```
ln[1]:= \Lambda[t_{b_{1}}, b_{1}] := Max[{0, Min[{t-b, d-t}]}]
        \lambda[t_{k}, k_{j}, bd_{i}] := Module[\{l = \{\}, i = 1\},
            For[i=1,\ i\leq Length[bd],\ i++,\ AppendTo[l,\ \Lambda[t,\ bd[[i]][[1]],\ bd[[i]][[2]]]];
           Return[Sort[l, (#1 > #2) \&][[k]]]]
ln[3]:= bd = {{0, 5}, {0, 2}, {1, 4}, {1, 2}, {3, 5}};
ln[4]:= Table[Plot[\lambda[k, i, bd], \{k, 0, 5\}, PlotRange <math>\rightarrow \{\{0, 5\}, \{0, 3\}\}\}, \{i, 1, 5\}]
         3.0
                                                     3.0
         2.5
                                                     2.5
         2.0
                                                     2.0
        ∫1.5
                                                     1.5
Out[4]=
        L<sub>1.0</sub>
                                                     1.0
         0.5
                                                     0.5
         0.0
                                                     0.0
         3.0
                                                     3.0
                                                                                                 3.0
         2.5
                                                     2.5
                                                                                                 2.5
         2.0
                                                     2.0
                                                                                                 2.0
          1.5
                                                     1.5
                                                                                                 1.5
          1.0
                                                     1.0
                                                                                                 1.0
                                                     0.5
         0.5
                                                                                                 0.5
                                                     0.0
          0.0
                                                                                                 0.0 E
\ln[5]:= Plot[{\lambda[k, 1, bd], \lambda[k, 2, bd], \lambda[k, 3, bd], \lambda[k, 4, bd], \lambda[k, 5, bd]},
         \{k, 0, 5\}, PlotLegends \rightarrow \{"\lambda_1", "\lambda_2", "\lambda_3", "\lambda_4", "\lambda_5"\}]
       2.5
        2.0
                                                                                                  - λ<sub>1</sub>
                                                                                                 -\lambda_2
        1.5
Out[5]=
                                                                                                  - λ<sub>3</sub>
        1.0
                                                                                                 -\lambda_4
                                                                                                -\lambda_5
        0.5
```