task P_k.CHUNKROUTING

    while True **do**

        $[x, \texttt{chunk}] \leftarrow S$ **or** $[x, P_i, \texttt{chunk}] \leftarrow P_m$

        if received $[x, \texttt{chunk}]$ **then**

            for all $P_n \in T^k$ **do**

                $[x, P_k, \texttt{chunk}] \rightarrow P_n$

                $\texttt{debt}[P_n] = \texttt{debt}[P_n] + 1$

        if received $[x, P_i, \texttt{chunk}]$ **then**

            if $P_m \notin T^k$ **then**

                $T^k = T^k \cup P_m$

                $\texttt{debt}[P_m] = 0$

            else

                $\texttt{debt}[P_m] = \texttt{debt}[P_m] - 1$

            for all $P_n \in T^k \setminus P_m$ **do**

                $[x, P_i, \texttt{chunk}] \rightarrow P_n$

                $\texttt{debt}[P_m] = \texttt{debt}[P_m] + 1$

        sort T^k ascending by $\texttt{debt}[]$