```
N_{w_i_ v_j_→k_}[𝔼[ω_, L_, Q_, P_]] :=
  With[{q = ((1 - t_k) α β + β v_k + α w_k + δ v_k w_k) / μ}, CF[
    𝔼[μ ω, L, μ ω q + μ (Q /. w_i | v_j → 0),
      μ^4 ℯ^-q DP_{w_i→D_α, v_j→D_β}[P][ℯ^q] + ω^4 Λ[k]] /. μ → 1 + (t_k - 1) δ /.
     {α → ω^-1 (∂_{w_i} Q /. v_j → 0), β → ω^-1 (∂_{v_j} Q /. w_i → 0),
      δ → ω^-1 ∂_{w_i, v_j} Q}]];
```