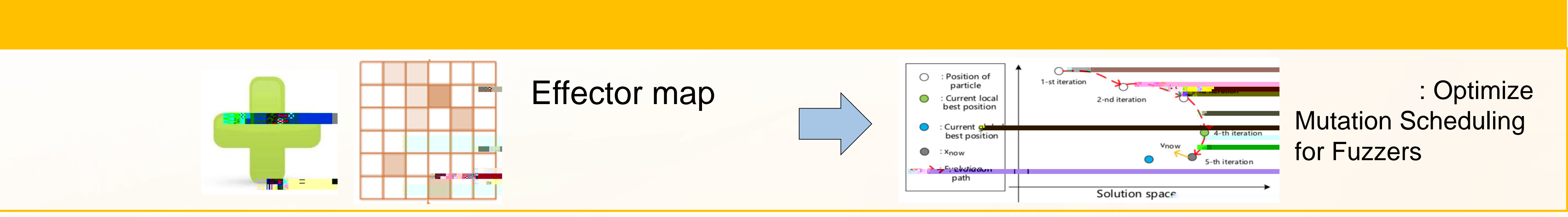
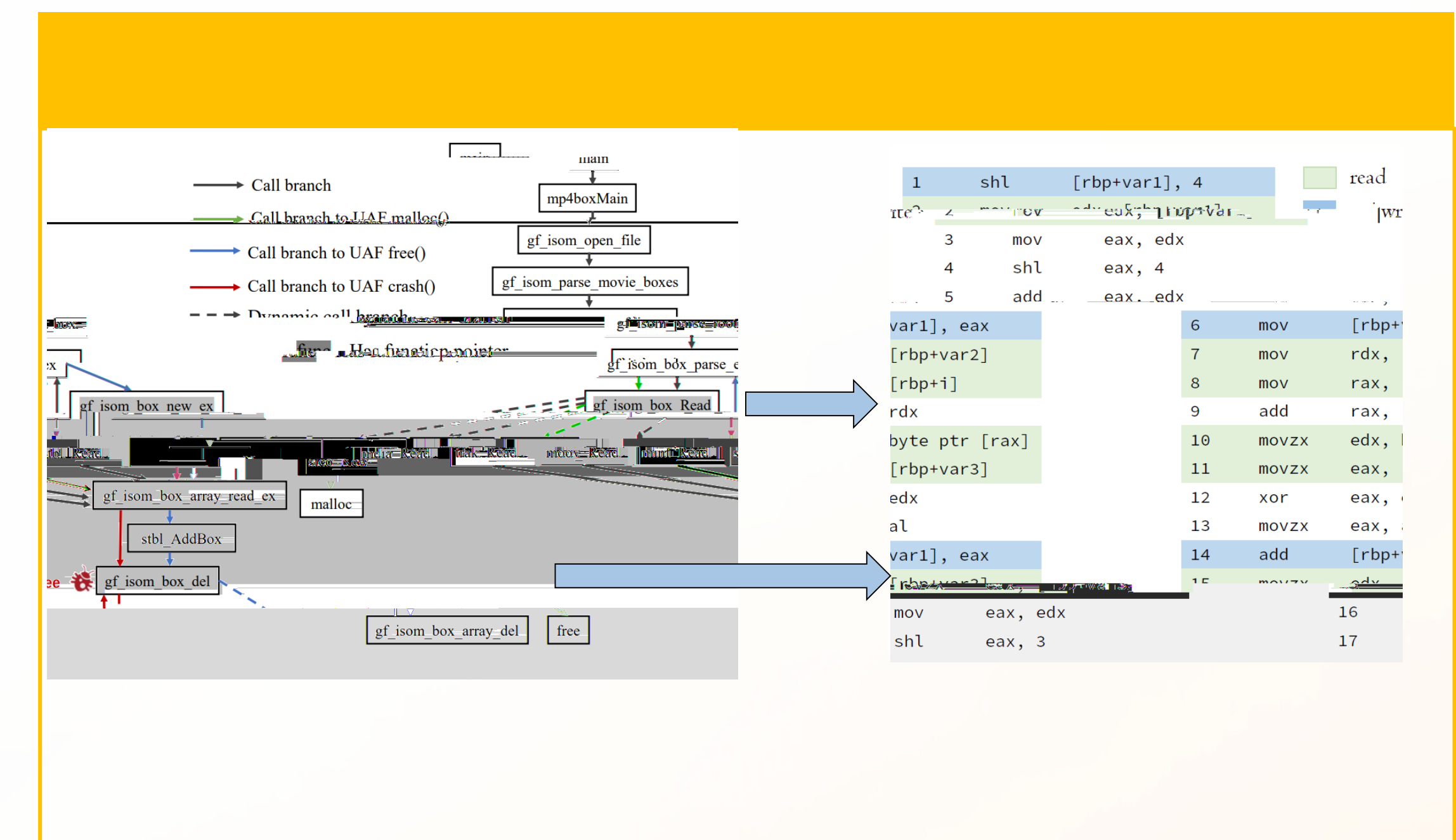
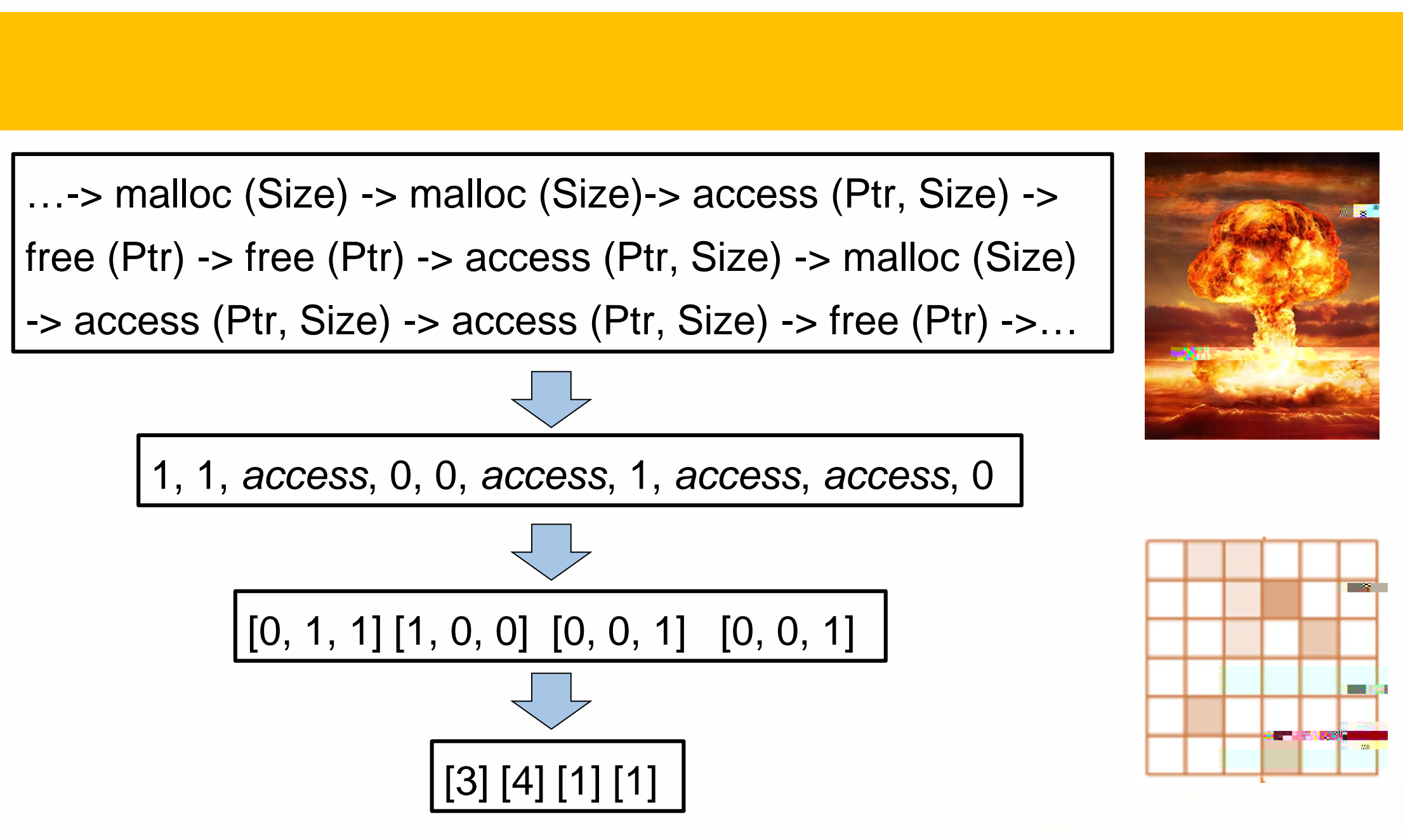
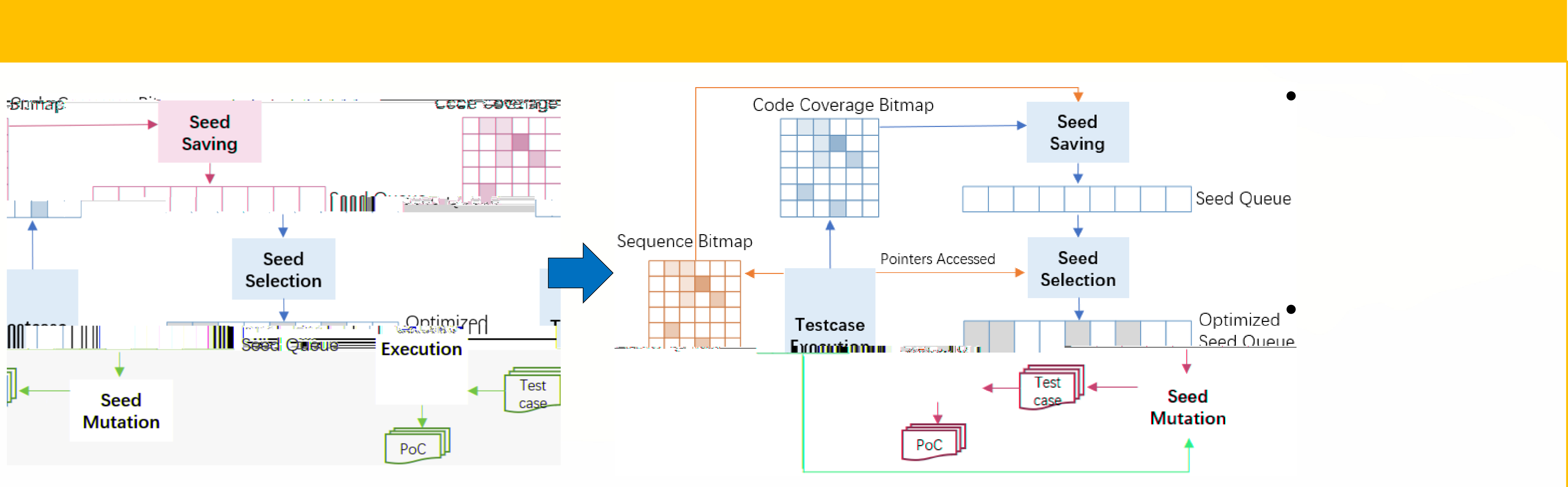
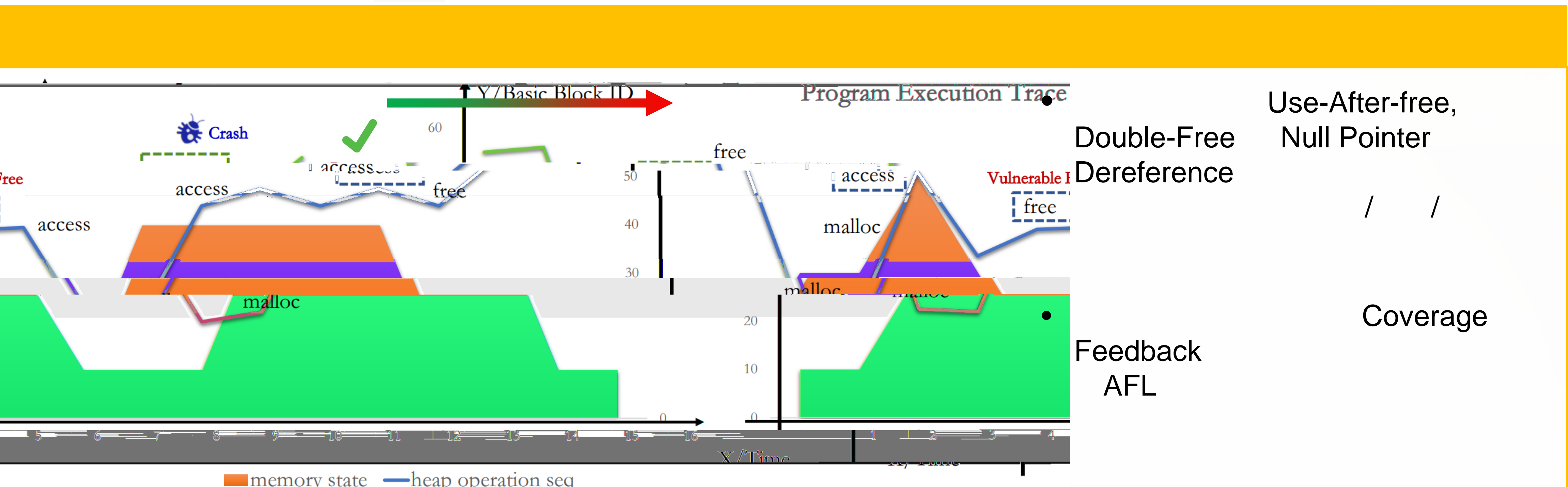




HTFuzz: Heap Operation Sequence Sensitive Fuzzing

ASE 2022 CCF-A

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<https://github.com/TCA-ISCAS/HTFuzz.git>



Bug ID	Version	Type	Status	Vulnerable Function
CVE-2021-33453	LRZIP 0.641	UAF	accepted	ucmpthread()
CVE-2019-20169	GPAC 0.8.0	UAF	accepted & fixed	trak_Read()
