1. Which statement best describes the support enumeration algorithm?

   ◯ The support enumeration algorithm is a method for finding mixed strategy Nash equilibria by iterating over all possible combinations of supports for players and checking feasibility conditions.

   ◯ The support enumeration algorithm calculates equilibria by directly solving a matrix of payoffs without considering the players' strategy supports.

   ◯ The support enumeration algorithm is used to find pure strategy Nash equilibria by iterating through all possible combinations of strategies and checking for mutual best responses.

   ◯ The support enumeration algorithm identifies Nash equilibria by simulating repeated gameplay and observing which strategies survive over time.

2. For a non-degenerate game $(A, B) \in \left(\mathbb{R}^{4\times 3}\right)^2$ how many pairs of supports will be checked using the support enumeration algorithm?

   ◯ 7

   ◯ 105

   ◯ 14

   ◯ 98

3. Which following pair of strategies is a Nash equilibrium for the following game:

$$A = \begin{pmatrix} 4 & 3 \\ 0 & 5 \end{pmatrix} \qquad B = \begin{pmatrix} 5 & 2 \\ 3 & 8 \end{pmatrix}$$

   ◯ $\sigma_r = (5/8, 3/8) \qquad \sigma_c = (1/2, 1/2)$

   ◯ $\sigma_r = (5/8, 3/8) \qquad \sigma_c = (1/3, 2/3)$

   ◯ $\sigma_r = (1/4, 3/4) \qquad \sigma_c = (1/2, 1/2)$