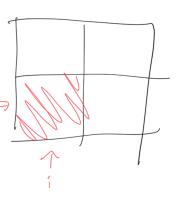
A

[2] [3]

$$B(i,j) = A(i,i) \Rightarrow j \Rightarrow j$$

$$B(1,1) = A(1,1)$$

3



15i < p casel N=2 Case 2 9, < i < N cases $q < i \leq case4$ q >

Cage for
$$p, q$$
 $p, q \in \{0, 1, 2, 3, 3\}$
 $p = 0$
 $p =$



$$i=1$$
 $j=1$
 $(i \times p) \wedge (j \times p) \wedge (q \times i) \wedge (q \times j)$
 $i=1$ $j=2$
 $q < j \Rightarrow |S(1,2)| = A(2,1)$
 $i=2$ $j=1$
 $q < i \Rightarrow |S(2,1)| = A(1,2)$
 $i=2$ $j=2$
 $q < i \Rightarrow |S(2,2)| = A(2,2)$

P=2 1=2

 $i = 1 \quad j = 1$ i $<math>i = 1 \quad j = 2$ $i 7 \quad B(1,2) = A(2,1)$ $i = 2 \quad j = 1$ $j 7 \quad B(2,1) = A(1,2)$ $i = 2 \quad j = 2$ $(i < p) \land (j < p) \land (q < i) \land (q < j)$

other cases: p=0, q=1 p-1, q=2 p=2, q=3, p=3, q=3
if for p=0, q=0, the entire

matrix is transposed, other values

don't really matter, all elements
in matrix must be transposed
at initialization (they we don't

need any assignment statements.