

- (a) Is there a mixed strategy Nash equilibrium where Player 1 uses strategies B , C , and D with non-zero probability and does not use strategy A , and where Player 2 uses strategies A , B , and D with non-zero probability and does not use strategy C . If there is, what is the Nash equilibrium? If there is not, explain why not.
- (b) Is there a mixed strategy Nash equilibrium where Player 1 uses strategies A and B with non-zero probability and does not use strategies C and D , and where Player 2 uses strategies A and B with non-zero probability and does not use strategies C and D ? If there is, what is the Nash equilibrium? If there is not, explain why not.
- (c) Is there a mixed strategy Nash equilibrium where Player 1 uses strategies A and B with non-zero probability and does not use strategies C and D , and where Player 2 uses strategies C and D with non-zero probability and does not use strategies A and B ? If there is, what is the Nash equilibrium? If there is not, explain why not.