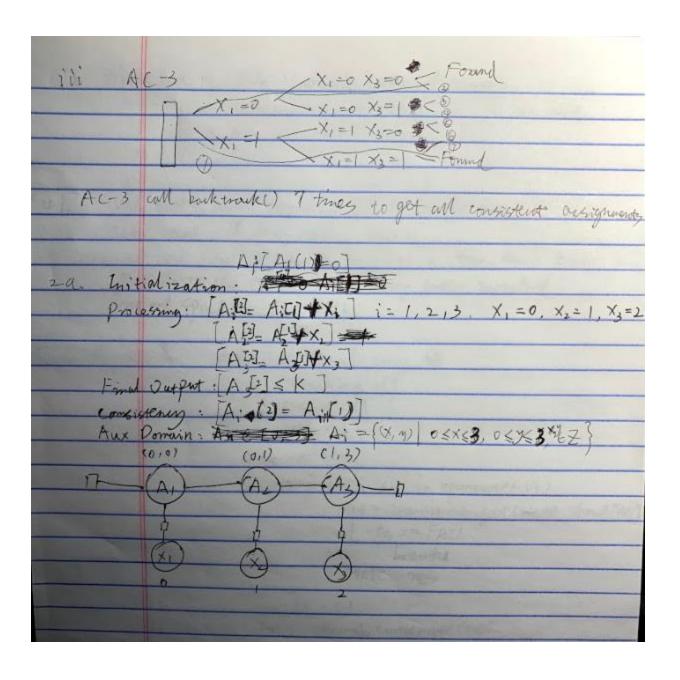
14W6	SUNID: BENMA
oa. cons	ruot:
X=(X	1,, Xn), where X; & Domain [0, 1] for gwitch of and on
-	
†i (×	(6 [X, -Xn]) = Sum(Xi) it i & Tiel, ny torj in rangel, mt)
Function	
det to	C X4) :
To	41=0
for	j in range (i, m+1):
	it in Ti.
	Totalf=Xi
-4	Total % 2 == 1.
	vetum True
ele	
	return folg
0b. i	Found 2 assignments in 9 operations
	$(X_1 = 0, X_2 = 1, X_2 = 0)$
	1 x = 1 x = 0 x = 1 x = 0 x = 0 x = 0 @
	X1=0 X5=0 X1=0 X2=1 3
ii	X 1=0 X1=0 X1=0 X3=1 X2=0 @
	X = 1 X = 0 X = 1 X = 0 Q
	X1= X1=0 X2=1 (1)
	1 0 ×1-1 ×3-1 ×1-1 ×3-1 ×1-0 0 ×1-1 ×3-1 ×1-1 0
Sa CM	booktrack 1 9 times to get all consistent assignment



Unit limit per quarter.

minUnits 3

maxUnits 15

These are the quarters that I need to fill. It is assumed that

the quarters are sorted in chronological order.

register Aut2017

register Win2018

register Aut2019

Courses I've already taken

taken CS140

taken CS221

taken MATH51

taken CS145

taken CS124

taken CS106B

taken CS107

taken CS109

Courses that I'm requesting

request CS103

request CS161

request CS109

request CS148

request CS246

request CS149

request CS231A

Here's the best schedule:

Quarter Units Course

Aut2017 4 CS148

Win2018 4 CS231A

Aut2019 5 CS103

4a. Work	or case! only I notable pattern of length in
	deminate any I Variables, so we can have
	the tree width = n-1
4 b. Use	parten mater searthing Of of grefix tree.
10° <04	state = (Index; Value; , State)
201	State = Minery value; , state)
6	(Vi, Smap) - transition to (it, K state-New) KE(1, K)
Ti	I get to the factor of how many patter matched.
(734	and space is Ochilliky
rumple Algori	Alma: det fresenseurly string, 40
	transitions = 5 j
	ont put = ()
	fail = []
	FAWR = 0
	Tory for i there in eliments (VI)
	res = transviris get (State, Chan) FAIL
	if rea == FAIL:
	breaki State - nes
	Hate=0
	vende =[]
	for i charin emmerate (string).
	rout françaises get ((Ande, chan) and FAIL)
	Myes = FAIL
	HANK = very
	Greak STGAGAET
	for much in our priss, get 15/246, 1):
	results appear (pos, morter)