

$$\text{with\_elements}(\text{pass}()) \Leftrightarrow \text{pass}()$$

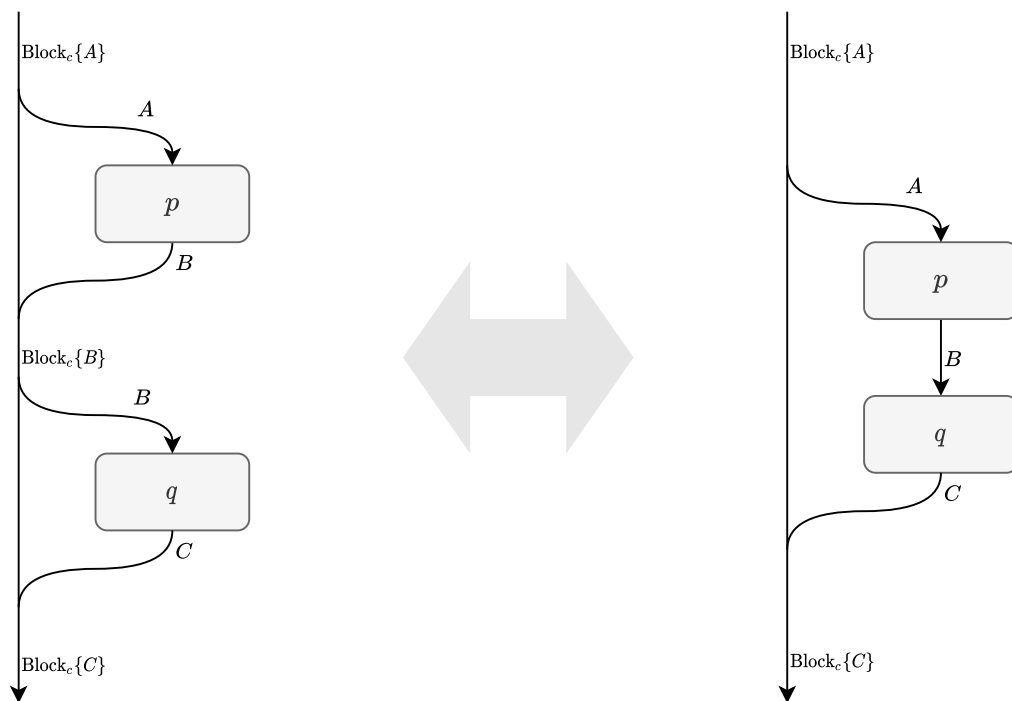


$$\text{with\_column}(k, \text{pass}()) \Leftrightarrow \text{pass}()$$



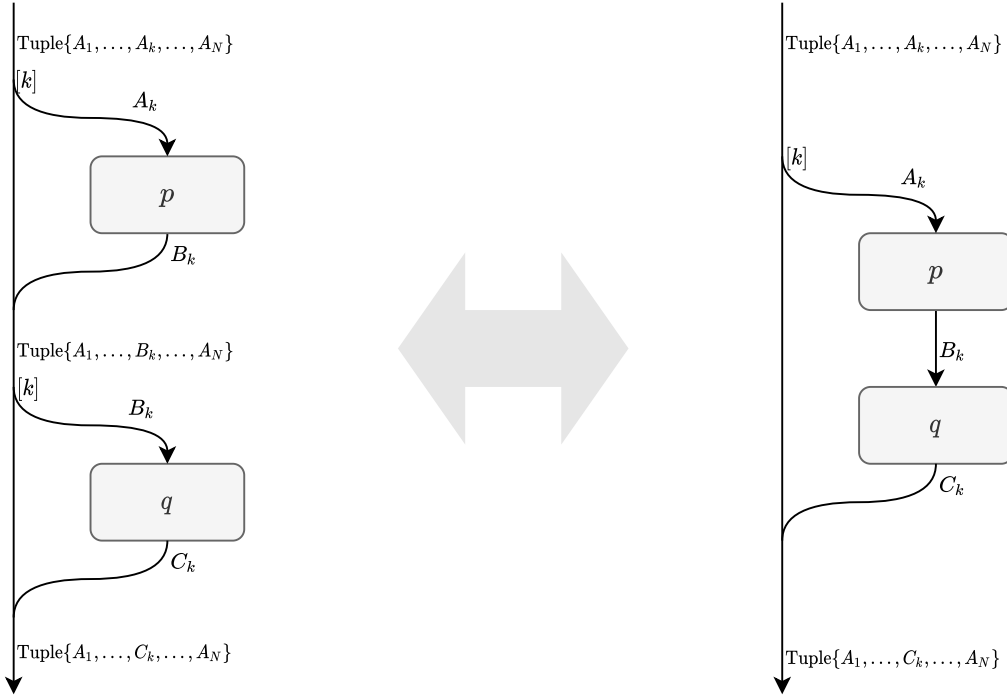


$$\text{chain\_of}(\text{with\_elements}(p), \text{with\_elements}(q)) \Leftrightarrow \text{with\_elements}(\text{chain\_of}(p, q))$$

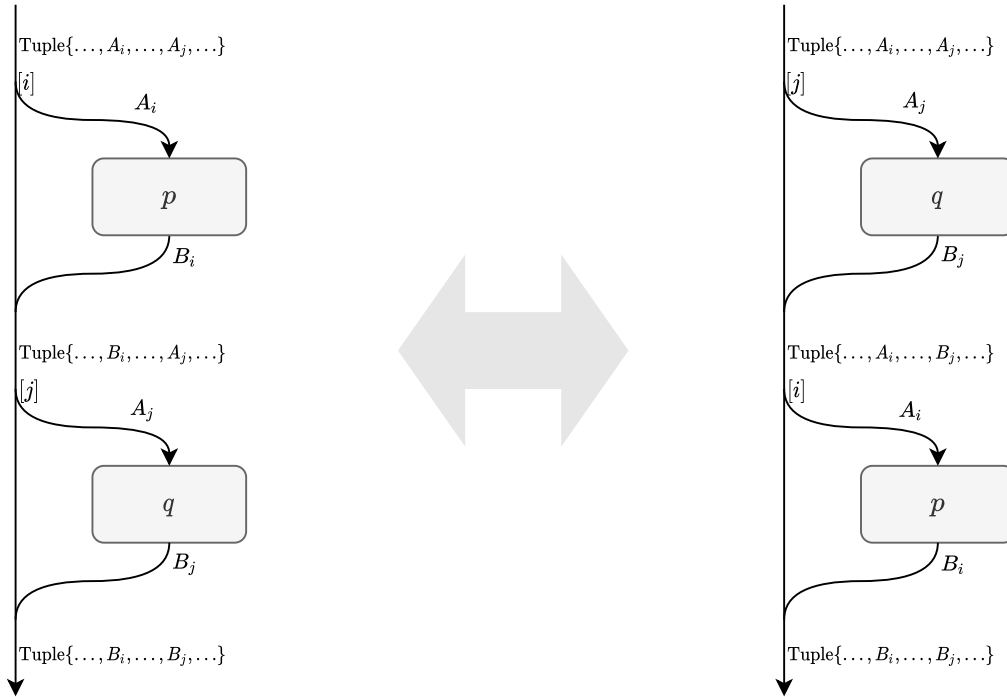




$$\text{chain\_of}(\text{with\_column}(k, p), \text{with\_column}(k, q)) \Leftrightarrow \text{with\_column}(k, \text{chain\_of}(p, q))$$

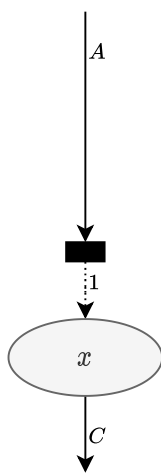
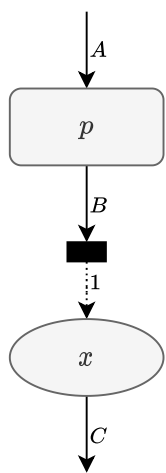


$$\text{chain\_of}(\text{with\_column}(i, p), \text{with\_column}(j, q)) \Leftrightarrow \text{chain\_of}(\text{with\_column}(j, q), \text{with\_column}(i, p)) \quad i \neq j$$





