



Me can compute the solution.	by case by case analysis.
Exercise 6. Independent Set Protein	
Variables: $x_y$ for every	vertex weV
Comstraints: for amedge was	
for any acites we	
Plaximize \( \sum_{veV} = \)	Size of the implependant set
Exercise 7. Dominating Set Brotlem	
Marables x, uev	
Constraints Une U, of x,	4 4 4
Juev,	
	Coclosed neighborhood
Minimize Z an	
Exercise 8. N-queens problem	
Variables. x, i, j 6 [11, N]	
Constraints: Vi, Zzi, 61	
Z xjt ≤ 1	Maximiza Zij
$\sum_{x, i = i} x_{i, i = i} \leq 1$	
Z x;,i+i 41	
fi, j oexi j sa	

