

```
WP [Wedge [u___], Wedge [v___]] := Signature [{u, v}] * Wedge @@ Sort [{u, v}] ;
```

```
WP [0, _] = WP [_, 0] = 0 ;
```

```
WP [A_, B_] :=
```

```
Expand [Distribute [A ** B] / .
```

```
(a_ . * u_Wedge) ** (b_ . * v_Wedge)  $\Rightarrow$  a b WP [u, v] ] ;
```