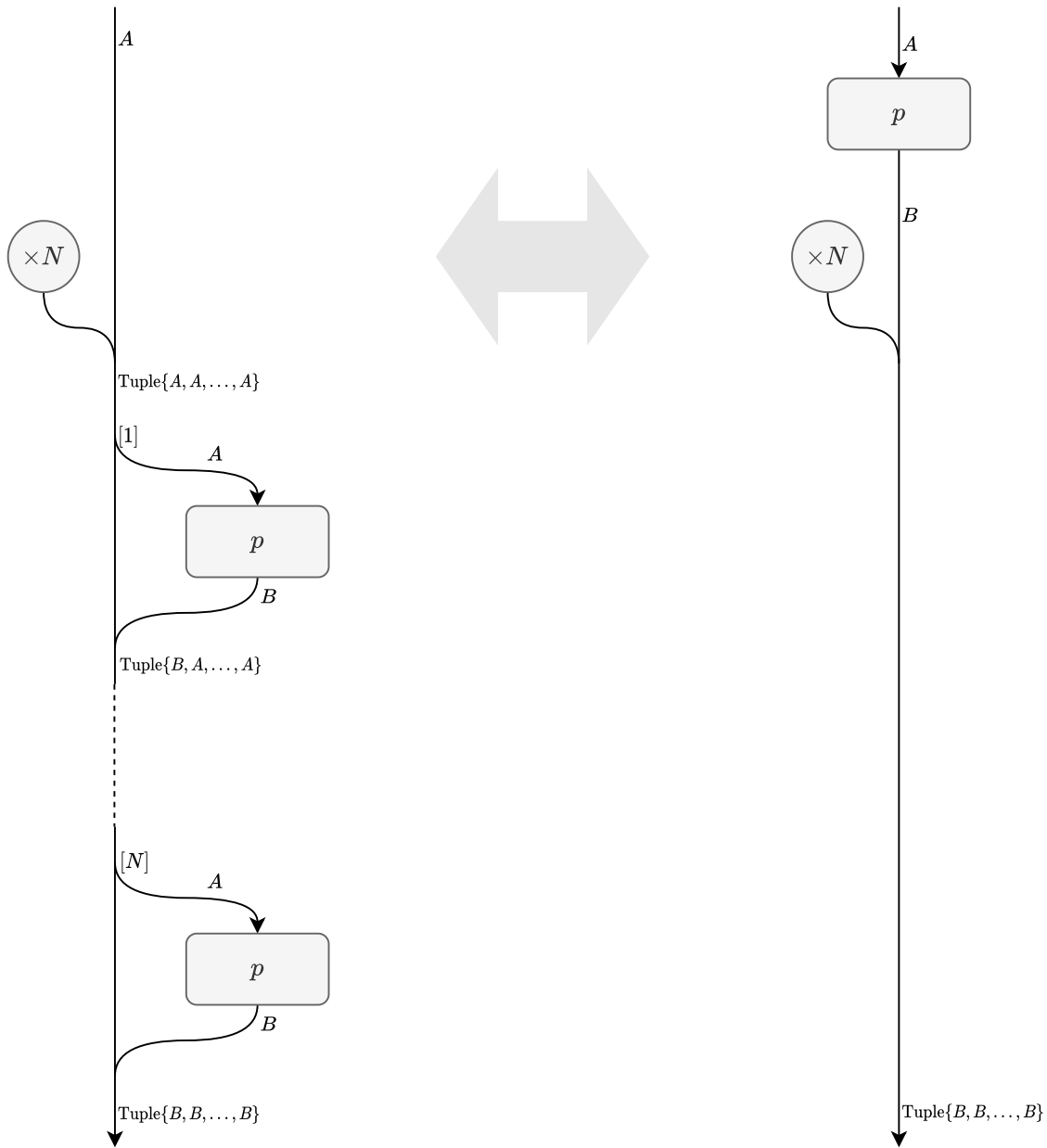
$$\text{chain\_of}(p, \text{filler}(x)) \Leftrightarrow \text{filler}(x)$$





