

# Tigers OX Server

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# 1 TIGERS

, tigers ox server ox\_sm1\_tigers .

## 1.0.1 tigers.tigers

tigers.tigers(a|proc=a)  
 :: p tigers a .

$p$

$a$

- $p$  tigers  $a$  .
- Tigers reduced . , state polytope . ,  
 B.Sturmfels, Grobner bases and Convex Polytopes  
 . Tigers Birk Hubert .  
 B.Huber and R.Thomas, Computing Grobner Fans of Toric Ideals

```
[395] A=[[1,1,1,1],[0,1,2,3]]$
[306] S=tigers.tigers(A)$
[307] length(S);
8
[308] S[0];
[[[1,0,1,0],[0,2,0,0]],[[1,0,0,1],[0,1,1,0]],[[0,1,0,1],[0,0,2,0]]]
[309] S[1];
[[[1,0,0,1],[0,1,1,0]],[[0,2,0,0],[1,0,1,0]],[[0,1,0,1],[0,0,2,0]]]
```

,  $A = S$  . , 8 .  $[[i-1, i-2, \dots], [j-1, j-2, \dots]]$  exponent , 2 . ,  $S[0]$   
 $x_1 x_3 - x_2^2$ ,  $x_1 x_4 - x_2 x_3$ ,  $x_2 x_4 - x_3^2$   
 ,  $\langle x_1 x_3, x_1 x_4, x_2 x_4 \rangle$  initial ideal .

# Index

(Index is nonexistent)

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