

```
SetDirectory["C:\\drorbn\\AcademicPensieve\\Classes\\1617-257-AnalysisII"]
```

```
C:\\drorbn\\AcademicPensieve\\Classes\\1617-257-AnalysisII
```

```
Make::usage =
  "Make[target, sources, 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 ", target, " ..."];
    ReleaseHold[action]
  ]
];
```

? Make

Make[target, sources, action] makes a target, or a list of targets, given sources, or a list of sources, in the style of the unix 'make' command.

```
{target, source} = {"160912/Day1.png", "160912/Day1.pdf"};
Make[target, source, Hold[
  DeleteFile[FileNames["temp-*.png"]];
  Read["!convert -scene 1 -density 300 -background white -alpha remove " <>
    source <> " temp.png"];
  Read["!montage -geometry +0+0 -frame 0 -background white -tile 2x1 temp-*.png " <>
    target];
  DeleteFile[FileNames["temp-*.png"]];
]]
```

```
{target, sources} = {"160914/Day2.png", "160914/AboutCols1-2.png
  160914/AboutCol3.png 160914/AboutCol4.png 160914/AboutCol5.png"};
Make[target, {"160914/Day2.pdf"} ∪ StringSplit@sources, Hold[
  DeleteFile[FileNames["temp*.png"]];
  Read["!convert -scene 1 -density 300
    -background white -alpha remove 160914/Day2.pdf temp.png"];
  Read["!montage -geometry +0+0 -frame 0 -background white
    -tile 2x1 temp-*.png temp1.png"];
  Read["!convert +append " <> sources <> " temp2.png"];
  Read["!convert -append temp1.png temp2.png " <> target];
  DeleteFile[FileNames["temp*.png"]];
]]
```

Making {160914/Day2.png} ...

```
{
  "TitleNotes" -> "This is my personal notebook for my 2016/17 <a
    href=http://drorbn.net/?title=1617-257>MAT 257 Analysis II</a> class (2016
    part). <span style=\"color: red;\">Use at your own risk.</span><p>",
  "CleanTeX" -> True,
  "ImageComments" -> {
    "JellyCube.jpg" -> "A Jelly Cube from <a class=external
      href=\"http://goronic.deviantart.com/art/Jelly-Cube-559481292\">http://
      goronic.deviantart.com/art/Jelly-Cube-559481292</a>."
  }
}
```

```
{"TitleNotes" -> "This is my personal notebook for my 2016/17 <a
  href=http://drorbn.net/?title=1617-257>MAT 257 Analysis II</a> class (2016 part).
  <span style=\"color: red;\">Use at your own risk.</span><p>", "CleanTeX" -> True}
```