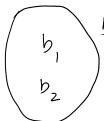
Let A and B be two sets containing four and two elements respectively. Then the number of subsets of the set $A \times B$, each having at least three elements is:

- (1) 275
- (2) 510





... Required number of subsets = 28-8C_-8C_1-8C_2 = 256-(1+8+28)=219 : Correct option is (3)