# Neil

Note Title 18/01/2007

$$\Sigma(\mathrm{Id} \times B) \longrightarrow B T_{\Sigma}$$

$$f \in \Sigma \qquad f((a_1,b_1)(a_2,b_2)(a_3,b_3))$$

$$\frac{t \Downarrow v}{\mathrm{wait}(t) \Downarrow v}$$

$R(S, B) \quad \cong \quad S(\mathbb{N} \times B) \to B T_S$

- $R(S, B) \to R(S', B) \to R(S + S', B)$

  $S(\mathbb{N} \times B) \to B T_S$

  $S'(\mathbb{N} \times B) \to B T_{S'}$

- $\delta : \Sigma F \to F \Sigma$

  $R(\Sigma, B)$

  $R(\Sigma, FB)$

  $\Sigma(\mathbb{N} \times FB) \to FB T_\Sigma$

  $\hookrightarrow \Sigma(F(\mathbb{N} \times B)) \to F\Sigma(\mathbb{N} \times B)$

$S' \longrightarrow B\,T_{S+S'}$ $\qquad$ $S' \longrightarrow S\,T_{S+S'}$

$S'(1 \times B)$

$GRec(S', S, B) \cong [S', B\,T_{S+S'}]$

$\downarrow$

$R(S, B)$ $\qquad$ $S' \longrightarrow B\,T_{S+S'}$

$S'(1 \times B)$

$\downarrow$

$S(1 \times B) \longrightarrow B\,T_{S+S'}$

$R(S+S', B)$ $\qquad$ $(S+S')(1 \times B) \longrightarrow B\,T_{S+S'}$