Χ2I = (30-20) / 20 + (15-20) / 20 + (15-20) / 20 = 0.5 - 0.25 - 0.25 = 0

Χ2II = (23-20) / 20 + (18-20) / 20 + (19-20) / 20 = 0.15 - 0.1 – 0.05 = 0

The null hypothesis is not rejected for both cases as the chi-square p value is 0. There is no significant difference between the expected outcome and the observed outcome for either algorithm.