task P_k.CHUNKROUTING

    while True **do**
        $[x, \texttt{chunk}] \leftarrow S$ **or** $[x, P_i, \texttt{chunk}] \leftarrow P$
        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** $\texttt{debt}[]$