

```
g_i_ [h [F_, L_]] /; i > 1 := h [
  Permute [F, Cycles [{{i, i + 1}}]],
  Expand [L /. {x_i -> x_{i+1}, x_{i+1} -> t_{F[[i]] x_i + (1 - t_{F[[i+1]]}) x_{i+1}}] // Simplify
]
```