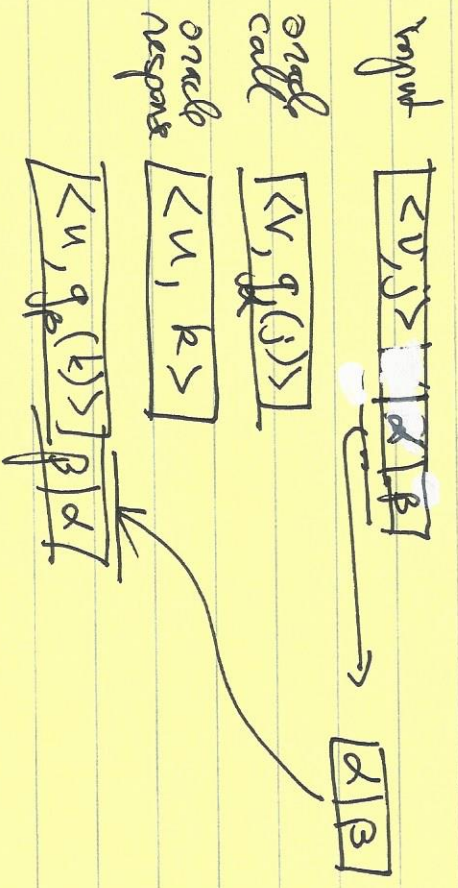


ZigZag in the global type model

$g: V \times [D] \rightarrow V \times [D]$

$\forall k \in [d] \quad g_k: [D] \rightarrow [D] \text{ fixed/const.}$

We compute $(u, g_p(k))$, where $(u, k) \leftarrow g^i(v, g^i(s))$
global type local type



Powering in the global type model

$g: V \times [d] \rightarrow V \times [d]$

S.t. $g(v, j) = (u, k)$ if $\exists v', u' \exists n$ v is j th edge of v' and u is k th edge of u'

We compute $g(g(v, j_1), j_2)$ as follows
global type local type

