

\$SPAD/src/input matops.as

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**Abstract**

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# 1 Input tests

— input —

```
)compile matops.as
)show MatrixOpSym
matrix [[3,4],[5,6]]
symmetricPart %
```

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# 2 License

```
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```

— \* —

```

#include "axiom.as"
#pile

MatrixOpSym(R:Field) : MOD == Definition where
  Mat ==> Matrix R

MOD ==> with

  symmetricPart : Mat -> Mat
    ++ \spad{symmetricPart(m)} returns the symmetric part of m

Definition ==> add

  symmetricPart(m:Mat) : Mat ==
    m1:=transpose m
    import from Integer
    import from R
    inv(2::R) *(m+m1)

```

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## References

- [1] nothing