Main Core (Assembly)	Null Filtering
`1: call malloc ;return` `pointer 0x12340000 in r1`	`1: rf_null[1] = false`
`2: mov r2, #8` `  ; r2 is not a pointer`	`2: rf_null[2] = true`
`3a: mov r3, #1`	`3: rf_null[3] = true`

`3b: str r3, [r1, #12]`
`    ; store to 0x1234000c`
	`3b: if (rf_null[1] && rf_null[3]) {`
	`        // filter monitoring`
	`     }`
	`   mem_null[r3 + 12] = rf_null[r3]`

`4: add r2, r2, r3`	`4: if (rf_null[2] && rf_null[3]) {`
	`       // filter monitoring`
	`    }`
	`   rf_null[r3] = rf_null[3] & rf_null[2]`