Statistics assignment - 3

(1) Outcomes with strictly < 4 people
= 4 Cz 37

Outcomes that are multiple counted

Outcomes where exactly one seeson is represented = 4(,.)

So, total desired outcomes

= 47-4C337+4C227-4C137

- 8400

Probability of all 4 seasons occurring atteast once = 8400 = 0,512