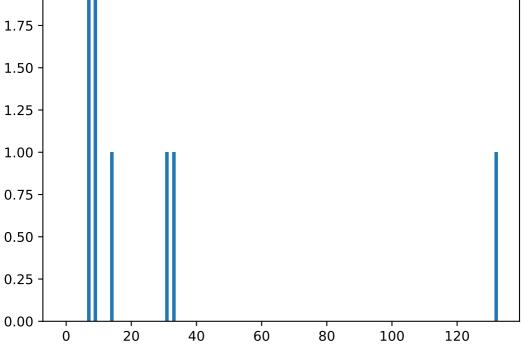Distribution of distance between two load balancings