```
Exit[];
```

PrependTo SPath, "D:\\Users\\Johannes\\Promotion\\Mathematica\\Packages"]; << JoFin` $a[i_{-}] := 0$; St[1] = P; St[2] = S; b[1, 1] = SPq; b[2, 1] = SS; $b[i_{-}, 2] := 0$; fk2 = Expand[FK[V, St, a, b, 2]] $\frac{1}{2}$ s² S² V^(0,0,2) [t, P, S] + P q s² S V^(0,1,1) [t, P, S] + $\frac{1}{2} P^{2} q^{2} s^{2} V^{(0,2,0)}[t, P, S] + V^{(1,0,0)}[t, P, S]$ Expand [$(fk2 /. q \rightarrow 1) - (fk2 /. q \rightarrow -1)$] $2 P s^{2} S V^{(0,1,1)}[t, P, S]$ fk2 /. q \rightarrow Sign[$V^{(0,1,1)}$ [t, P, S]] $\frac{1}{2} s^{2} S^{2} V^{(0,0,2)}[t, P, S] + P s^{2} S Sign[V^{(0,1,1)}[t, P, S]] V^{(0,1,1)}[t, P, S] V^{(0,1,1)}[t, P,$ $\frac{1}{2} P^{2} s^{2} Sign \left[V^{(0,1,1)}[t, P, S] \right]^{2} V^{(0,2,0)}[t, P, S] + V^{(1,0,0)}[t, P, S]$ a[i_] := 0; St[1] = P; St[2] = S1; St[3] = S2; b[1, 1] = S1 P q1; $b[1, 2] = s2 P q2; b[2, 1] = s1 S2; b[3, 2] = s2 S2; b[i_, 3] := 0;$ b[2, 2] = 0; b[3, 1] = 0; fk3 = Expand[FK[V, St, a, b, 3]] $\frac{1}{2}$ s2² S2² V^(0,0,0,2) [t, P, S1, S2] + $\frac{1}{2} \text{ s1}^2 \text{ S2}^2 \text{ V}^{(0,0,2,0)}[\text{t, P, S1, S2}] + P \text{ q2 s2}^2 \text{ S2 V}^{(0,1,0,1)}[\text{t, P, S1, S2}] +$ $\frac{1}{2} P^{2} q^{2^{2}} s^{2^{2}} V^{(0,2,0,0)}[t, P, S1, S2] + V^{(1,0,0,0)}[t, P, S1, S2]$