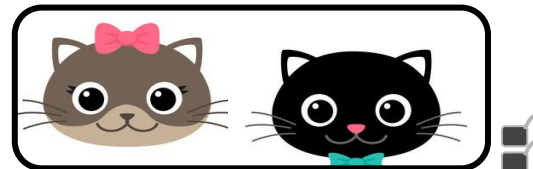
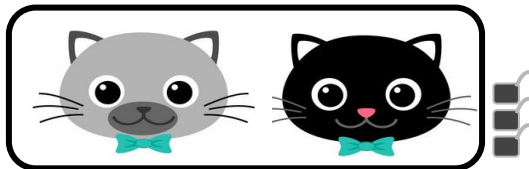
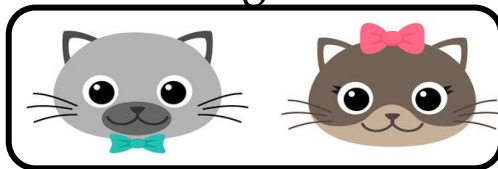


Task 2: Calculate the Shapley value per cat

Mice caught alone:



Mice caught in coalitions:



$$\phi_i(v) = \sum_{S \subseteq N \setminus \{i\}} \frac{|S|!(N - |S| - 1)!}{N!} (v(S \cup \{i\}) - v(S)), \quad i = 1, \dots, N$$

