Joint distribution of (U,V) pairs

(4,6)(4,7)(4,8)4-(4,5) (5,9)(6,10)Second roll (3,4)(3,6)(6,9)(3,5)(4,7)(5,8)

(2,4)2-(2,3) (4,6)(3,5)(5,7)(6,8)(6,7)

6

(3,4)(1,2)(4,5)(5,6)(2,3)2 First roll