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]) {
	// drop monitoring
	}
	mem_null[r3 + 12] = rf_null[r3]

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