

Corology to The pieces in a line or column	must alternate between
+ and . starting and ending.	
ordory 2: A pown must be attacked by Let a; be the number of squares in the aurook from lines 1,2,, or it	a rook from all 4 sides.
7	
Lemme 3, P; & a; because even by a rook do	y pown is attaked
Cordory: r. & a,+1.	
,	a oversect only a colored to the
1=4	the contract of a contract of the contract of a
	0 0 0
If the j-th Square from the (i-1)-th line is	ottocked by a rook from si-2
Then	to parallely estimate when the control of the control
the j-th square from the 1-th line is	a Tocked
the j-th square from the (1-1)th line d	oes not have a pown.
However, each pawn (ort of pin) from the	

However, each pawn (ort of Pi-1) from the (i-1) the line ocuppy one of the ai-1 attacked squares.

$$= \begin{pmatrix} r_{i-1} \\ (\alpha_{i-1} - p_{i-1}) \end{pmatrix} = \alpha_{i-1} + 1 . < i.$$

$$\Rightarrow \sum_{i=1}^{N} p_i = \sum_{j=1}^{K+1} p_j + \sum_{i=K+2}^{2k+1} p_i \leq \sum_{i=1}^{K+1} (i-1) + \sum_{i=K+2}^{2k+1} (n-i) = K^2$$