Input : P: a post, $\mathbb{C}$: a set of P's top-level comments.

Output: D: a dialogue.

$D \leftarrow [\,]$;

$T \leftarrow \mathit{segment}(\mathbb{C})$;

while $\exists\, p_i \leftarrow \mathit{first}(P)$ **do**

  $D \leftarrow D \oplus [p_i]$;

  $\hat{t} \leftarrow \mathrm{argmax}_{\forall t \in T}\, \mathit{ranker}(D, t)$;

  $D \leftarrow D \oplus [\hat{t}]$;

  $T \leftarrow \mathit{trim}(T, \hat{t})$;

return D;