Pairwise testing

Let's imagine that we have a flower shop that we have to test

To practice pairwise testing, the data we have is presented in this table

Type flowers	Package	Delivery	Pay
Bouquets	Without package	Self-delivery	Cash
Plants	With package	Courier	Card
Dried flowers		Post Office	

To perform all the checks on this data, we would need 36 checks, but using the Pairwise testing technique, we reduced the number of checks to 9

Type flowers	Package	Delivery	Pay
Bouquets	With package	Self-delivery	Cash
Bouquets	Without package	Courier	Card
Bouquets	With package	Post Office	Card
Plants	With package	Courier	Cash
Plants	Without package	Post Office	Card
Plants	Without package	Self-delivery	Cash
Dried flowers	With package	Post Office	Cash
Dried flowers	Without package	Self-delivery	Card
Dried flowers	With package	Courier	Card

Another example for checking filters in the Kasta online store

Here we have to check much more data that is presented in this table

Belonging	Type of product	Color	Size table	Additional options
Girls	Hoodie	White	Ukrainian	Promotional products
Boys	T-shirt	Black	European	Advantages of Black
Women	Jeans	Blue	International	Delivery to Poland
Men	Pants	Multicolored		Increased cashback
	Sweaters	Red		New products
	Suits	Yellow		From the warehouse of Kasta
	Dresses	Blue		
	Shirts	Gray		
		Orange		

To check all these values, we need to perform 5,164 tests

4 * 8 * 9 * 3 * 6 = 5 164

But using the Pairwise testing technique, we reduced the number of checks to 70 tests

I did not create the calculations for the Kasta store on my own, but with the help of a website where you can create pairs for testing by entering data

Thank you!