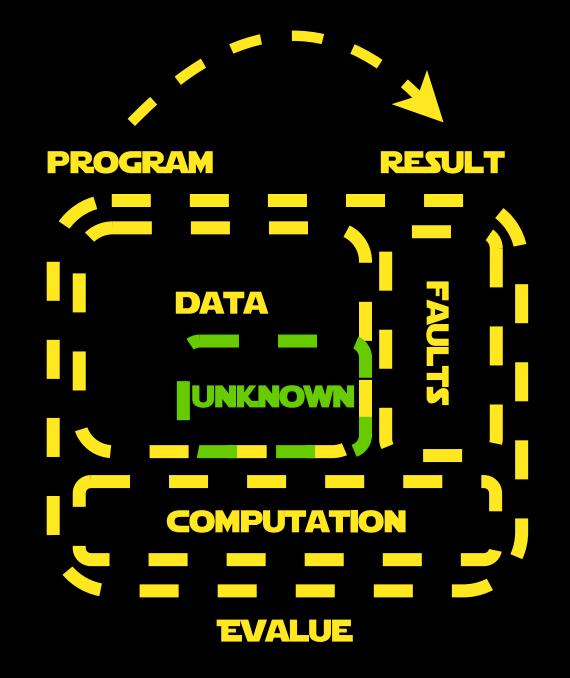


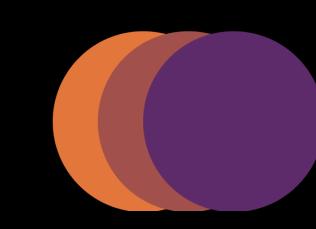


ENDO(R)MORPHISM



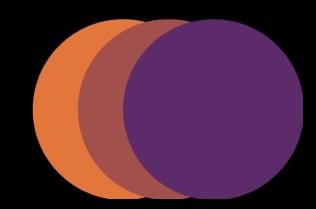
4. WRAP EACH RESULT: EVALUE: (RESULT, ORIGIN)



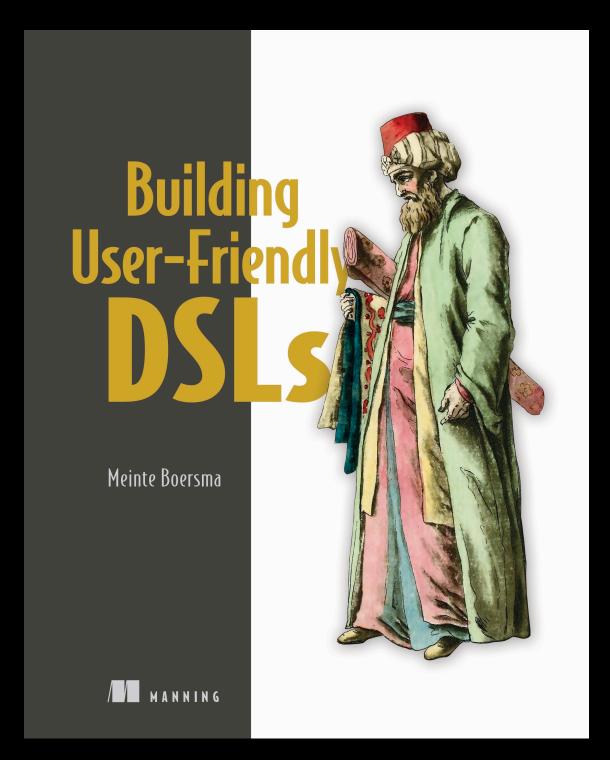


CONCLUSION

- PARTIAL EVALUATION IS USEFUL
- · (RELATIVELY) EASY TO IMPLEMENT
- · IT MAKES YOUR LANGUAGE BETTER



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