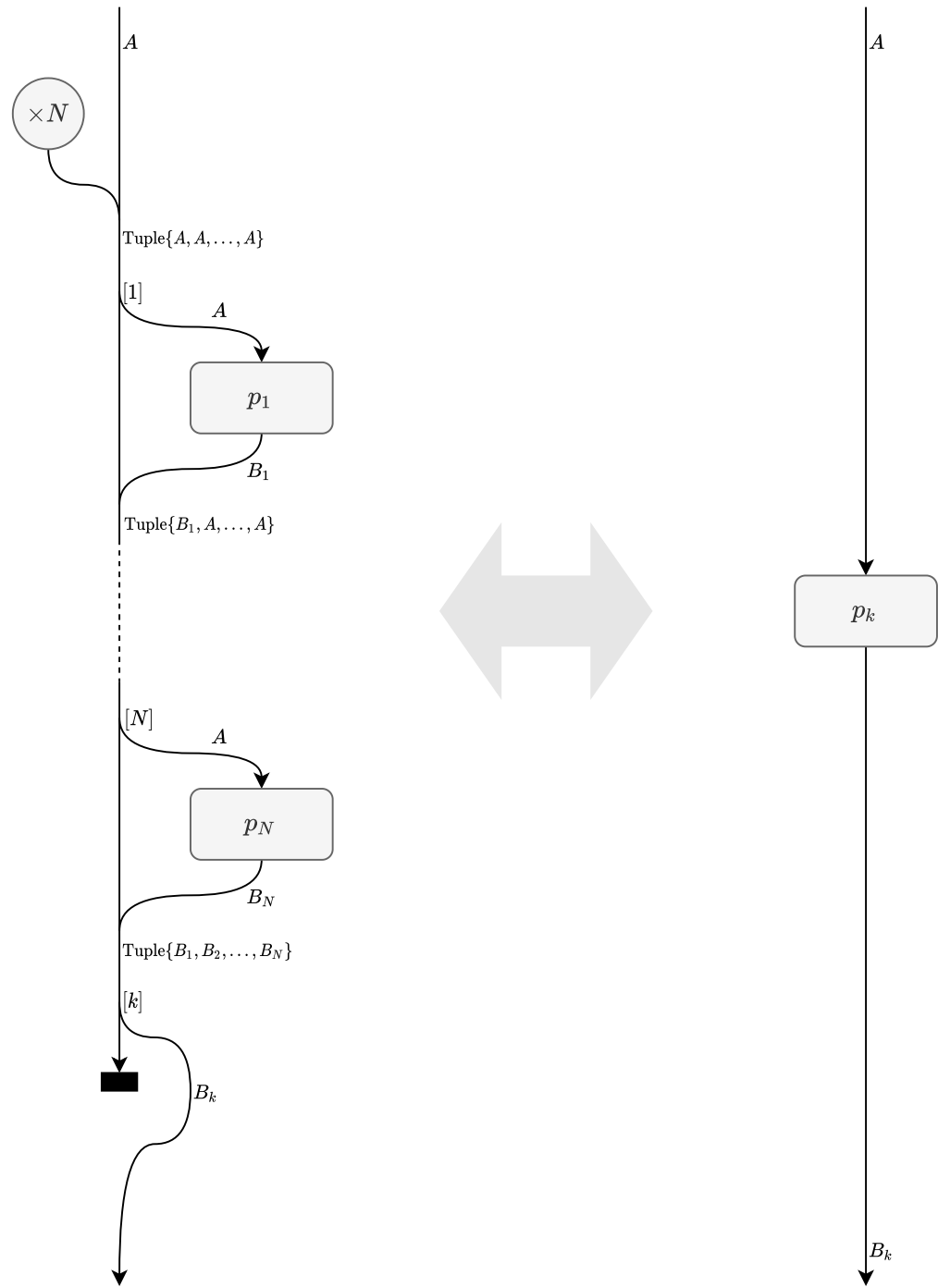


$$\text{tuple\_of}(p, \dots, p) \Leftrightarrow \text{chain\_of}(p, \text{tuple\_of}(\text{pass}(), \dots, \text{pass}()))$$





