

```
Z[K_] :=  
Z[RVK@EchoFunction[Width]@ThinPosition[K, 100]];  
Z[rvk_RVK] :=  
Monitor[ PP["z"]@Module[{g, done, st, c, x, i, j, k},  
g = 1; done = {}; st = Range[2 Length[rvk[[1]]]];  
$M = {};  
Do[AppendTo[$M, c];  
{i, j} = List @@ c;  
x =  
(c /. {_Xp :> kR[i, j]  $\overline{kKink}_0$ , _Xm :>  $\overline{kR}_{i,j}$  kKink0}) //  
kmj,0→j;  
Do[x = (rot[θ, rvk[[2, k]]] x) // kmθ,k→k,  
{k, {i, j}}];  
g *= x;  
Do[  
If[MemberQ[done, k + 1], g = g // kmk,k+1→k;  
st = st /. k + 1 → k];  
If[MemberQ[done, k - 1],  
g = g // kmst[[k-1]],k→st[[k-1]];  
st = st /. k → st[[k - 1]],  
{k, {i, j}}];  
done = done ∪ {i, j},  
{c, rvk[[1]]}  
];  
CF /@ (g /. {x1 → x, y1 → y, a1 → a})  
, {Length@$M, $M}]
```