

Deviation of $\mu(B)$ from $\mu(A \text{ and } B) + \mu(A' \text{ and } B)$						
(Home Furnishing, Furniture)	p-value	(Spices, Herbs)	p-value	(Pets, Farmyard Animals)	p-value	(Fruits, Vegetables)
Mantelpiece	1.09E-05	Molasses	4.21E-06	Goldfish	1.89E-07	Apple
Window Seat	1.89E-05	Salt	9.37E-05	Robin	8.27E-07	Parsley
Painting	2.20E-07	Peppermint	2.50E-04	Blue-tit	2.90E-06	Olive
Light Fixture	2.99E-06	Curry	8.55E-06	Collie Dog	2.00E-06	Chili Pepper
Kitchen Counter	5.12E-06	Oregano	1.25E-06	Camel	1.35E-07	Broccoli
Bath Tub	1.43E-06	MSG	1.79E-06	Squirrel	5.85E-06	Root Ginger
Deck Chair	1.07E-04	Chili Pepper	2.20E-07	Guide Dog for Blind	4.55E-06	Pumpkin
Shelves	7.84E-07	Mustard	5.57E-06	Spider	6.15E-05	Raisins
Rug	4.99E-09	Mint	1.80E-06	Homing Pigeon	1.18E-06	Acorn
Bed	2.73E-06	Cinnamon	5.03E-06	Monkey	2.95E-05	Mustard
Wall-Hangings	3.93E-06	Parsley	7.52E-06	Circus Horse	2.27E-05	Rice
Space Rack	2.16E-08	Saccarin	2.63E-06	Prize Bull	2.17E-06	Tomato
Ashtray	8.83E-07	Poppy Seeds	3.05E-06	Rat	4.08E-06	Coconut
Bar	3.07E-05	Pepper	4.70E-06	Badger	8.59E-05	Mushroom
Lamp	8.94E-07	Turmeric	2.06E-07	Siamese Cat	1.98E-05	Wheat
Wall Mirror	1.05E-06	Sugar	2.45E-06	Race Horse	5.03E-06	Green Pepper
Door Bell	6.27E-07	Vinegar	1.89E-05	Fox	9.66E-05	Watercress
Hammock	4.82E-06	Sesame Seeds	6.89E-07	Donkey	2.41E-06	Peanut
Desk	5.97E-06	Lemon Juice	1.64E-06	Field Mouse	1.29E-03	Black Pepper
Refrigerator	3.82E-05	Chocolate	9.12E-06	Ginger Tom-cat	1.64E-06	Garlic
Park Bench	2.16E-08	Horseradish	1.31E-05	Husky in Sled team	1.01E-07	Yam
Waste Paper Basket	7.21E-08	Vanilla	1.22E-07	Cart Horse	2.26E-07	Elderberry
Sculpture	4.46E-08	Chives	3.81E-07	Chicken	4.98E-05	Almond
Sink Unit	3.64E-06	Root Ginger	1.02E-08	Doberman Guard Dog	2.40E-06	Lentils

Table 5b. Calculation of the p-values corresponding to the deviation  $I_B$  between  $\mu(B)$  and  $\mu(A \text{ and } B) + \mu(A' \text{ and } B)$ . By applying a Bonferroni correction procedure, the null hypothesis can be rejected for a p-value less than  $\frac{0.05}{24} = 2.08 \cdot 10^{-3}$ .