

$$\begin{aligned}
& \text{demod} \llbracket id, (), (mod_0 \dots (module\ id\ (req \dots) (code \dots))\ mod_n \dots) \rrbracket &= \text{demod} \llbracket id, (), ((module\ id\ (req \dots) (code \dots))\ mod_0 \dots mod_n \dots) \rrbracket \\
& \text{demod} \llbracket id, (), ((module\ id\ ((require\ id_r\ @\ phase_r)\ req_m \dots) (code_m \dots))\ mod_i \dots (module\ id_r\ (req_r \dots) (code_r \dots))\ mod_n \dots) \rrbracket &= \text{demod} \llbracket id, (), ((module\ id\ ((require\ id_r\ @\ phase_r)\ req_m \dots) (code_m \dots))\ (module\ id_r\ (req_r \dots) (code_r \dots))\ mod_i \dots mod_n \dots) \rrbracket \\
& \text{demod} \llbracket id, ((id_c\ phase_c)\ (id_n\ phase_n) \dots), ((module\ id\ (req_m \dots) (code_m \dots))\ mod_i \dots (module\ id_c\ (req_c \dots) (code_c \dots))\ mod_n \dots) \rrbracket &= \text{demod} \llbracket id, ((id_c\ phase_c)\ (id_n\ phase_n) \dots), ((module\ id\ (req_m \dots) (code_m \dots))\ (module\ id_c\ (req_c \dots) (code_c \dots))\ mod_i \dots mod_n \dots) \rrbracket \\
& \text{demod} \llbracket id, ((id_c\ phase_c)\ (id_n\ phase_n) \dots), ((module\ id\ (req_m \dots) (code_m \dots))\ (module\ id_c\ ((require\ id_r\ @\ phase_r)\ req_c \dots) (code_c \dots))\ mod_i \dots (module\ id_r\ (req_r \dots) (code_r \dots))\ mod_n \dots) \rrbracket &= \text{demod} \llbracket id, ((id_c\ phase_c)\ (id_n\ phase_n) \dots), ((module\ id\ (req_m \dots) (code_m \dots))\ (module\ id_c\ ((require\ id_r\ @\ phase_r)\ req_c \dots) (code_c \dots))\ (module\ id_r\ (req_r \dots) (code_r \dots))\ mod_i \dots mod_n \dots) \rrbracket
\end{aligned}$$