

## Clear

```
SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\APAI"];  
DeleteFile /@ {"APAINB.tex"};
```

## Run

```
In[*]:= SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\APAI"];  
$PageWidth = 6.4;  
Make["APAINB.tex", "APAI.nb",  
  Hold[nb2tex["APAI", "APAINB", PDFFolder -> "Snips/APAI", PDFWidth -> $PageWidth]]];  
Make["APAI4QT.pdf", {"APAI4QT.tex", "APAINB.tex"},  
  Hold[Run@  
    "\"C:\\Users\\drorb\\AppData\\Local\\Programs\\MiKTeX\\miktex\\bin\\x64\\pdflatex.exe  
    \" APAI4QT.tex"  
  ]]  
Make["APAI.pdf", {"APAI.tex", "APAINB.tex"},  
  Hold[Run@  
    "\"C:\\Users\\drorb\\AppData\\Local\\Programs\\MiKTeX\\miktex\\bin\\x64\\pdflatex.exe  
    \" APAI.tex"  
  ]]  
Making {APAINB.tex} ...  
Making {APAI4QT.pdf} ...  
Out[*]=  
1  
Making {APAI.pdf} ...  
Out[*]=  
1
```

## Make

```
In[*]:= Make::usage =
  "Make[target, sources, Hold[action]] makes a target, or a list of targets, given
  sources, or a list of sources, in the style of the unix 'make' command.";
Make[target_String, sources_, action_Hold] :=
  Make[Evaluate@{target}, sources, action];
Make[target, source_String, action__Hold] :=
  Make[target, Evaluate@{source}, action];
Make[target_List, sources_List, action_Hold] := Module[{},
  If[
    (And @@ ((FileType[#] != None) & /@ sources)) &&
    Or[
      Or @@ ((FileType[#] === None) & /@ targets),
      Min[AbsoluteTime[FileDate[#]] & /@ targets] <
      Max[AbsoluteTime[FileDate[#]] & /@ sources]
    ],
    Print["Making ", targets, " ..."];
    ReleaseHold[action]
  ]
];
```

## nb2tex

As in <http://drorbn.net/AcademicPensieve/Projects/nb2tex/>.

```
In[*]:= SetOptions[$FrontEndSession, PrintingStyleEnvironment -> "Working"];
nb2tex[nb_String, opts__Rule] := nb2tex[nb, nb, opts];
```

```

In[*]:= nb2tex[nb_String, tex_String, opts___Rule] := Module[
  {notebook, PDFCounter = 0, type,
   tag, pdfname, cells, cell, c, cl, texfiles = {}, TeXOut,
   PDFFolder = PDFFolder /. {opts} /. PDFFolder → nb
  },
  nb2tex$TeXFileName = tex <> ".tex";
  nb2tex$PDFWidth = PDFWidth /. {opts} /. PDFWidth → 6.5;
  TeXOut[s_String] := (texfiles = texfiles ∪ {nb2tex$TeXFileName};
   WriteString[nb2tex$TeXFileName, s]);
  notebook = NotebookGet[NotebookOpen@FileNameJoin[{Directory[], nb <> ".nb"}]];
  If[FileType[PDFFolder] === None, CreateDirectory[PDFFolder]];
  DeleteFile /@ FileNames["*.pdf", PDFFolder];
  cells = Cases[notebook, c_Cell /; Length[c] ≥ 2, ∞];
  Do[
    type = cell[[2]];
    tag = CellTags /. Cases[cell, _Rule] /. CellTags → "";
    Which[
      type == "Text" ^ tag == "tex", TeXOut[
        StringReplace[cell[[1]], {"'" → "'", "\"" → "\""}] <> "\n\n"],
      StringMatchQ[tag, "pdf" ~~ ___], (
        pdfname = PDFFolder <> "/" <> ToString[++PDFCounter] <> ".pdf";
        Export[pdfname, Join[cell, Cell[PageWidth → 80 nb2tex$PDFWidth / 0.75]]];
        cl = "c:\\drorbn\\bin\\cpdf.exe -scale-page \"0.75 0.75\" " <>
          pdfname <> " -o " <> pdfname;
        Close@OpenRead["!" <> cl];
        TeXOut[StringReplace[
          "\\noindent\\nbpdfXXXType{pdfname}\\n\n",
          {"XXX" → StringDrop[tag, 3], "Type" → type, "pdfname" → pdfname}
        ]]
      ),
    type == "Input" ^ tag == "exec", ToExpression[cell[[1]],
    True, Null
  ],
  {cell, cells}
];
Close /@ texfiles;
]

```