- 1. Let R1 and R2 be two 4-bit registers that store numbers in 2's complement form. For the operation R1 + R2, which one of the following values of R1 and R2 gives an arithmetic overflow?
 - (a) R1 = 1011 and R2 = 1110
 - (b) R1 = 1100 and R2 = 1010
 - (c) R1 = 0011 and R2 = 0100
 - (d) R1 = 1001 and R2 = 1111