$$\text{chain\_of}(\text{tuple\_of}(p_1, \dots, p_N), \text{column}(k)) \Leftrightarrow p_k$$



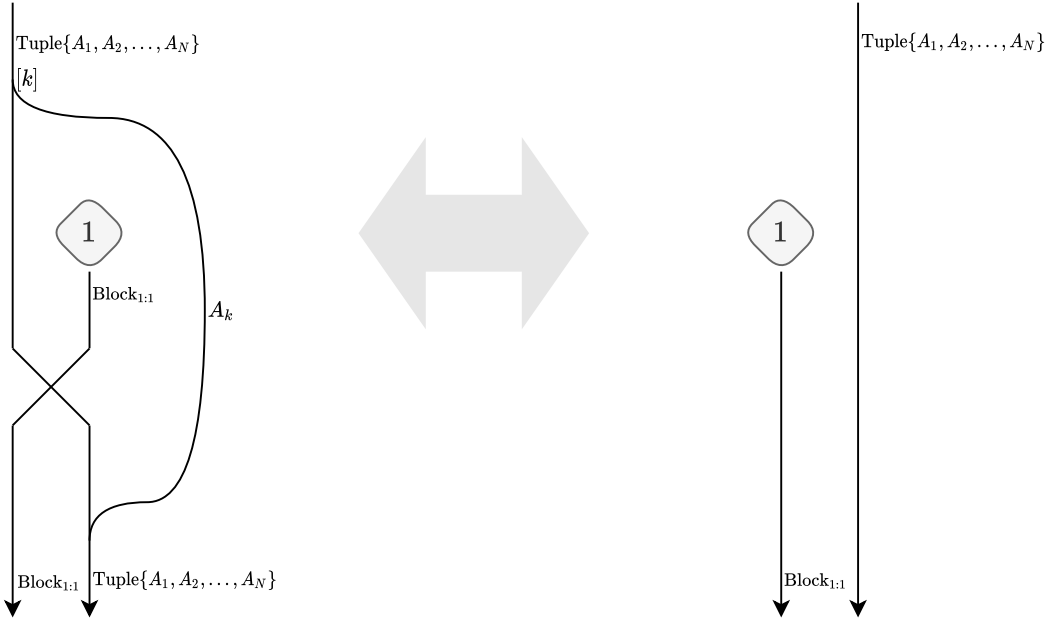


$\text{chain\_of}(\text{wrap}(), \text{lift}(f)) \Leftrightarrow \text{lift}(f)$





$\text{chain\_of}(\text{with\_column}(k, \text{wrap}()), \text{distribute}(k)) \Leftrightarrow \text{wrap}()$







$$\text{chain\_of}(\text{distribute}(k), \text{with\_elements}(\text{column}(k))) \Leftrightarrow \text{column}(k)$$





$\text{chain\_of}(\text{wrap}(), \text{flatten}()) \Leftrightarrow \text{pass}()$



$\text{chain\_of}(\text{with\_elements}(\text{wrap}()), \text{flatten}()) \Leftrightarrow \text{pass}()$



$\text{chain\_of}(\text{with\_elements}(\text{flatten}()), \text{flatten}()) \Leftrightarrow \text{chain\_of}(\text{flatten}(), \text{flatten}())$









$\text{chain\_of}(\text{wrap}(), \text{with\_elements}(p)) \Leftrightarrow \text{chain\_of}(p, \text{wrap}())$







`chain_of(wrap(), flatten())`  $\Leftrightarrow$  `pass()`



Example

