Tigers OX Server ャ≪

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OpenXM.org

1 TIGERS 醇

c , tigers ox server `ox_sm1_tigers` ゃ潟帥 c 若劫醇違茯 .

1.0.1 `tigers.tigers`

`tigers.tigers(a|proc=a)`

:: 醇違 ュ p tigers 泣若 茵 a 若 ゃ≪ 鴻 違 阪 荐膊 .

祉 鴻

p

a 鴻

- 醇違 ュ p tigers 泣若 茵 a 若 ゃ≪ 鴻 違 阪 荐膊 .
- Tigers ≪c 潟若 ゃ≪ reduced 違 阪 鴻 違 違 c . 違 , ≪c 潟若 ゃ≪ state polytope 戎. 茫 違 潟 ゃ , B.Sturmfels, Grobner bases and Convex Polytopes 荀. Tigers Birk Hubert 筴c . 違 ≪ 眼 冴 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]]]
```

c , A ≪c 潟若 ゃ≪ 鴻 違 阪 S 主. c , 8 違 阪. [[i_1, i_2, ...],[j_1, j_2, ...]] ゃ ≪≪ exponent 鴻 c , 2 綣. , S[0] 綣
x1 x3 - x2^2, x1 x4 - x2 x3, x2 x4 - x3^2
c , <x1 x3, x1 x4, x2 x4> initial ideal c .

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