Suppose we choose one card at random from a deck of 52 playing cards.

$$C = \{A\clubsuit, 2\clubsuit .... K\clubsuit, A\blacklozenge, 2\blacklozenge, .... K\blacklozenge, A\blacktriangledown, 2\blacktriangledown, .... K\blacktriangledown, A\spadesuit, 2\spadesuit, .... K\spadesuit\}$$

$$H = \text{event of heart} = \{A \lor, 2 \lor, \dots, K \lor \}$$

$$J = \text{event of jack or better}$$
  
=  $\{J \clubsuit, J \blacklozenge, J \blacktriangledown, J \spadesuit, Q \clubsuit, Q \blacklozenge, Q \blacktriangledown, Q \blacktriangledown, K \blacklozenge, K \blacktriangledown, K \spadesuit, A \clubsuit, A \spadesuit, A \blacktriangledown, A \spadesuit\}$ 

$$Q = \text{event of queen} = \{Q \clubsuit, Q \blacklozenge, Q \blacktriangledown, Q \spadesuit\}$$