

```

Z [pd_PD] := Module [ {z },
  z =
  Expand [ Times @@ pd /.
    x : X [i_, j_, k_, l_] =>
      If [ PositiveQ @ x,  $R_{l,i}$ ,  $\bar{R}_{j,i}$  ] ];
  Do [ z = z //  $m_{1,k \rightarrow 1}$ , {k, 2 Length@pd} ] ;
z ]

```