CVE-2019-20164	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_del()
CVE-2019-20163	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_dump_test()
CVE-2019-20162	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_del()
CVE-2019-20161	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_read()
CVE-2019-20160	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_del()
CVE-2019-20159	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_read()
CVE-2019-20158	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_read()
CVE-2019-20157	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_read()
CVE-2019-20156	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_read()
CVE-2019-20155	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_read()
CVE-2019-20154	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_read()
CVE-2019-20153	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_read()
CVE-2019-20152	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_read()
CVE-2019-20151	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_read()
CVE-2019-20150	GPAC 0.8.0	UAF	accepted & fixed	gf_isom_box_read()

	HTFuzz	AFL	Memlock	AFL-sen-ma	AFL-sen-mw
0day	37-32-0	24-22-0	9-7-0	9-9-0	9-9-0
0day-non-CVE	-	3-0-0	3-0-0	-	-
1day	55-42-0	37-26-4	29-20-2	16-12-0	11-9-0
Sum	92-74-0	64-48-4	41-27-2	25-21-0	20-18-0

	PathAFL	Tofuzz	MOPT	Angora	Ankou
0day	21-18-0	20-18-0	21-19-0	8-8-0	26-22-0
0day-non-CVE	2-0-0	1-0-0	-	3-2-2	6-1-1
1day	28-23-4	30-20-2	46-32-1	27-25-10	49-36-2
Sum	51-41-4	51-38-2	67-51-1	42-37-14	81-59-3

