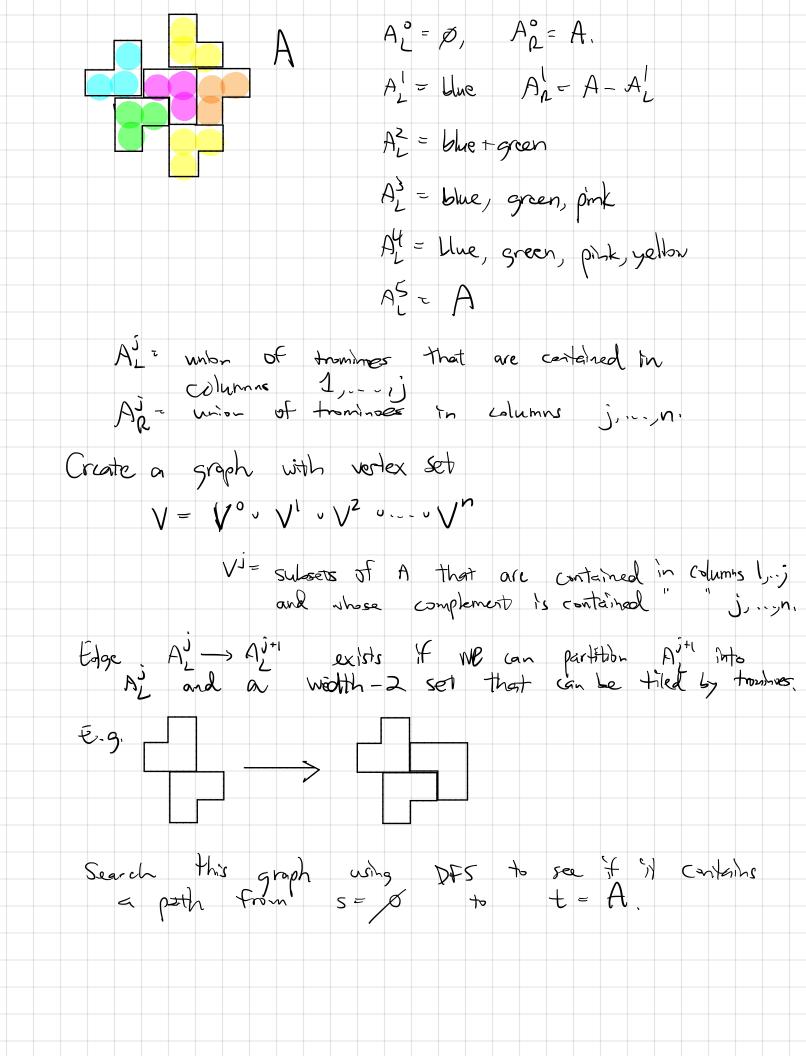
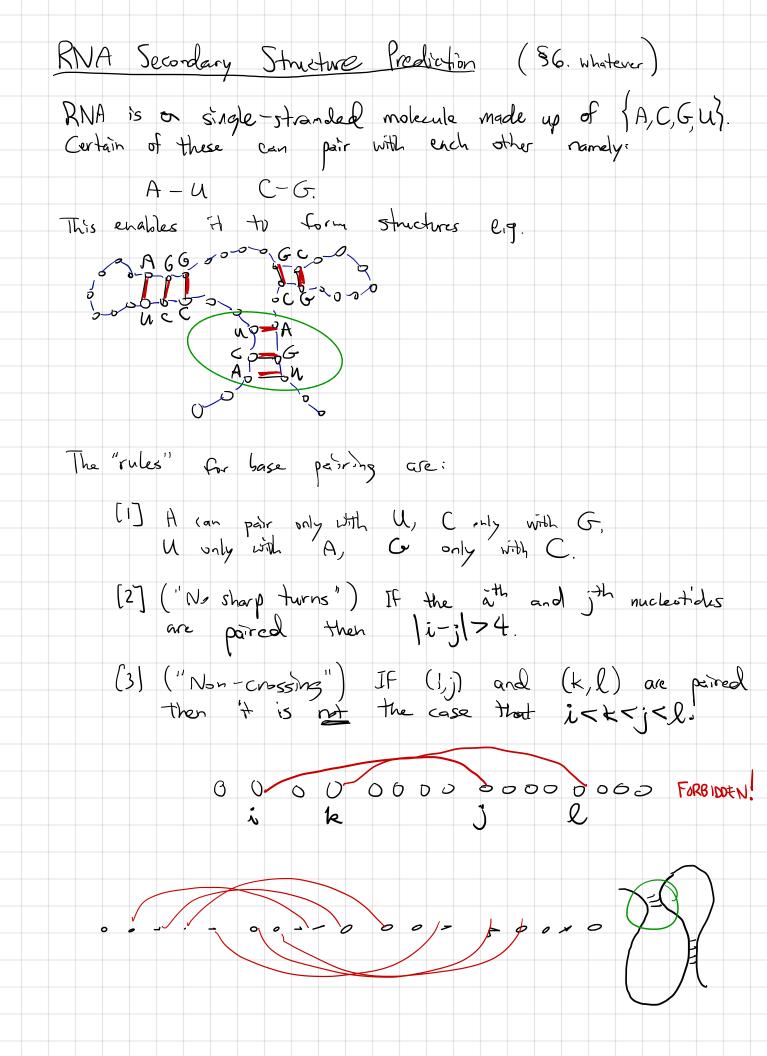
21 Feb 8	2018				
Announceme	nts				
[2] Prelim [3] Prelim (Form	tion sets 2,3 teriew session practice probles will be on dy	namic programs	soon.		Chapter 5 after that.)
TROMINO	TILING red	uced to	GRAPH	Starch.	
Given Subs	set of Kxn L-shaped	rectangle, trominoes	can 'H	be	
Def. IF of A such the some val	A is a subsection at Al is grid, Al	t of kxn into two contained is	gnid, subsets,	a "clean A and 1,,j	AR
£.g. A =			3		are both mixe
If A, we co	≤ {columns 1, I) j the	-,j3, Acs	the part	Lition.	
	Every tilingue level out and that				
(3)	$A_{\perp}^{n} = \emptyset$, A_{\perp}^{n} $(A_{\perp}^{n}, A_{e}^{n})$ is cle	= A. an at level j	(2) A, A, A, A, i,	Con be Hed	j. trom's





Problem. Fiven a sequence representing an RWA pairs that it can form.

A G C U A A U G C U U A G What's the "last part" of the solution? What are the pations for that "last part"? what do the potential optimal solutions look like, for each of these possible choices? - If nth nucleotide is unpaired, choose maximum pairing of 1, ..., n-1. - If (j,n) are paired, choose maknum priring of (j,n) and of (j+1,...,n-1). Define $T[j,k] := \max * \text{ of poirs than can be firmed}$ on subsequence j,...,kP(|L) = \(1 \in \left\) ilk are a matched pair of nucleotides \(\right\) eg. A-ll or C-G fill in DP table in increasing order of k-j.