

# EXAMPLE FILE FOR M2INTEX

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## 1. INTRODUCTION

some basic examples:

```
R=QQ[x,y]; factor(x^3-y^3)
res coker vars R
00_(Proj(R/(x^3-y^3)))^{1,2}
```

more:

```
318/46
exp 3.73767
```

strings:

```
"hehe"
```

and nets:

```
"haha"||"hoho"
```

printing:

```
for i from 1 to 8 do print(i^i)
```

## 2. HELP

```
help det
```

## 3. PACKAGES

packages that have a `tex` output will work:

```
needsPackage "Posets";
booleanLattice 3
```

## 4. TRICKY EXAMPLES

```
-- some tricky examples
```

A bunch of complicated cases: a multi-line example

```
f = i -> (
-- that's dumb
i+1
)
```

and another weirder one:

```
I=ideal 0; f = i -> (
i+1)
```

finally:

```
a=1;b=2;
c=3;
```

That last one has no output.