

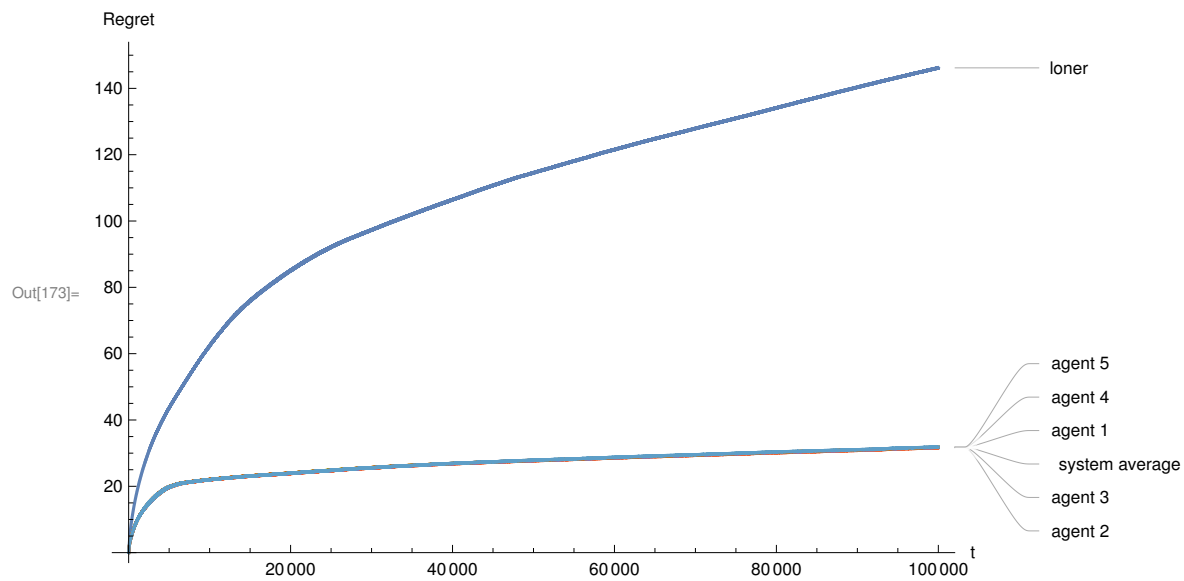
```

In[164]:= (*シミュレーション結果を可視化する*)
AppendTo[$Path,
追加割当て | 検索ディレクトリのデフォルトリスト
"/home/motchy/Dropbox/home/individual/motchy/data/hobby/computer/programming/
languages/Mathematica/lib/"];
Import["motchyMath`"]
インポート
filePath = SystemDialogInput["FileOpen", ".json"]
色選択ダイアログで選ばれた色を返す
json = Import[filePath, "RawJSON"];
インポート
Nagent = json["N"];
数値
T = json["T"];
Print[
出力表示
"environment = ", json["environment name"], "\n",
"prior name = ", json["prior name"], "\n",
"graph name = ", json["graph name"], "\n",
"K : ", json["K"], "\n",
"N : ", Nagent, "\n",
数値
"T : ", json["T"], "\n",
"Tc : ", json["Tc"], "\n",
"rep : ", json["repetition number"]
]
list = {Labeled[json["regret"]["loner"], "loner"],
ラベル付き
Labeled[json["regret"]["system average"], "system average"]};
ラベル付き
For[i = 1, i ≤ Nagent, ++i, AppendTo[list,
繰返し評価 | 追加割当て
Labeled[json["regret"][ToString[i]], "agent " <> ToString[i]]]
ラベル付き | 文字列にする | 文字列にする
ListLinePlot[list, PlotRange → All, AxesLabel → {"t", "Regret"}, ImageSize → Large]
折れ線グラフ(点を繋いで… | プロット範囲 | すべて | 軸のラベル | 画像サイズ | 大きい
Print["R(sysAvg,T) = ", json["regret"]["system average"][[T]],
出力表示
", R(loner,T) = ", json["regret"]["loner"][[T]]]
Print["R(sysAvg,T)/R(loner,T) = ",
出力表示
json["regret"]["system average"][[T]]/json["regret"]["loner"][[T]]]

Out[166]= /home/motchy/Dropbox/home/individual/motchy/data/univ/lab/open/B4/research/
graduation-thesis/github/Workspace/Distributed-Thompson-sampling/simulation/
algorithms/Type2/results/K5_informative-prior_T100k.json

```

```
environment = env1  
prior name = prior2  
graph name = K5  
K : 10  
N : 5  
T : 100 000  
Tc : 1  
rep : 100
```



$R(\text{sysAvg}, T) = 31.771$, $R(\text{loner}, T) = 146.184$

$R(\text{sysAvg}, T) / R(\text{loner}, T) = 0.217335$