

```

print("Classifying...");

importlog = System.getenv("IMPORTLOG");
importmodel = System.getenv("IMPORTMODEL");
exportlog = System.getenv("EXPORTLOG");

//-----
print("<import file=\"" + importlog + "\">");

// Use the name of the plugin (in lowercase) to open a log
print("  <plugininfo>");
org.deckfour.xes.model.XLog log = open_xes_log_file(importlog);
print("  </plugininfo>");

logname = org.deckfour.xes.extension.std.XConceptExtension.instance().extractName(log);
print("  <name>" + logname + "</name>");
print("  <traces>" + log.size() + "</traces>");
events = 0;
for (trace : log) {
    events += trace.size();
}
print("  <events>" + events + "</events>");
print("  <classifiers>" + log.getClassifiers().size() + "</classifiers>");
print("</import>");

print("<import file=\"" + importmodel + "\">");

print("  <plugininfo>");
model = import_log_skeleton(importmodel);
print("  </plugininfo>");

print("  <name>" + model.getLabel() + "</name>");
print("  <activities size=\"" + model.getActivities().size() + "\">");
for (activity : model.getActivities()) {
    print("    <activity>" + activity + "</activity>");
}
print("  </activities>");
print("</import>");

//-----
print("<classify>");

print("  <plugininfo>");
poslog = filter_event_log_on_log_skeleton(model, log);
print("  </plugininfo>");
posids = new HashSet();
pos = 0;
neg = 0;
for (trace : poslog) {
    posids.add(org.deckfour.xes.extension.std.XConceptExtension.instance().extractName(trace));
}
print("  <positives>" + posids + "</positives>");
for (trace : log) {

```

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ispos = posids.contains(org.deckfour.xes.extension.std.XConceptExtension.instance().extractName(trace));
trace.getAttributes().put("pdc:isPos",
org.deckfour.xes.factory.XFactoryRegistry.instance().currentDefault().createAttributeBoolean("pdc:isPos", ispos, null));
if (ispos) {
    pos++;
} else {
    neg++;
}
}

print(" <positive>" + pos + "</positive>");
print(" <negative>" + neg + "</negative>");

print("</classify>");

//-----
print("<export file=\"" + exportlog + "\">");

exportfile = new java.io.File(exportlog);

print(" <pluginfo>");
org.processmining.plugins.log.exporting.ExportLogXes.export(log, exportfile);
print(" </pluginfo>");

print(" <bytes>" + exportfile.length() + "</bytes>");

print("</export>");

exit();
```