

MITRE eCTF 2023-24

LAB 1 Workshop

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SAT Problem (Karp's 21 NP Complete)

- Decision Problem: Is there an assignment to make it return True?
- Dual Problem: Find an assignment to make it return True?
- Both are NP-Complete, solvable with brute force.

Proof: 1. Show it's NP

2. Show it's NP-Hard by reducing Circuit-SAT to it

LAB ACTIVITY

LAST TIME:

- Confirmed Communication and database structure
- Issue Remaining: Generate Random Number?
- Some Code Examples we can use:

https://github.com/Jinyaox/TIVA_C_Secure_lib?search=1



PACTORIAL CONTROL OF A CONTROL	Plain text:			EP ()
	Jet: [Kp, , Kp2, Kp3]	P, SCP,	Jet Jet
			Att =>Cp,	scr. Jet
	P. : Kg,	L(P. Min) = Cri		
	Pz: Kpz	D((, kp1) = Pp.		AES: 2 ms.
	P3: Kp3		I Goal 1: Ciphertext individual	My,

CSV file. - Py. lead proos, - EEPROIN STORE info. Divide lay -py. generae, nona. Pilot - Recieve Encrypt Send.] = Bulton push Pr URT Rx AES Lib UAPT TX -- Py. validae -Py. sond out. RP. Interval: 0.1 sec. 100 ms. D. (CP)=3